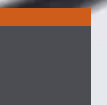




COMPLETE CATALOGUE ASSEMBLY AND LOGISTICS

THE PERFECT SOLUTION FOR EVERY REQUIREMENT



elumatec

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1 | A COMPANY WITH A TRADITION DATING BACK TO 1928

elumatec was established at the main location in Mühlacker near Stuttgart in 1928. In the beginning, elumatec produced light-metal sand-cast parts. Today, we are the leading premium supplier in the segment of profile machining for a vast array of different requirements and materials. With 720 employees as well as our subsidiaries, branches and dealers in over 50 countries, we are always just around the corner from you. The results of our many years of work are characterised by impressive references, numerous patents and inventions, over 28,000 customers and more than 5,000 profile machining centres manufactured.

Only quality produces quality – Machines made by elumatec

As the leading premium supplier, our focus is not simply on sales figures, but on the even more important aspect of maintaining a leading position in terms of quality. Our machines are only rated “market ready” once they meet our high standards in terms of reliability, efficiency, and accuracy. Our guaranteed supply of spare parts for ten or more years ensures a high level of production reliability.

Our quality concept is based on our proximity to you as well as on the know-how and dependability present at all levels of our company – from development and design to manufacturing and on to sales and after-sales service. With commitment and passion we develop the best-possible solution for you, seeing ourselves both as a service provider and a dependable partner.

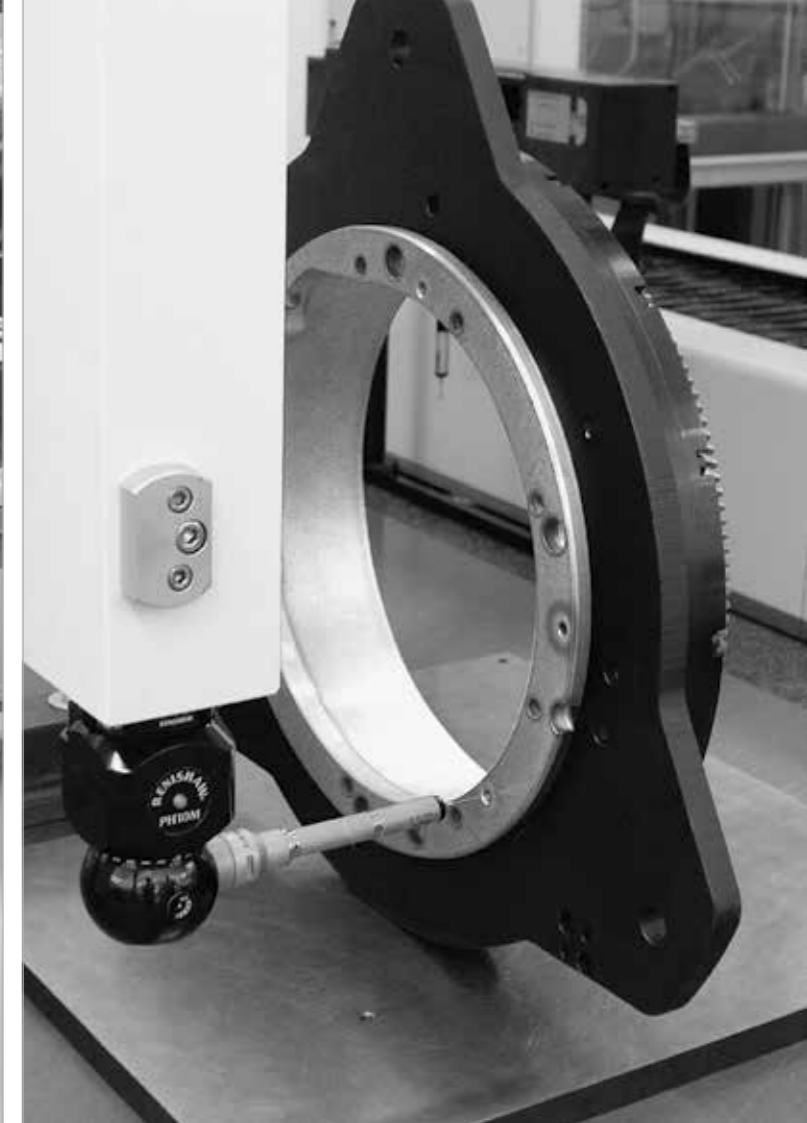
Our know-how is your advantage

We operate in an environment characterised by very dynamic customers – in the most diverse industry sectors with completely different requirements – and must react to changing requirements and needs in an instant. And we do, all the time, with our short response times, close proximity the world over and the highest level of commitment. Consequently, we assess our capabilities continuously and know that this requires ongoing learning and unceasing development of our competencies. This enables us to initiate and shape change processes.



Lean & Green

The broad spectrum of machines and solutions that we offer has made us rely on flexible and lean production processes. The key concept of “Lean & Green” is applied consistently in our production process: We pay careful attention to the conservation of material and energy resources in all of our processes – from vendors on to the finished product.



2 | AVAILABLE LOCALLY ALL AROUND THE WORLD – OUR CONTRIBUTION TO YOUR SUCCESS

We are there for you on site – worldwide

With our subsidiaries, branches and dealers in over 50 countries and cooperation partners in many more, we are available locally around the world. We are represented worldwide, locally and you can always reach us. From implementation to maintenance and repairs, you can quickly and easily benefit from our service.

We even go one step further: We will gladly help you set up your machines, provide your employees with valuable, practical knowledge and perform important servicing and maintenance work. Together, we can work out customised service agreements that are tailored to precisely suit your needs.



- | | | |
|---|--|--|
| <ul style="list-style-type: none"> elumatec AG: HQ Germany elumatec Australia elumatec Austria elumatec Bosnia-Herzegovina elumatec Bulgaria elumatec Canada elumatec China, Shanghai elumatec Croatia elumatec Czech Republic elumatec France elumatec Hungary elumatec India, Mumbai elumatec Italy elumatec Kosovo elumatec Malaysia elumatec Middle East elumatec Netherlands elumatec Norway | <ul style="list-style-type: none"> elumatec Poland elumatec Romania elumatec Russian Federation elumatec Serbia elumatec Singapore elumatec Slovak republic elumatec Spain / Portugal elumatec South Africa, Johannesburg elumatec South Africa, Capetown elumatec South Korea elumatec Sweden elumatec Switzerland elumatec Turkey elumatec United Kingdom elumatec U.S.A. | <ul style="list-style-type: none"> Sales & Service Partner Argentina Sales & Service Partner Brasil Sales & Service Partner Chile Sales & Service Partner Denmark Sales & Service Partner Estonia Sales & Service Partner Finland Sales & Service Partner Greece Sales & Service Partner Indonesia Sales & Service Partner Ireland Sales & Service Partner Israel Sales & Service Partner Japan Sales & Service Partner Kazakhstan Sales & Service Partner Lithuania and Latvia Sales & Service Partner Mexico Sales & Service Partner Taiwan Sales & Service Partner Thailand Sales & Service Partner Ukraine Sales & Service Partner Vietnam |
|---|--|--|

You can find our contact persons in your area at <https://www.elumatec.com/en/elumatec-worldwide>

3 | THE PERFECT SOLUTION FOR EVERY REQUIREMENT

We think things through. With our extensive portfolio of processes, methods and products, we can find the exact solution you need for your special requirements. We cover the whole spectrum from craftsman's enterprises to industrial profile machining operations. Our range includes basic, manual-operation machines as well as complex, state-of-the-art profile machining centres with CNC control. Moreover, we offer all of the other components you need for setting up efficient, safe and ergonomic production lines, including assembly equipment, roller conveyors, transport trolleys, glazing units and tools. Our machines and operating equipment have a modular design and all components are compatible with each other. This gives you the flexibility you need to adapt your production equipment at any time to suit the growing demands of your enterprise – all from a single source. We also offer assistance in the planning of your production. We draw on our experience which goes back generations, and always keep the practical issues in mind. All of our products are “made by elumatec”, which stands for our promise of quality with exceptional precision, durability and stability.

Assembly tables

We offer a very comprehensive range of assembly tables in many different versions for a multitude of applications and different space requirements. Whether rotating, lifting or tipping – we have the perfect product for every need.

Assembly centres

Sash assembly centres are an important part of an efficient production process. The numerous options for our sash assembly centres mean they can be customised to meet the requirements of many different production lines and can be expanded as needed. This gives you maximum flexibility and allows you to expand your production equipment step by step.

Roller conveyors

Transport and buffer systems ensure optimal material flow during production. Our vertical roller conveyor systems save space, are flexible and make a significant contribution to increasing your productivity.

Transport trolleys

Perfect interaction between material supply, transportation and commissioning is one of the important prerequisites for a trouble-free and economical logistics and production process. With our universal transport trolleys, you can deal with this challenge beautifully and ensure that you always have all of the materials, such as profiles, reinforcement, gaskets, glass and glazing beads, at the right place at the right time.

Tools

Special-purpose tools and tool trolleys are required in every production system. And, of course, you can also find the right solution for these needs in our product range.

Inspection and glazing units

Quality inspection is an important part of every production process – not only in the production of PVC windows. Our inspection and glazing units have proven to be the perfect tool for quality inspections in terms of flexibility, robust construction and precision.



4 | ASSEMBLY TABLES

We offer a very comprehensive range of assembly tables in many different versions for a multitude of applications and different space requirements. Whether rotating, lifting or tipping – the perfect product for every need.



Product overview	Product	Page
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4.1 | HORIZONTAL ASSEMBLY TABLES

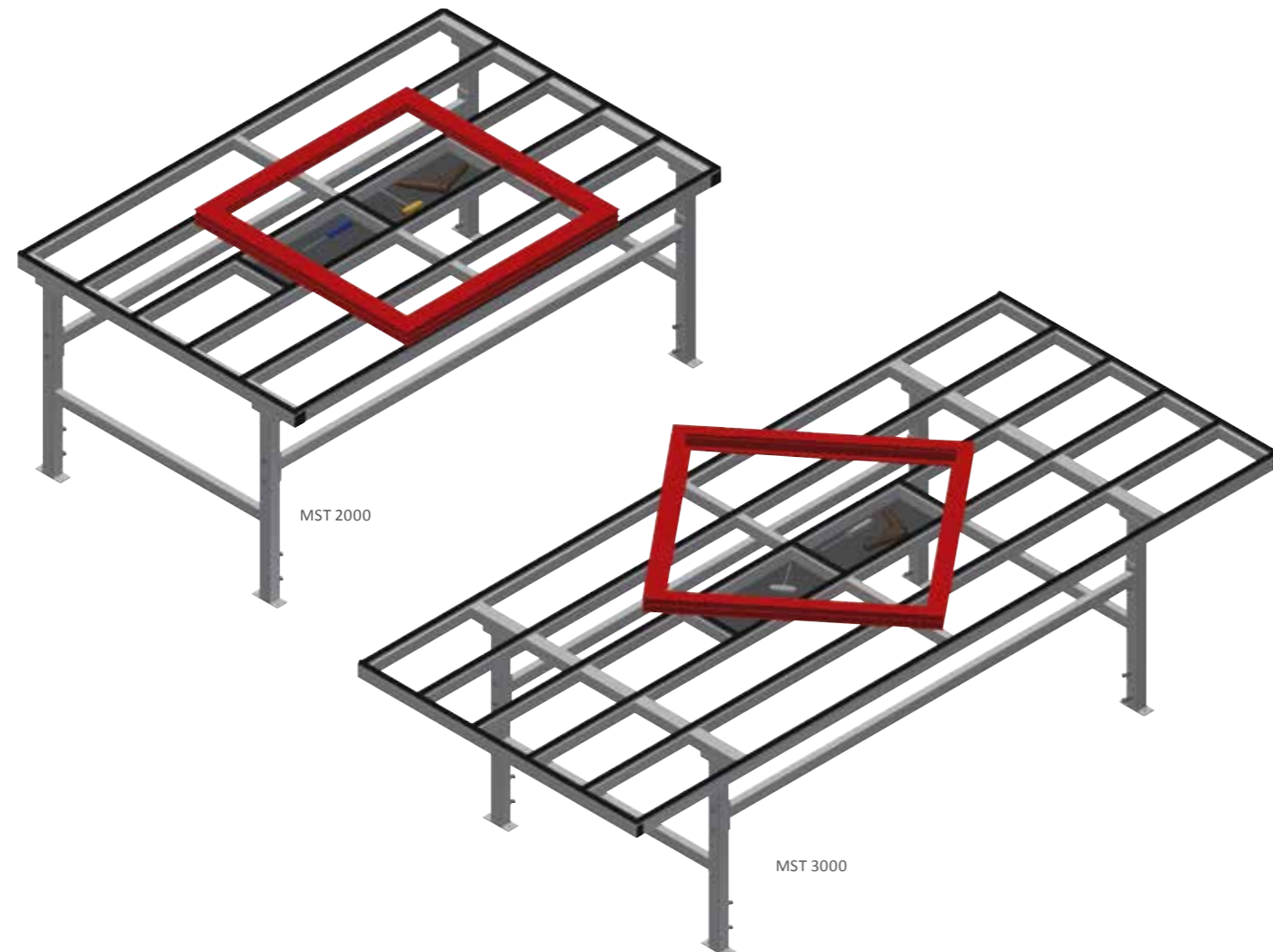
Sliding table **MST 2000** Art. no. 250 00 50 00

Assembly table for all work tasks on frames and sashes

- Stable steel construction
- Assembly table for all work tasks on frames and sashes
- Horizontal frame transportation
- Storage tray for setting down tools and accessories
- Adjustable height
- Table supporting surface with plastic slide bars
- Simple installation with a modular system design

Technical specifications

- Length 2,000 mm
- Width 1,300 mm
- Height 850 – 1,000 mm
- Weight 90 kg



Options

- Also available with brush strips on request
- Also available with felt strips on request (for wooden profiles)
- Also available with rubber strips on request (for aluminium profiles)
- 4-fold compressed air supply

Sliding table **MST 3000** Art. no. 250 00 50 01

See **MST 2000**, however:

- Length 3,000 mm
- Weight 110 kg



Supporting surface

Table supporting surface with plastic slide bars



Storage tray

Storage tray for setting down tools and accessories



Height adjustment

Adjustable height; working height can be set to 850–1,000 mm by means of adjustable feet



Brush strip

Table supporting surface with brush strip for
MT/HT 2000 Art. no. 250 20 05 07
MT/HT 3000 Art. no. 250 20 05 10



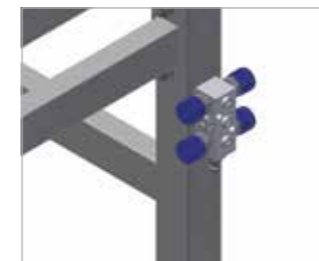
Felt strip

Table supporting surfaces with felt strip for
MT/HT 2000 Art. no. 250 20 05 08
MT/HT 3000 Art. no. 250 20 05 11



Rubber strips

Table supporting surfaces with rubber-knob profile for
MT/HT 2000 Art. no. 250 20 05 09
MT/HT 3000 Art. no. 250 20 05 12



4-fold compressed air supply

4-fold compressed air supply for connecting compressed-air tools
Art. no. 250 20 63 02

4.1 | HORIZONTAL ASSEMBLY TABLES

Assembly table **MT 2000** Art. no. 250 00 50 10

Assembly table for all work tasks on frames and sashes

- Stable steel construction
- Assembly table for all work tasks on frames and sashes
- Table supporting surface with plastic slide bars
- Storage tray for setting down tools and accessories
- Adjustable height
- Practical storage area under the table surface
- Four plastic trays for small accessories, hardware and screws
- 4-fold compressed air supply
- Simple installation with a modular system design

Technical specifications

- Length 2,000 mm
- Width 1,300 mm
- Height 850 – 1,000 mm
- Weight 100 kg

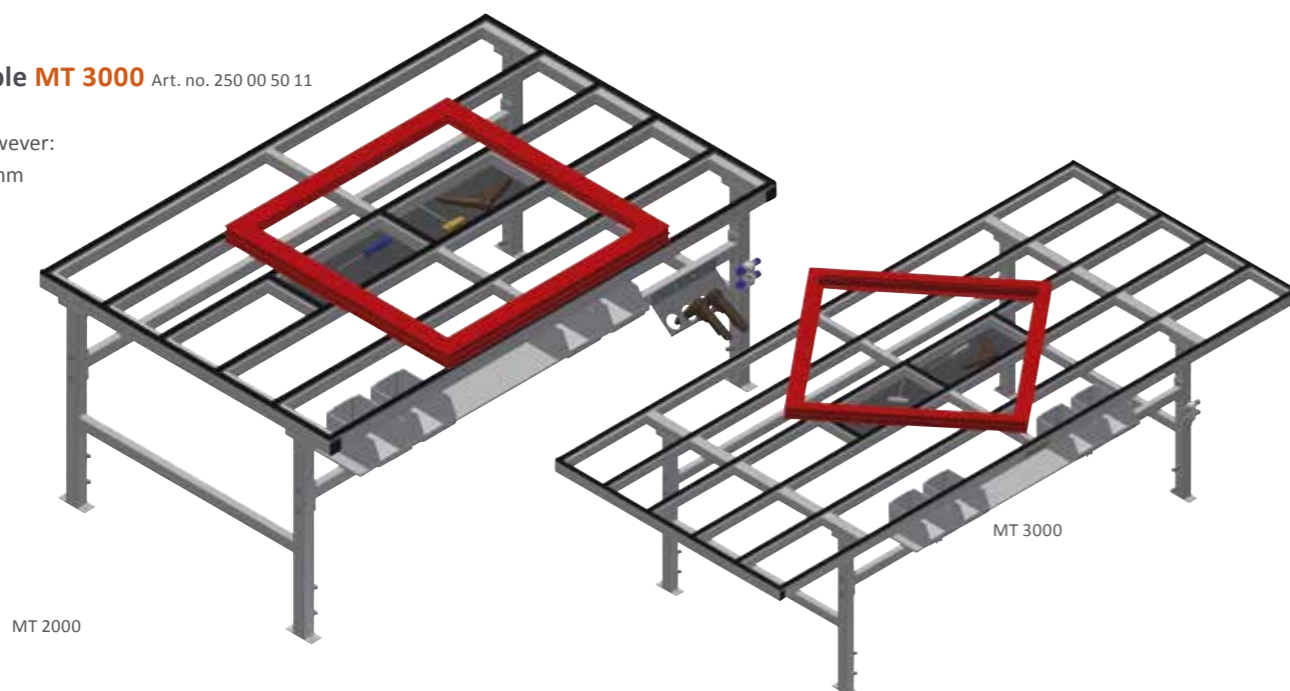
Options

- Also available with brush strips on request
- Also available with felt strips on request (for wooden profiles)
- Also available with rubber strips on request (for aluminium profiles)
- Double two-pin grounded socket
- Tool rack
- Maintenance unit
- Castors, compl.
- Spiral hose

Assembly table **MT 3000** Art. no. 250 00 50 11

See **MT 2000**, however:

- Length 3,000 mm
- Weight 120 kg



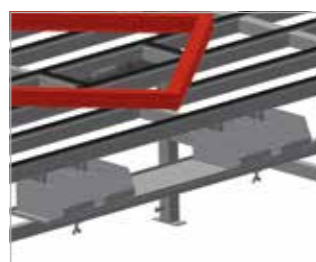
Supporting surface

Table supporting surface with plastic slide bars



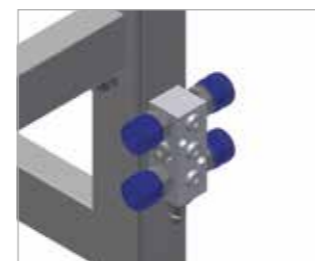
Storage tray

Storage tray for setting down tools and accessories



Storage area

Storage area with four plastic trays for small accessories, hardware and screws



4-fold compressed air supply

4-fold compressed air supply for connecting compressed-air tools



Brush strip

Table supporting surface with brush strip for
MT/HT 2000 Art. no. 250 20 05 07
MT/HT 3000 Art. no. 250 20 05 10



Rubber strips

Table supporting surfaces with rubber-knob profile for
MT/HT 2000 Art. no. 250 20 05 09
MT/HT 3000 Art. no. 250 20 05 12



Maintenance unit

Maintenance unit for compressed-air tools
MT 2000 Art. no. 250 21 63 01
MT 3000 Art. no. 250 21 63 01



Double two-pin grounded socket

Double two-pin grounded socket
MT/HT 2000 Art. no. 250 20 46 00
MT/HT 3000 Art. no. 250 20 46 00



Height adjustment

Adjustable height; working height can be set to 850–1,000 mm by means of adjustable feet



Felt strip

Table supporting surfaces with felt strip for
MT/HT 2000 Art. no. 250 20 05 08
MT/HT 3000 Art. no. 250 20 05 11



Tool rack

Tool rack for pneumatic or electric tools
MT 2000 Art. no. 250 20 27 05
MT 3000 Art. no. 250 20 27 05



Castors, compl.

Two castors with brake and two fixed rollers provide mobility in all directions
MT 2000 Art. no. 250 20 97 00
MT 3000 Art. no. 250 20 97 00



Spiral hose

Spiral hose L=2.5 m with kink protection, coupling and connection for compressed-air tools
MT/HT 2000 Art. no. 256 20 02 23 44
MT/HT 3000 Art. no. 256 20 02 23 44

4.1 | HORIZONTAL ASSEMBLY TABLES

Assembly table **MTA 3000** Art. no. 250 00 50 14

Assembly table expandable for all work tasks on frames and sashes

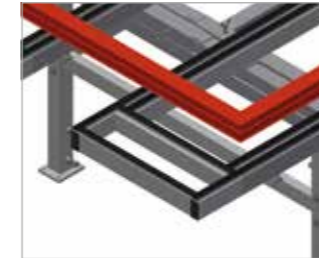
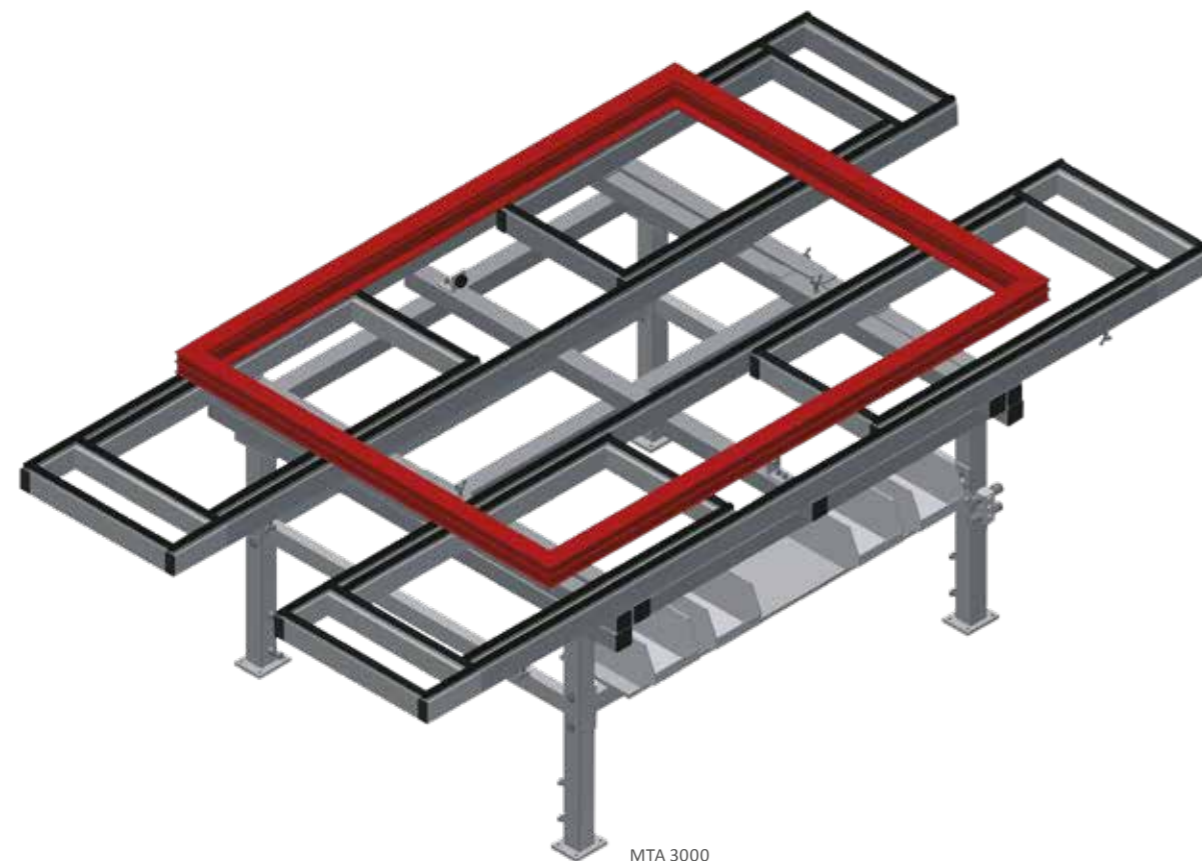
- Stable steel construction
- Universal assembly table
- Pull-outs on four sides
- Ideal for large elements
- Adjustable height
- Table supporting surface with plastic slide bars
- Practical storage area under the table surface
- Four plastic trays for small accessories, hardware and screws
- 4-fold compressed air supply
- Simple installation with a modular system design

Technical specifications

- Length 2,400 – 4,000 mm
- Width 1,300 – 1,900 mm
- Height 850 – 1,000 mm
- Weight 160 kg

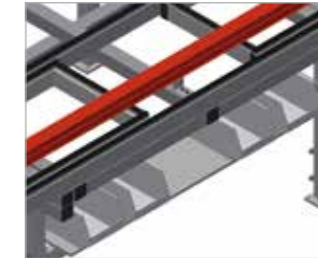
Options

- Also available with brush strips on request
- Also available with felt strips on request (for wooden profiles)
- Also available with rubber strips on request (for aluminium profiles)
- Castors, cmpl.



Supporting surface

Table supporting surface with plastic slide bars



Storage area

Practical storage area under the table surface with four plastic trays for small accessories, hardware and screws



4-fold compressed air supply

4-fold compressed air supply for connecting compressed-air tools



Height adjustment

Adjustable height; working height can be set to 850–1,000 mm by means of adjustable feet



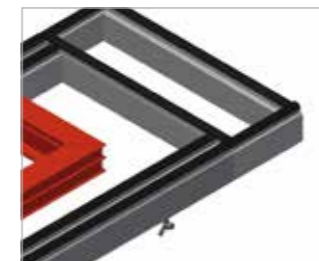
Brush strip

Table supporting surface with brush strip for
MT/HT 3000 Art. no. 250 20 05 10



Felt strip

Table supporting surfaces with felt strip for
MT/HT 3000 Art. no. 250 20 05 11



Rubber strips

Table supporting surfaces with rubber-knob profile for
MT/HT 3000 Art. no. 250 20 05 12



Castors, cmpl.

Two castors with brake and two fixed rollers provide mobility in all directions
Art. no. 250 20 97 00

4.1 | HORIZONTAL ASSEMBLY TABLES

Horizontal table – Individual table HT 1000 Art. no. 250 00 50 22

Horizontal table for all work tasks on frames and sashes

- Stable steel construction
- Table supporting surface with plastic slide bars
- Storage tray for setting down tools and accessories
- Adjustable height
- Simple installation with a modular system design

Options

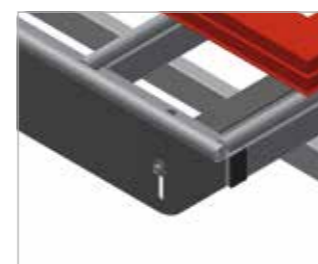
- Also available with brush strips on request
- Also available with felt strips on request (for wooden elements)
- Also available with rubber strips on request (for aluminium elements)
- Roller support
- Tool rack
- 4-fold compressed air supply

Technical specifications

- Length 1,000 mm
- Width 1,300 mm
- Height 850 – 1,000 mm
- Weight 70 kg



HT 1000



Supporting surface

Table supporting surface with plastic slide bars



Storage tray

Storage tray for setting down tools and accessories



Height adjustment

Adjustable height, Working height can be set to 850–1,000 mm by means of adjustable feet



Brush strip

Table supporting surface with brush strip for HT 1000 Art. no. 250 20 05 04



Felt strip

Table supporting surfaces with felt profile strip for HT 1000 Art. no. 250 20 05 05



Rubber strips

Table supporting surface with rubber-knob profile for aluminium elements HT 1000 Art. no. 250 20 05 06



Tool rack

Tool rack for pneumatic or electric tools HT 1000 Art. no. 250 20 27 02



4-fold compressed air supply

4-fold compressed air supply for connecting compressed-air tools HT 1000 Art. no. 250 20 63 01



Pneumatic lifting unit

Lifting unit L=1,000 for HT 1000 Art. no. 250 20 63 06



Roller support, compl., for HT 1000/PVC

Hard plastic rollers with polyamide coating, on plain bearings, Load per roller: 60 kg, convenient for transport and handling of PVC elements HT 1000 Art. no. 250 20 05 31



Rubber roller support, compl., for HT 1000/Alum.

Plastic rollers with polyurethane coating, on ball bearings Load per roller: 40 kg, convenient for transport and handling of aluminium elements HT 1000 Art. no. 250 20 05 34

4.1 | HORIZONTAL ASSEMBLY TABLES

Horizontal table – Individual table HT 2000 Art. no. 250 00 50 19

Horizontal table for all work tasks on frames and sashes

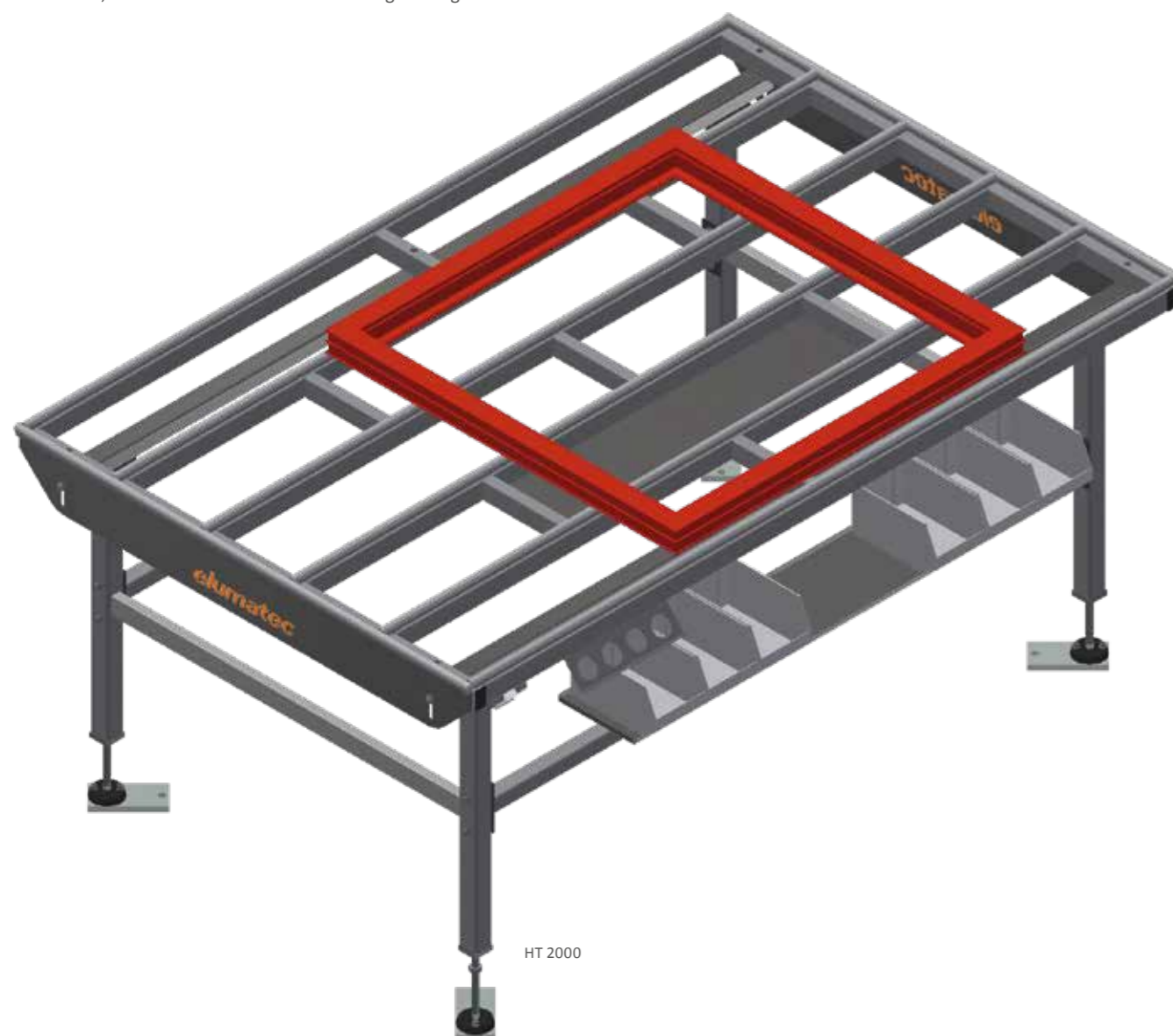
- Stable steel construction
- Table supporting surface with plastic slide bars
- Storage tray for setting down tools and accessories
- Adjustable height
- Simple installation with a modular system design

Technical specifications

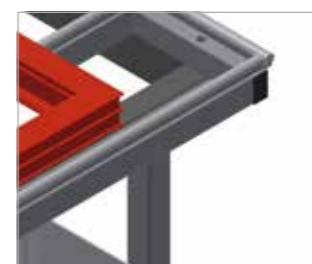
- Length 2,000 mm
- Width 1,300 mm
- Height 850 – 1,000 mm
- Weight 90 kg

Options

- Also available with brush strips on request
- Also available with felt strips on request (for wooden elements)
- Also available with rubber strips on request (for aluminium elements)
- Roller support
- Tool rack
- 4-fold compressed air supply
- Storage area with six plastic trays



HT 2000



Supporting surface

Table supporting surface with plastic slide bars



Storage tray

Storage tray for setting down tools and accessories



Height adjustment

Adjustable height; working height can be set to 850–1,000 mm by means of adjustable feet



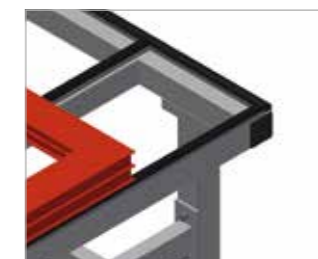
Brush strip

Table supporting surface with brush strip for MT/HT 2000 Art. no. 250 20 05 07



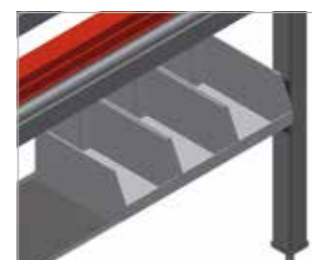
Felt strip

Table supporting surfaces with felt strip for MT/HT 2000 Art. no. 250 20 05 08



Rubber strips

Table supporting surface with rubber-knob profile for aluminium elements MT/HT 2000 Art. no. 250 20 05 09



Storage area

Storage area with six plastic trays for small accessories, hardware and screws HT 2000 Art. no. 250 20 91 00



Tool rack

Tool rack for pneumatic or electric tools HT 2000 Art. no. 250 20 27 02



4-fold compressed air supply

4-fold compressed air supply for connecting compressed-air tools HT 2000 Art. no. 250 20 63 01



Pneumatic lifting unit

Lifting unit L=2,000 for HT 2000 Art. no. 250 20 63 05



Roller support, compl., for HT 2000/PVC

Hard plastic rollers with polyamide coating, on plain bearings, Load per roller: 60 kg, convenient for transport and handling of PVC elements HT 2000 Art. no. 250 20 05 32



Roller support, compl., for HT 2000/Alum.

Plastic rollers with polyurethane coating, on ball bearings Load per roller: 40 kg, convenient for transport and handling of aluminium elements HT 2000 Art. no. 250 20 05 35

4.1 | HORIZONTAL ASSEMBLY TABLES

Horizontal table – Individual table HT 3000 Art. no. 250 00 50 18

Horizontal table for all work tasks on frames and sashes

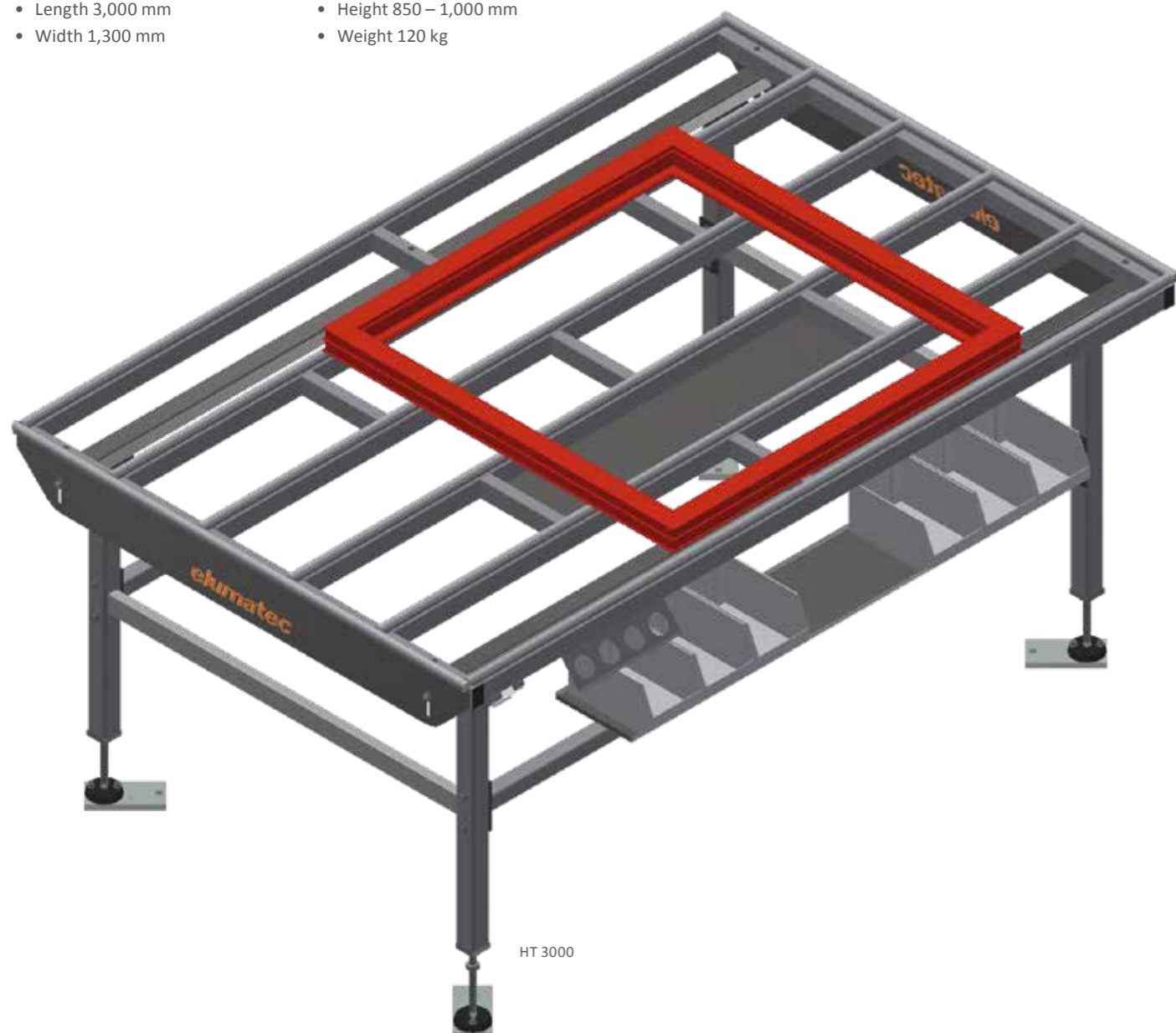
- Stable steel construction
- Table supporting surface with plastic slide bars
- Storage tray for setting down tools and accessories
- Adjustable height
- Simple installation with a modular system design

Options

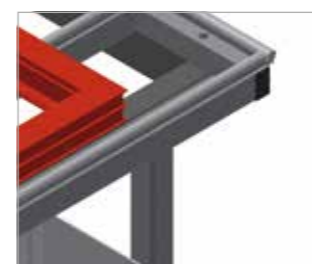
- Also available with brush strips on request
- Also available with felt strips on request (for wooden elements)
- Also available with rubber strips on request (for aluminium elements)
- Roller support
- Tool rack
- 4-fold compressed air supply
- Storage area with six plastic trays

Technical specifications

- Length 3,000 mm
- Width 1,300 mm
- Height 850 – 1,000 mm
- Weight 120 kg



HT 3000



Supporting surface

Table supporting surface with plastic slide bars



Storage tray

Storage tray for setting down tools and accessories



Height adjustment

Adjustable height; working height can be set to 850–1,000 mm by means of adjustable feet



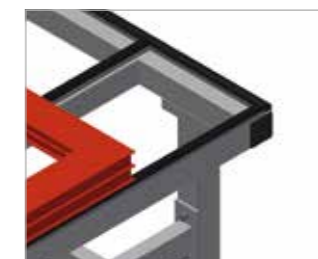
Brush strip

Table supporting surface with brush strip for MT/HT 3000 Art. no. 250 20 05 10



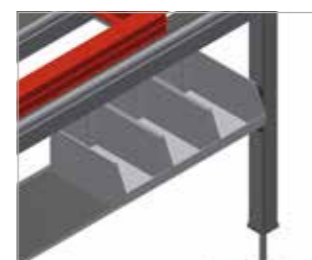
Felt strip

Table supporting surfaces with felt strip for MT/HT 3000 Art. no. 250 20 05 11



Rubber strips

Table supporting surface with rubber-knob profile for aluminium elements MT/HT 3000 Art. no. 250 20 05 12



Storage area

Storage area with six plastic trays for small accessories, hardware and screws HT 3000 Art. no. 250 20 91 00



Tool rack

Tool rack for pneumatic or electric tools HT 3000 Art. no. 250 20 27 02



4-fold compressed air supply

4-fold compressed air supply for connecting compressed-air tools HT 3000 Art. no. 250 20 63 01



Roller support, compl. for HT 3000/PVC

Hard plastic rollers with polyamide coating, on plain bearings, Load per roller: 60 kg, convenient for transport and handling of PVC elements HT 3000 Art. no. 250 20 05 33



Roller support, compl. for HT 3000/Alum.

Plastic rollers with polyurethane coating, on ball bearings Load per roller: 40 kg, convenient for transport and handling of aluminium elements HT 3000 Art. no. 250 20 05 36



Pneumatic lifting unit

Lifting unit, L = 3,000 for HT 3000 HT 3000 Art. no. 250 20 63 04

4.1 | HORIZONTAL ASSEMBLY TABLES

Horizontal table – Expansion HT 1000 E Art. no. 250 00 50 57

Modular work table for a production line (basic module)

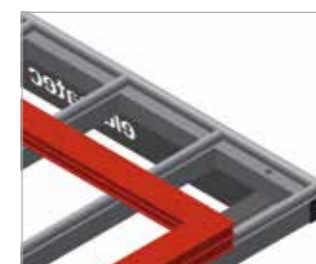
- Stable steel construction
- Universal system of work tables for lines with a continuous production flow
- Modular system – basic module + additional module
- Add-on elements for individualised expansion
- Additional modules are easy to install
- Versatile work table for all applications: for example, as an individual table in the production flow, as an in-line workstation for assembly work, as a work table for gasket insertion, for the post-processing of special-order production items or as a buffer zone
- Table supporting surface with plastic slide bars
- Adjustable height
- Simple installation with a modular system design

Technical specifications

- Length 1,000 mm
- Width 1,300 mm
- Height 850 – 1,000 mm
- Weight 60 kg



HT 1000 E



Supporting surface

Table supporting surface with plastic slide bars



Storage tray

Storage tray for setting down tools and accessories



Height adjustment

Adjustable height; working height can be set to 850–1,000 mm by means of adjustable feet



Brush strip

Table supporting surface with brush strip
HT 1000 Art. no. 250 20 05 04



Felt strip

Table supporting surfaces with felt profile strip for HT 1000 Art. no. 250 20 05 05



Rubber strips

Table supporting surface with rubber-knob profile for aluminium elements
HT 1000 Art. no. 250 20 05 06



Tool rack

Tool rack for pneumatic or electric tools
HT 1000 Art. no. 250 20 27 02



4-fold compressed air supply

4-fold compressed air supply for connecting compressed-air tools
HT 1000
Art. no. 250 20 63 01



End rack for HT

HT 1000 Art. no. 250 20 85 03



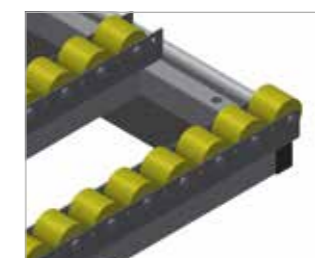
End strip with knob profile

HT 1000 Art. no. 250 20 05 00



Roller support, compl., for HT 1000/PVC

Hard plastic rollers with polyamide coating, on plain bearings, Load per roller: 60 kg, convenient for transport and handling of PVC elements
HT 1000 Art. no. 250 20 05 31



Roller support, compl. for HT 1000/Alum.

Plastic rollers with polyurethane coating, on ball bearings, Load per roller: 40 kg, convenient for transport and handling of aluminium elements
HT 1000 Art. no. 250 20 05 34

4.1 | HORIZONTAL ASSEMBLY TABLES

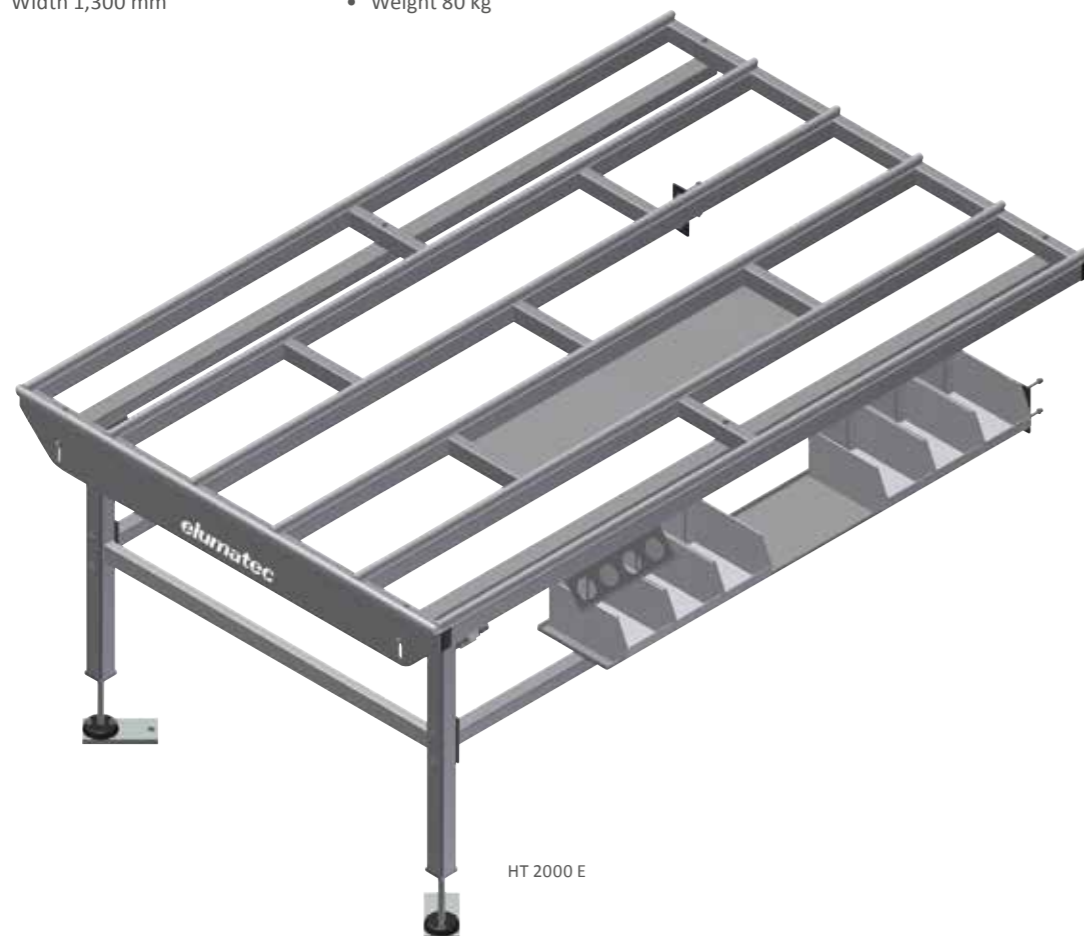
Horizontal table – Expansion HT 2000 E Art. no. 250 00 50 58

Modular work table for a production line (basic module)

- Stable steel construction
- Universal system of work tables for lines with a continuous production flow
- Modular system – basic module + additional module
- Add-on elements for individualised expansion
- Additional modules are easy to install
- Versatile work table for all applications: for example, as an individual table in the production flow, as an in-line workstation for assembly work, as a work table for gasket insertion, for the post-processing of special-order production items or as a buffer zone
- Table supporting surface with plastic slide bars
- Adjustable height
- Simple installation with a modular system design

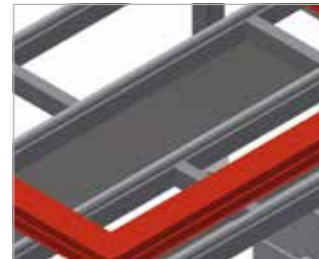
Technical specifications

- Length 2,000 mm
- Width 1,300 mm
- Height 850 – 1,000 mm
- Weight 80 kg



Supporting surface

Table supporting surface with plastic slide bars



Storage tray

Storage tray for setting down tools and accessories



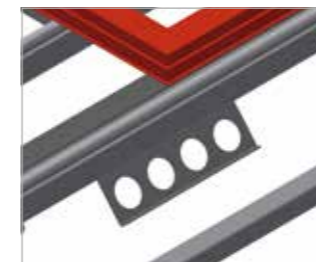
Height adjustment

Adjustable height; working height can be set to 850–1,000 mm by means of adjustable feet



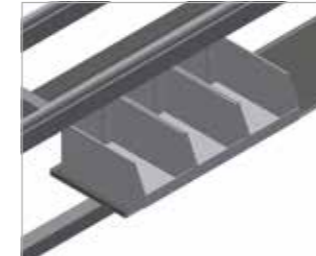
Felt strip

Table supporting surfaces with felt strip for MT/HT 2000 Art. no. 250 20 05 08



Tool rack

Tool rack for pneumatic or electric tools HT 2000 Art. no. 250 20 27 02



Storage area

Storage area with six plastic trays for small accessories, hardware and screws HT 2000 Art. no. 250 20 91 00



End strip with knob profile

HT 2000 Art. no. 250 20 05 00



Roller support, cmpl., for HT 2000/PVC

Hard plastic rollers with polyamide coating, on plain bearings, load per roller: 60 kg, convenient for transport and handling of PVC elements HT 2000 Art. no. 250 20 05 32



Brush strip

Table supporting surface with brush strip MT/HT 2000 Art. no. 250 20 05 07



Rubber strips

Table supporting surface with rubber-knob profile for aluminium elements MT/HT 2000 Art. no. 250 20 05 09



4-fold compressed air supply

4-fold compressed air supply for connecting compressed-air tools HT 2000 Art. no. 250 20 63 01



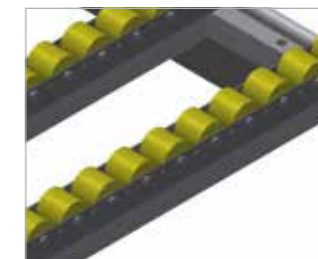
End rack for HT

HT 2000 Art. no. 250 20 85 03



Fold-up pass-through section for HT

Art. no. 250 20 08 00
Options:
Roller support, cmpl., for fold-up pass-through section/PVC or rubber roller support cmpl. for fold-up pass-through section/Alum. Art. no. 250 20 05 44



Roller support, cmpl., for HT 2000/Alum.

Plastic rollers with polyurethane coating, on ball bearings, load per roller: 40 kg, convenient for transport and handling of aluminium elements HT 2000 Art. no. 250 20 05 35

4.1 | HORIZONTAL ASSEMBLY TABLES

Horizontal table – Expansion HT 3000 E Art. no. 250 00 50 59

Modular work table for a production line (basic module)

- Stable steel construction
- Universal system of work tables for lines with a continuous production flow
- Modular system – basic module + additional module
- Add-on elements for individualised expansion
- Additional modules are easy to install
- Versatile work table for all applications: for example, as an individual table in the production flow, as an in-line workstation for assembly work, as a work table for gasket insertion, for the post-processing of special-order production items or as a buffer zone
- Table supporting surface with plastic slide bars
- Adjustable height
- Simple installation with a modular system design

Technical specifications

- Length 3,000 mm
- Width 1,300 mm
- Height 850 – 1,000 mm
- Weight 100 kg



Supporting surface
Table supporting surface with plastic slide bars



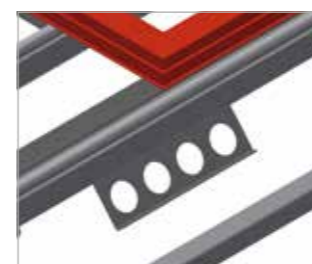
Storage tray
Storage tray for setting down tools and accessories



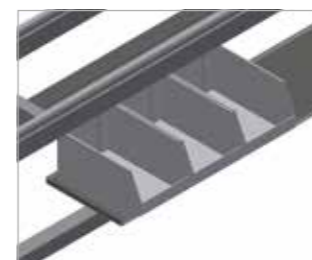
Height adjustment
Adjustable height; working height can be set to 850–1,000 mm by means of adjustable feet



Felt strip
Table supporting surfaces with felt strip for MT/HT 3000 Art. no. 250 20 05 11



Tool rack
Tool rack for pneumatic or electric tools HT 3000 Art. no. 250 20 27 02



Storage area
Storage area with six plastic trays for small accessories, hardware and screws HT 3000 Art. no. 250 20 91 00



End strip with knob profile
HT 3000 Art. no. 250 20 91 00



Roller support, compl. for HT 3000/PVC
Hard plastic rollers with polyamide coating, on plain bearings, load per roller: 60 kg, convenient for transport and handling of PVC elements HT 3000 Art. no. 250 20 05 33



Brush strip
Table supporting surface with brush strip for MT/HT 3000 Art. no. 250 20 05 10



Rubber strips
Table supporting surface with rubber-knob profile for aluminium elements MT/HT 3000 Art. no. 250 20 05 12



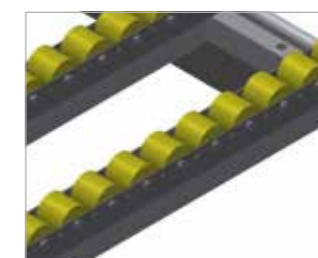
4-fold compressed air supply
4-fold compressed air supply for connecting compressed-air tools HT 3000 Art. no. 250 20 63 01



End rack for HT
HT 3000 Art. no. 250 20 85 03



Pneumatic lifting unit, L = 3,000 for HT 3000
HT 3000 Art. no. 250 20 63 04



Roller support, compl. for HT 3000/Alum.
Plastic rollers with polyurethane coating, on ball bearings, load per roller: 40 kg, convenient for transport and handling of aluminium elements HT 3000 Art. no. 250 20 05 36

4.1 | HORIZONTAL ASSEMBLY TABLES

Horizontal table – Left table, 45° HT 2045 L Art. no. 250 00 50 23

Horizontal table for all work tasks on frames and sashes

- Stable steel construction
- Angled work table; can be used as a pass-through in the production line or as a buffer zone
- Assembly table for all work tasks on frames and sashes
- Table supporting surface with plastic slide bars
- Storage tray for setting down tools and accessories
- Adjustable height
- Simple installation with a modular system design

Technical specifications

- Length 2,850 mm
- Width 1,300 mm
- Height 850 – 1,000 mm
- Weight 100 kg

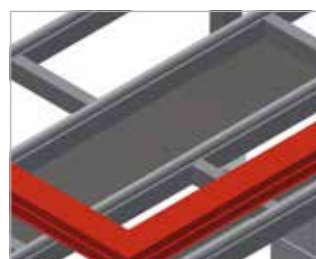
Options

- Also available with brush strips on request
- Also available with felt strips on request (for wooden elements)
- Also available with rubber strips on request (for aluminium elements)
- Roller support
- Tool rack
- 4-fold compressed air supply
- Storage area with six plastic trays
- Parallelogram support, cmpl., for 90°
- Triangular support, cmpl., for in-line use



Supporting surface

Table supporting surface with plastic slide bars



Storage tray

Storage tray for setting down tools and accessories

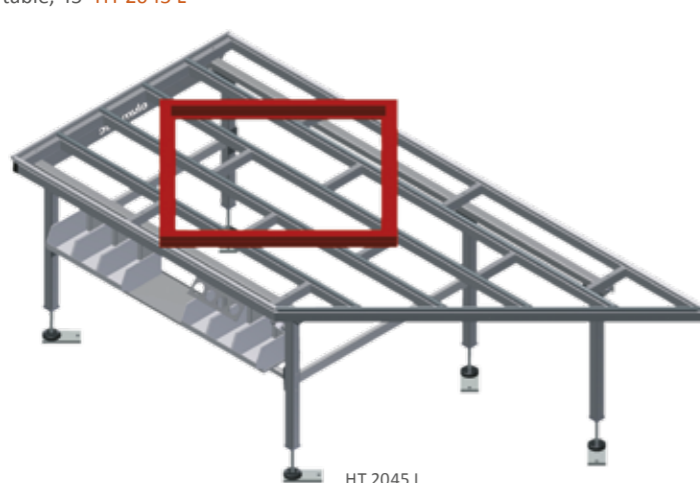


Height adjustment

Adjustable height.
Working height can be set to 850–1,000 mm by means of adjustable feet

Horizontal table – Right table, 45° HT 2045 R Art. no. 250 00 50 24

See Left table, 45° HT 2045 L



HT 2045 L



HT 2045 R



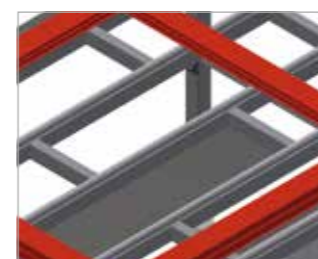
Brush strip

Table supporting surface with brush strip for HT 2045 Art. no. 250 20 05 22



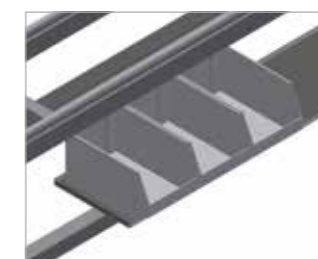
Felt strip

Table supporting surfaces with felt profile strip for HT 2045 Art. no. 250 20 05 23



Rubber strips

Table supporting surfaces with rubber-knob profile for aluminium elements HT 2045 Art. no. 250 20 05 24



Storage area

Storage area with six plastic trays for small accessories, hardware and screws HT 2045 Art. no. 250 20 91 00



Tool rack

Tool rack for pneumatic or electric tools HT 2045 Art. no. 250 20 27 02



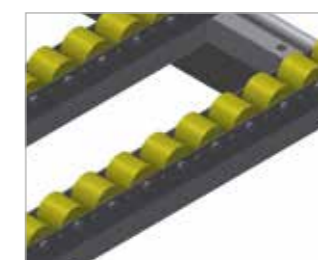
4-fold compressed air supply

4-fold compressed air supply for connecting compressed-air tools HT 2045 Art. no. 250 20 63 01



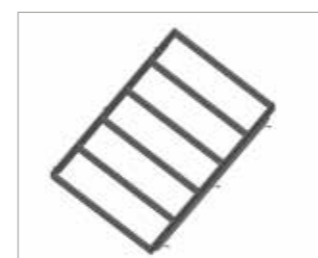
Roller support, cmpl., for HT 2045/PVC

Hard plastic rollers with polyamide coating, on plain bearings, Load per roller: 60 kg, convenient for transport and handling of PVC elements HT 2045 Art. no. 250 20 05 37



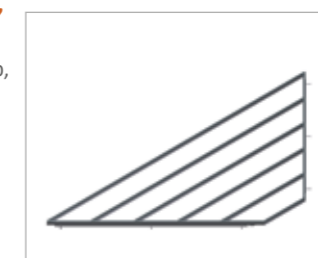
Roller support, cmpl., for HT 2045/Alum.

Plastic rollers with polyurethane coating, on ball bearings Load per roller: 40 kg, convenient for transport and handling of aluminium elements HT 2045 Art. no. 250 20 05 38



Parallelogram support, cmpl., for 90° HT 2045 Art. no. 250 20 05-01

- 26 Table supporting surface brush strip,
- 28 Table supporting surface felt profile strip,
- 30 Table supporting surface rubber-knob profile,
- 39 Roller support, cmpl. for PVC,
- 40 Rubber roller support cmpl. for Alum.



Triangular support, cmpl., for in-line use HT 2045 Art. no. 250 20 05-02

- 25 Table supporting surface brush strip,
- 27 Table supporting surface felt profile strip,
- 29 Table supporting surface rubber-knob profile,
- 41 Roller support, cmpl. for PVC
- 42 Rubber roller support cmpl. for Alum.

4.1 | HORIZONTAL ASSEMBLY TABLES

Horizontal table HT – Add-on examples

Modular work table for a production line

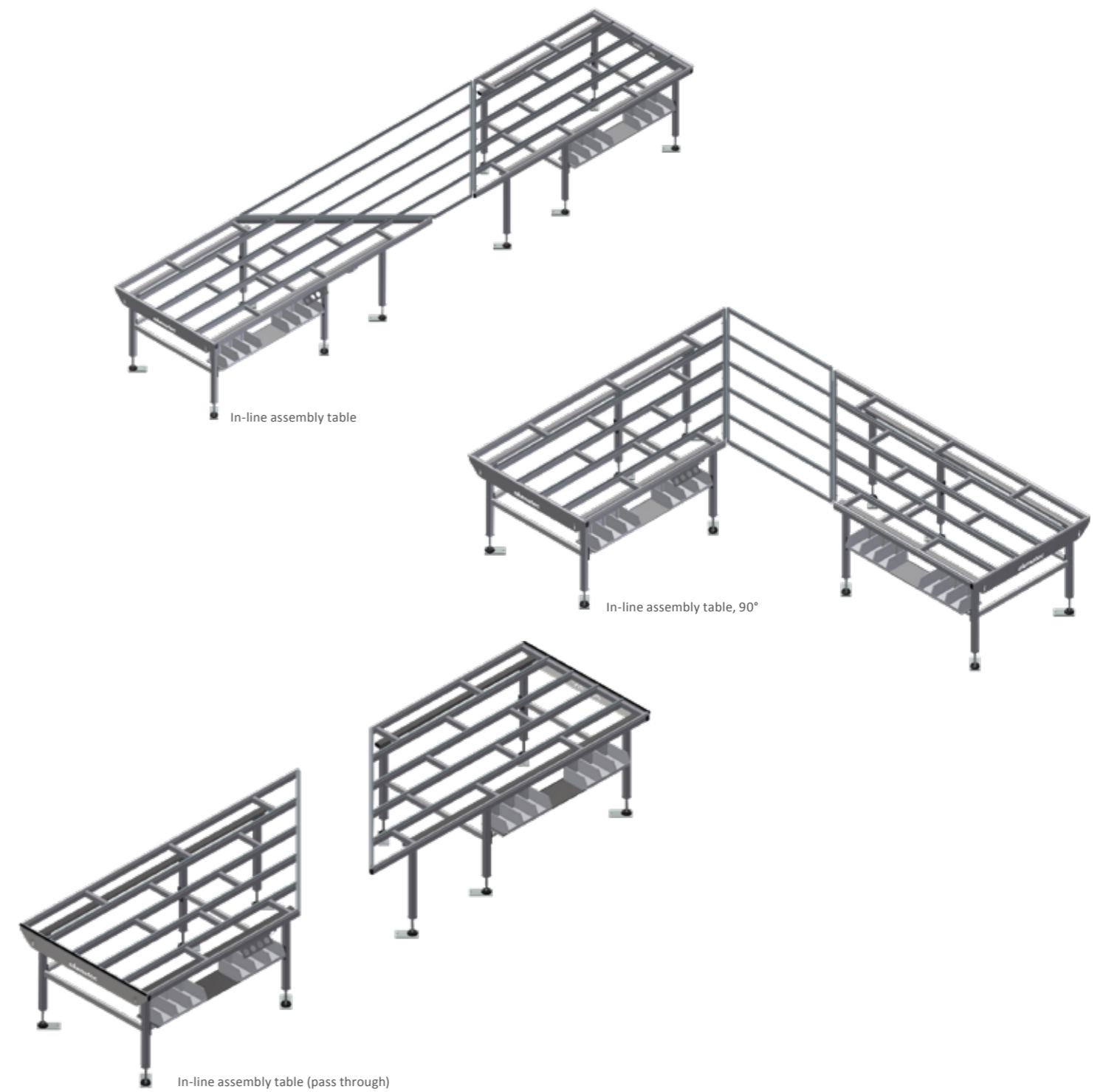
- Variants for HT 1000E, HT 2000E and HT 3000E are possible



Horizontal table HT 2045 – Add-on examples

Modular work table for a production line

- Variants for HT 2045 are possible



4.2 | ROTATING TABLE

Rotating table DT 1000 Art. no. 250 00 50 07

Rotating table for all work tasks on frames and sashes

- Stable steel construction
- Rotating work table
- Versatile work table for all applications, e.g. for assembly tasks, as a work table for gasket insertion, for the post-processing of special-order production items, for hardware assembly as well as for final assembly
- Four continuously adjustable pull-out support arms
- Support arms are rubber coated
- Table surface can be rotated 360° and locked using pedal
- With practical storage tray and practical tool tray

Technical specifications

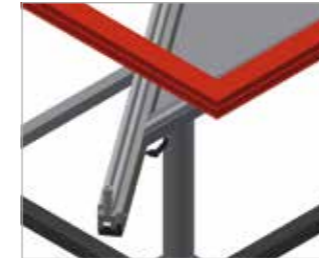
- | | |
|--|-----------------|
| • Length of the arms
700 – 1,000 mm | • Height 900 mm |
| | • Weight 110 kg |

Options

- Also available with a felt surface on request (for wooden profiles)
Art. no. 250 20 05 03

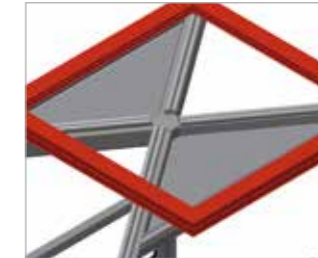


DT 1000



Supporting surface

Support arms are rubber coated



Storage area

Practical storage for small accessories, hardware and screws



Tool rack

Tool rack for pneumatic or electric tools



Support arms

Four pivoting and continuously adjustable pull-out support arms



Pedal brake

Table surface can be rotated 360°; foot brake for locking the rotation



Felt strip

Felt surface for DT 1000 (wood processing)
Art. no. 250 20 05 03

4.3 | LIFT AND TURN TABLE

Lift and turn table HD 3000 Art. no. 250 00 50 29

Lift and turn table for assembly and gasket insertion

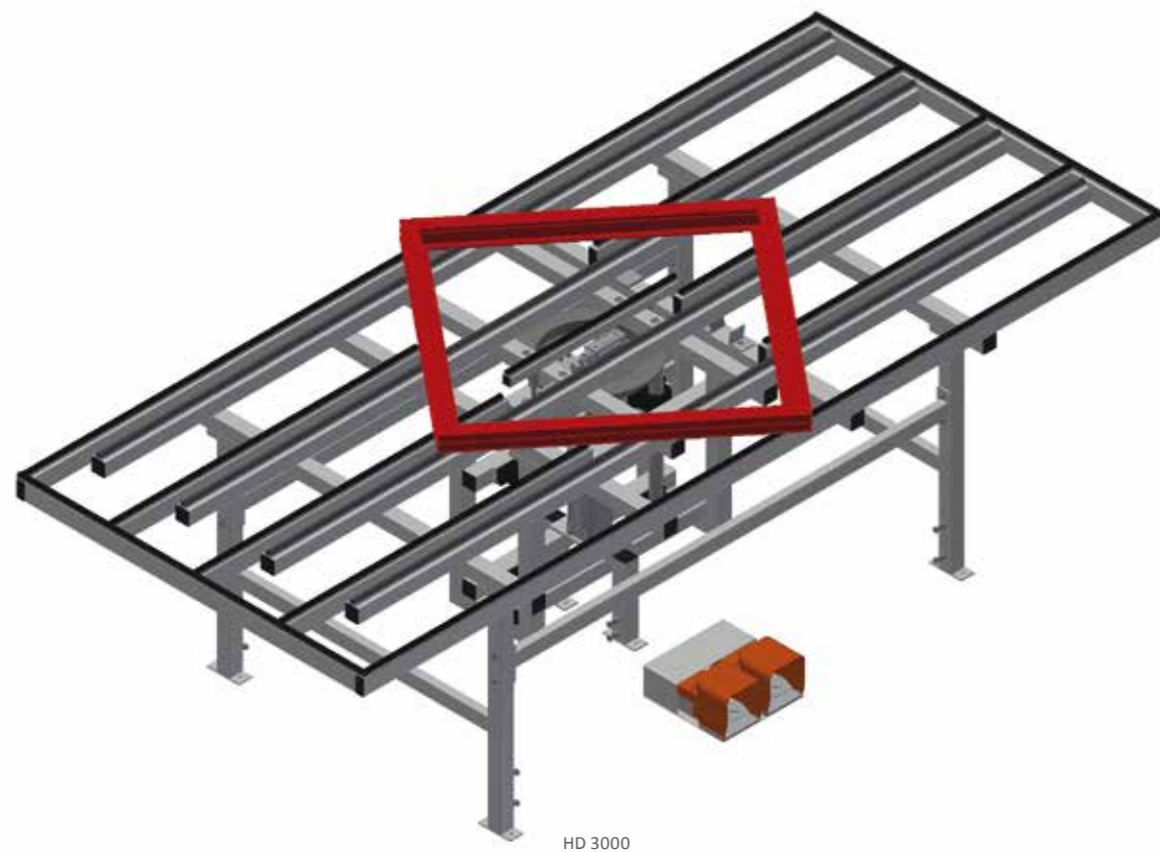
- Stable steel construction
- Ideal for assembly and gasket insertion
- Adjustable height
- Inner table height pneumatically adjustable
- Inner table can be rotated; with pneumatic fixing brake
- Inner table equipped with rubber strips
- Outer table with plastic slide bars
- 4-fold compressed air supply

Technical specifications

- Length 3,000 mm
- Width 1,300 mm
- Adjustable height 850 – 1,000 mm
- Travel of pneum. inner table 150 mm
- Weight 240 kg
- Load 200 kg
- Compressed air supply 7 bar
- Air consumption approx. 35 l/min.

Optional

- Outer table also available with rubber profiles on request (for aluminium profiles)



HD 3000



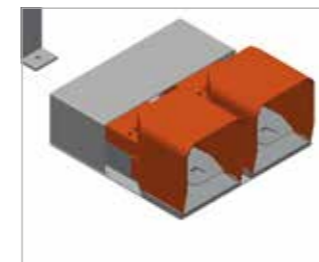
Supporting surface

Outer table with plastic slide bars. Inner table equipped with rubber strips



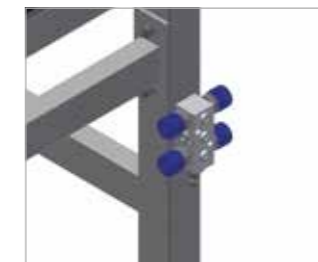
Lift and turn mechanism

Practical for hardware assembly as well as for final assembly and gasket insertion. Inner table height pneumatically adjustable. Inner table can be rotated; with pneumatic fixing brake



Foot switch

Control via foot valve



4-fold compressed air supply

4-fold compressed air supply for connecting compressed-air tools



Outer table with rubber strips

Outer table supporting surface with rubber-knob profile for HD 3000. Outer table also available with rubber strips on request.

HD 3000 Art. no. 250 20 05 19

4.4 | ASSEMBLY STANDS

Assembly stand MS 3000 Art. no. 251 00 51 08

Assembly table for vertical assembly

- Stable steel construction
- Ideal for vertical assembly
- Suitable for lines
- Infinitely variable intermediate positions for ergonomic working
- Height adjustment by means of pneumatic cylinder
- Roller support with steel rollers
- Table supporting surface with plastic slide bars
- Two horizontally adjustable profile clamps
- 4-fold compressed air supply

Technical specifications

- | | |
|-----------------------------------|-------------------------------------|
| • Length 3,110 mm | • Weight 330 kg |
| • Width 1,200 mm | • Load 300 kg |
| • Vertical height 2,050 mm | • Compressed air supply 7 bar |
| • Pneum. height adjustment 500 mm | • Air consumption approx. 35 l/min. |
| • Roller conveyor width 200 mm | |

Options

- Pull-out profile support for MS 3000
- Positionable profile clamps
- Holder plate for screw driving unit
- Mobility unit
- Rail
- End stop
- Profile protectors for support rollers

Assembly stand MS 4000 Art. no. 251 00 51 09

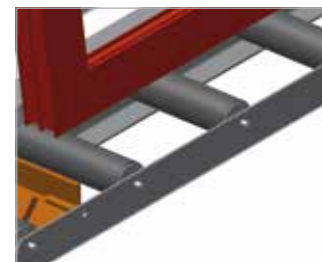
See MS 3000, however:

- Length 4,110 mm
- Weight 370 kg



Supporting surface

Table supporting surface with plastic slide bars



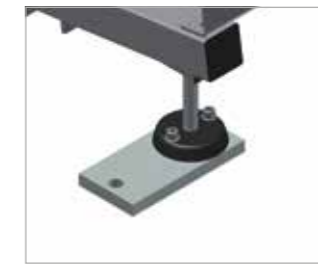
Roller support

Lower roller conveyor with support roller, L=200 mm



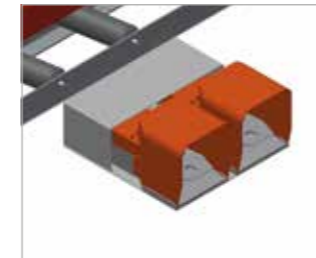
Clamps

Two material clamps at the side fix the profile while working, profile clamping height, max. 200 mm



Height adjustment

Adjustable height; working height can be set by means of adjustable feet



Foot switch

Control via foot valve. Pneumatic height adjustment by 500 mm in the vertical position, clamping is pneumatic



4-fold compressed air supply

4-fold connection for compressed-air tools



Lead-in rollers

Protective rollers for beginning or end of roller conveyor



Pull-out profile support

The table supporting surface can be pulled out at the top for MS 3000 and MS 4000 by 800 mm and 500 mm to accommodate high frames
MS 3000 Art. no. 251 20 63 01
MS 4000 Art. no. 251 20 63 03



Holder plate for screw driving unit

Tool rack for pneumatic tools
MS 3000/4000 Art. no. 250 23 00 00



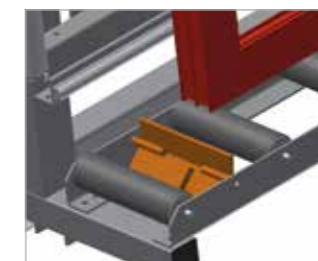
Positionable profile clamps

Auxiliary clamps provide extra security when working
MS 3000/4000 Art. no. 251 20 63 00



Profile protectors for support rollers

Profile protectors for support rollers, 200 mm (Alum./16x and Alum./21x), roller conveyor with protective tubing over the rollers to protect the window element during infeed and outfeed
MS 3000 Art. no. 252 20 63 01
MS 4000 Art. no. 252 20 63 03



End stop

End stop Rb=200 for VR
MS 3000/4000 Art. no. 252 20 32 01



Mobility unit

Mobility unit for KT/KTH/MS/VE, with flanged rollers and fixing brake
MS 3000/4000 Art. no. 250 20 32 01



Rail

Rails, 2.0 m, left and right respectively, note: Please order the length of rails required
MS 3000/4000 Art. no. 252 20 09 00

4.4 | ASSEMBLY STANDS

Assembly stands (1 pair) **MB 2000** Art. no. 250 00 50 13

Assembly stands for working on large window elements

- Stable steel construction
- Assembly stand 2.0 m long
- Simple installation with a modular system design
- Rubber profile supporting surface
- Set of assembly stands (1 pair)
- Adjustable height

Technical specifications

- Length 2,000 mm
- Width 700 mm
- Height 850 – 1,000 mm
- Weight 40 kg



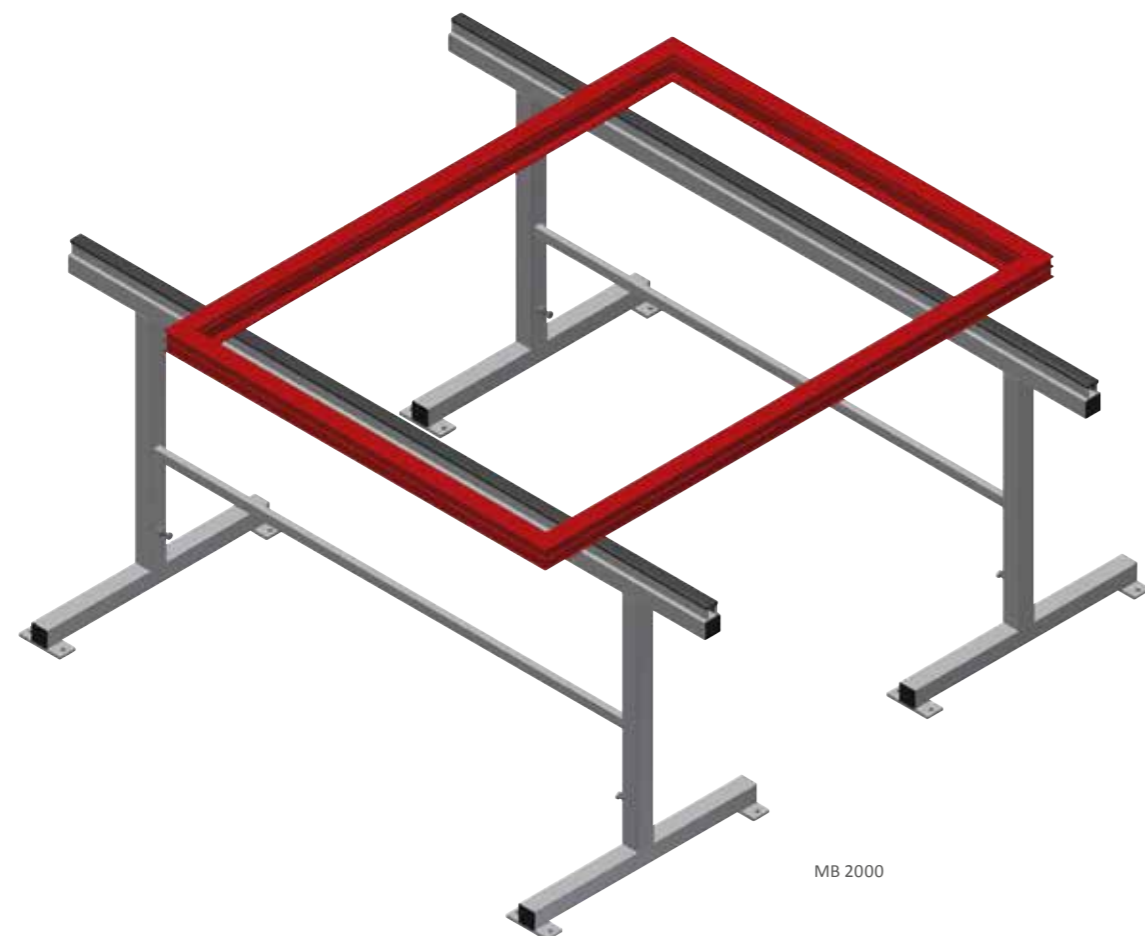
Supporting surface

Supporting surfaces with rubber profile



Height adjustment

Height adjustable from 850 – 1,000 mm



MB 2000

Roller support **MST 1000** Art. no. 250 00 50 03

- Stable steel construction – galvanised
- Plastic support rollers
- Height is adjustable

Technical specifications

- Length 550 mm
- Width 450 mm
- Height adjustable from 700 – 1,100 mm
- Support roller diameter 50 mm
- Support roller length 500 mm
- Weight 10 kg



Plastic rollers

Support rollers L = 500 mm



Height adjustment

Height adjustable from 700 – 1,100 mm



MST 1000

4.4 | ASSEMBLY STANDS

Assembly station MSA 2400 Art. no. 250 00 50 26

Assembly station for all assembly tasks on special-order elements and curtain walls

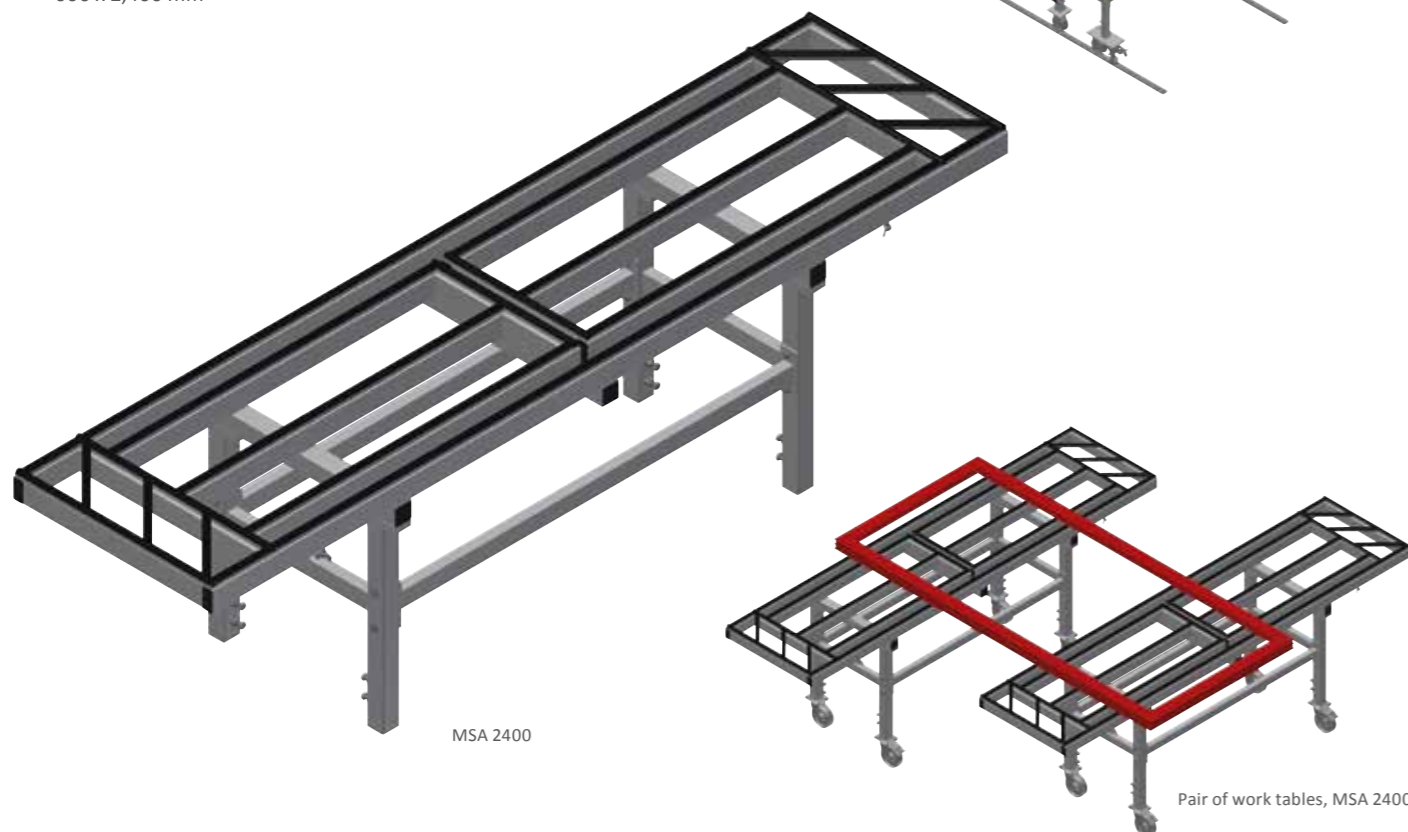
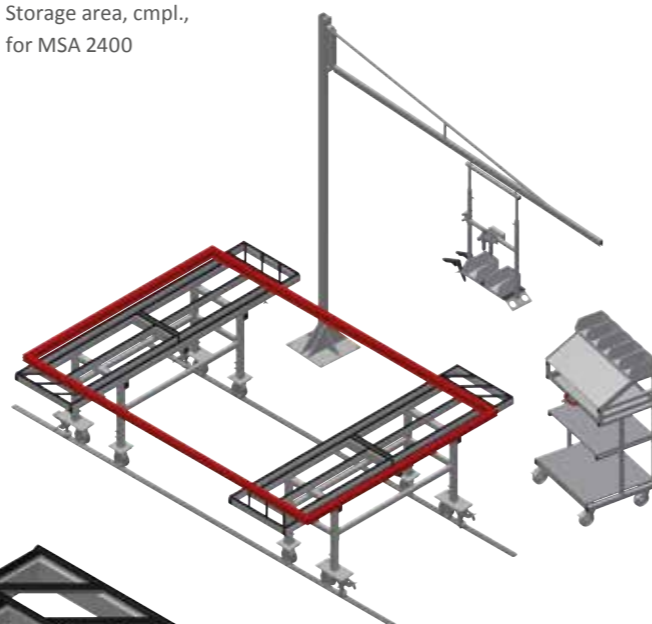
- Stable steel construction
- Assembly table for all assembly tasks on special-order elements and curtain walls
- Pull-outs on two sides
- Assembly table is ideal for the assembly of larger elements
- The narrow design of the machine base provides good accessibility to the elements from all sides
- The assembly table is mobile
- Supporting surfaces with rubber profile
- The tables can be adapted to suit the elements optimally due to a large adjustment range of the supporting surfaces, i.e. by pulling out the supports and shifting the tables

Technical specifications

- Length 2,400 mm
- Width 600 mm
- Height 850 – 1,000 mm
- Supporting surface 600 x 2,400 mm
- Pulled out 600 x 4,200 mm
- Weight 80 kg
- Load 600 kg

Options

- Flanged roller, cpl., for MSA 2400 – Assembly lines
- Rail, 2.0 m, left and right
- Castor, cpl., for MSA 2400 – Stand alone
- 4-fold compressed air supply
- Storage area, cpl., for MSA 2400



Supports

Supporting surfaces with rubber profile. The supports at the edges have a parallelogram shape to allow profiles to be set down longitudinally. Pull-out supports on the side: 900 mm



Supporting surface

Supporting surfaces equipped with rubber profile to protect profiles from damage



Flanged roller, cpl.

Mobility unit with four flanged rollers and two fixing brakes MSA 2400 Art. no. 250 20 97 01



Supports

Supporting surfaces with rubber profile. The supports at the edges have a parallelogram shape to allow profiles to be set down longitudinally. Pull-out supports on the side: 900 mm



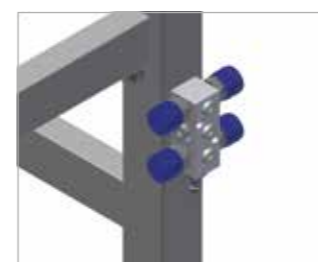
Rail

Rails, 2.0 m, left and right. Note: Please order the length of rail required for the assembly station MSA 2400 Art. no. 252 20 09 00



Castors

Mobility unit with two castors with swivel brake and travelling brake plus two fixed rollers MSA 2400 Art. no. 250 20 97 00



4-fold compressed air supply

4-fold compressed air supply for connecting compressed-air tools MSA 2400 Art. no. 250 20 63 02



Storage area

Storage area with four plastic trays for small accessories, hardware and screws Art. no. 250 20 91 01

Variants for assembly lines

- The rails, once adjusted to be level, provide a level supporting surface on which the tables can be moved.
- The tables can be moved and easily positioned on the rails.
- Two or more tables can be combined to enlarge the supporting surface to any extent desired.
- The tables are ideal for the assembly of large elements.
- When the tables are not needed, they can be pushed together and moved aside.
- There are supports with a parallelogram shape at the edges to allow profiles to be set down longitudinally

Note

- MSA 2400 assembly station – two pieces Art. no. 250 00 50 26
- Flanged roller, cpl., for MSA 2400 – Assembly lines – two pieces Art. no. 250 20 97 01
- Rail 2.0 m left and right – two pieces Art. no. 252 20 09 00

Stand-alone variants

- The narrow design of the machine base provides good accessibility to the elements from all sides
- A larger work area of the supporting surface can be achieved by pulling out the parallelogram-shaped supports
- The tables can be moved and easily positioned on castors
- Two tables can be combined to enlarge the supporting surface to any extent desired
- The tables are ideal for the assembly of large elements

Note

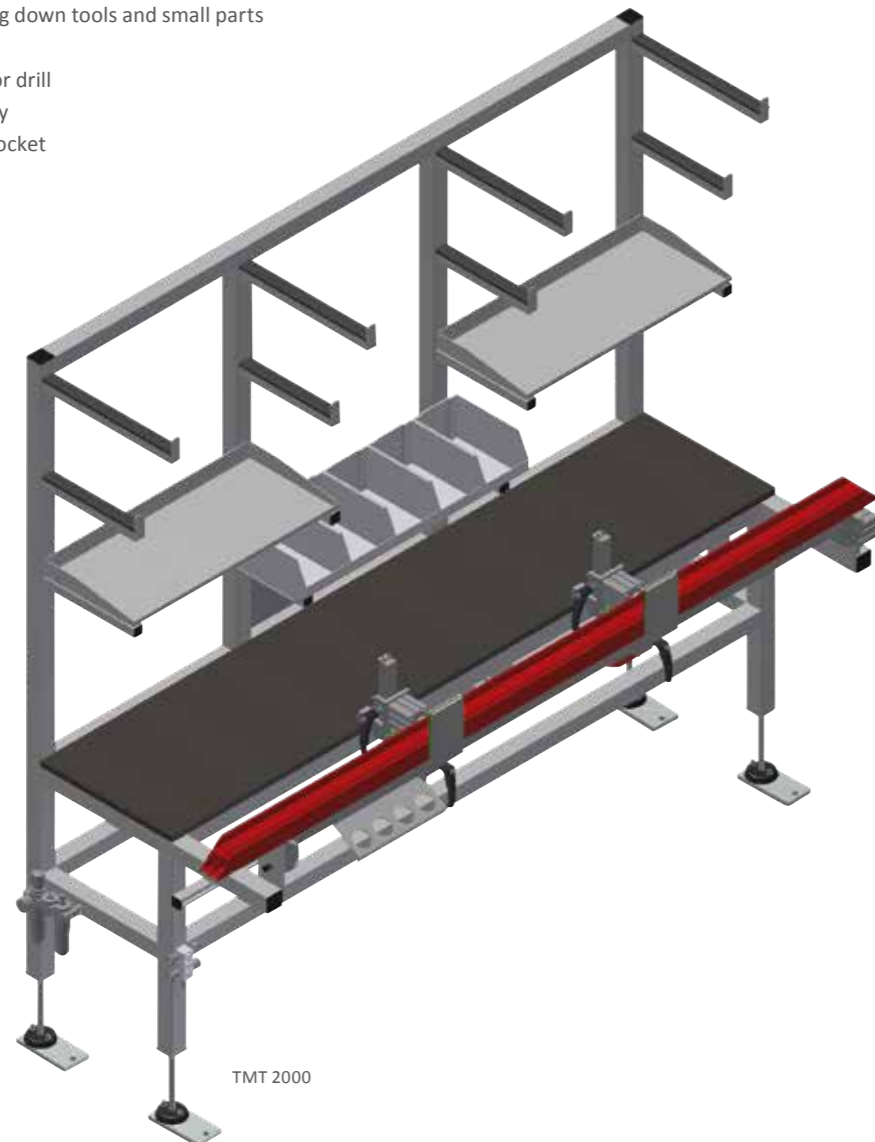
- MSA 2400 assembly station – two pieces Art. no. 250 00 50 26
- Flanged roller, cpl., for MSA 2400 – Stand alone – two pieces Art. no. 250 20 97 00

4.4 | ASSEMBLY STANDS

Door bar assembly table **TMT 2000** Art. no. 250 00 50 25

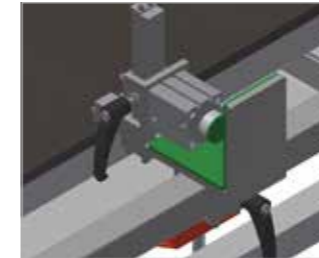
Assembly table for pre-assembly of hardware and gaskets

- Stable steel construction
- Work table for all pre-assembly tasks for hardware and gaskets on aluminium windows and doors
- Equipped with two clamps
- Clamping device for profiles with a depth of 45 – 120 mm and facing width of 50 – 150 mm.
- Clamping position can be adjusted
- Clamping cylinder is activated by a foot switch
- 180° pivoting mechanism for the clamped profiles in 30° steps via a foot switch, lockable
- Support arms for long parts
- Two storage areas for setting down tools and small parts
- Drawers for tools
- Rack for screw driving unit or drill
- 4-fold compressed air supply
- Double two-pin grounded socket



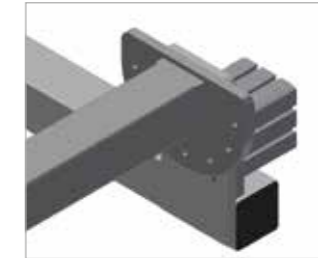
Technical specifications

- | | |
|-------------------|-------------------------------------|
| • Length 2,000 mm | • Weight 145 kg |
| • Width 850 mm | • Compressed air supply 7 bar |
| • Height 1,970 mm | • Air consumption approx. 20 l/min. |



Clamping device

Clamping device for profiles with a depth of 45 – 120 mm and facing width of 50 – 150 mm. Clamping position adjustable in the longitudinal direction of the profile. Clamping cylinder actuated via a foot switch



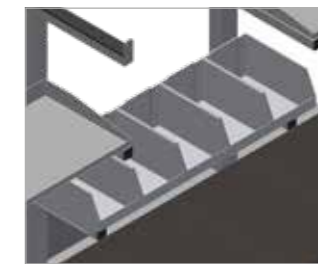
Pivoting mechanism

180° pivoting mechanism for the clamped profiles in 30° steps via a foot switch, lockable



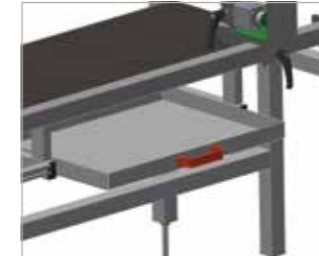
Support arms

Support arms for long parts such as multiple locking hardware. Storage areas for tools and small parts



Storage area

Storage area with five plastic trays



Drawer

Drawer for tools. Rubber coated tool trays



Maintenance unit

Maintenance unit for compressed-air tools



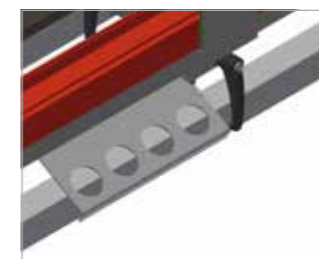
4-fold compressed air supply

4-fold compressed air supply for connecting compressed-air tools



Articulated foot

Working height can be set to 850–1,000 mm by means of adjustable feet



Tool rack

Tool rack for pneumatic or electric tools

4.5 | TILTING TABLES

Tilting table **KT 3000** Art. no. 250 00 50 27

Assembly table for vertical and horizontal assembly

- Stable steel construction
- Important when switching from vertical to horizontal transportation and vice versa
- Ideal for vertical and horizontal assembly
- Pneumatic tilting
- Table supporting surface with plastic slide bars
- Roller support can be lowered pneumatically
- 4-fold compressed air supply

Technical specifications

- | | |
|--------------------------------|-------------------------------------|
| • Length 3,000 mm | • Weight 300 kg |
| • Width 1,820 mm | • Load 200 kg |
| • Vertical height 1,900 mm | • Compressed air supply 7 bar |
| • Roller conveyor width 200 mm | • Air consumption approx. 35 l/min. |

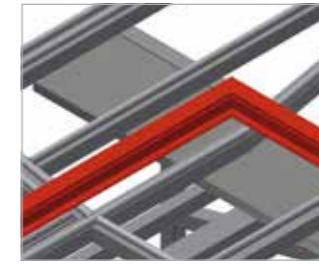
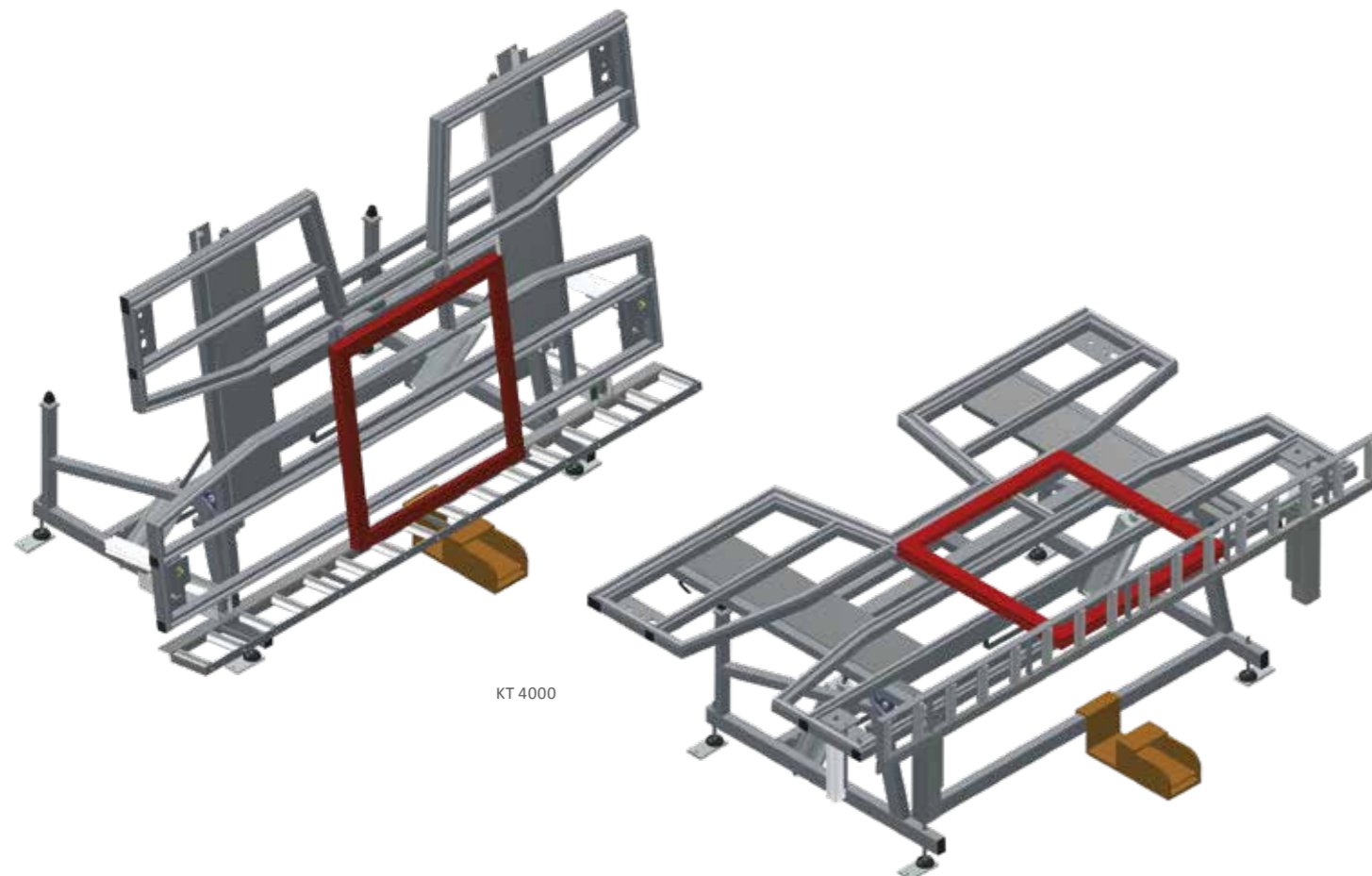
Options

- Also available with brush strips on request
- Also available with felt strips on request (for wooden profiles)
- Also available with rubber strips on request (for aluminium profiles)
- Pull-out table supporting surface at top for KT/KTH 3000
- Profile protectors for support rollers
- Mobility unit for KT/KTH/MS/VE
- Rail, 2.0 m

Tilting table **KT 4000** Art. no. 250 00 50 28

See **KT 3000**, however:

- Length 4,000 mm
- Weight 350 kg



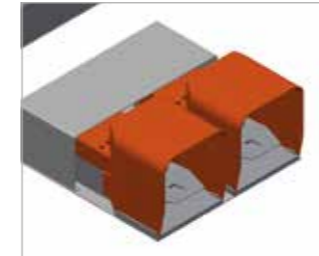
Supporting surface

Table supporting surface with plastic slide bars



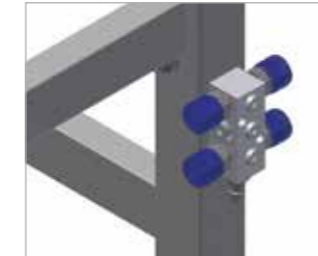
Roller support

Roller conveyor can be lowered pneumatically to allow unhindered working in horizontal position; in vertical position, trouble-free onward transport is possible



Foot switch

Control via foot valve, horizontal/vertical tilting is pneumatic



4-fold compressed air supply

4-fold compressed air supply for connecting compressed-air tools



Brush strip

Table supporting surface with brush strip
KT/KTH 3000 Art. no. 250 20 05 13
KT/KTH 4000 Art. no. 250 20 05 14



Felt strip

Table supporting surfaces with felt profile strip for
KT/KTH 3000 Art. no. 250 20 05 15
KT/KTH 4000 Art. no. 250 20 05 16



Rubber strips

Table supporting surfaces with rubber-knob profile for
KT/KTH 3000 Art. no. 250 20 05 17
KT/KTH 4000 Art. no. 250 20 05 18



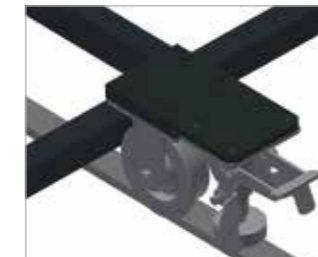
Profile protectors for support rollers

Profile protectors for support rollers 200 mm (Alum./16x and Alum./21x). Roller conveyor with protective tubing over the rollers to protect the window element during infeed and outfeed
KT 3000 Art. no. 252 20 63 01
KT 4000 Art. no. 252 20 63 03



Pull-out profile support

Pull-out table supporting surface at top for
KT/KTH 3000 and KT/KTH 4000. The table supporting surface can be pulled out 500 mm at the top for high frames
KT/KTH 3000 Art. no. 250 20 05 20
KT/KTH 4000 Art. no. 250 20 05 21



Mobility unit

Mobility unit for KT/KTH/MS/VE. Mobility unit with flanged rollers and fixing brake
KT 3000 Art. no. 250 20 32 01
KT 4000 Art. no. 250 20 32 01



Rail

Rails, 2.0 m, left and right. Note: Please order the length of rails required
KT 3000 Art. no. 252 20 09 00
KT 4000 Art. no. 252 20 09 00

4.5 | TILTING TABLES

Tilting table with height adjustment KTH 3000

Art. no. 250 00 50 32

Assembly table for vertical and horizontal assembly

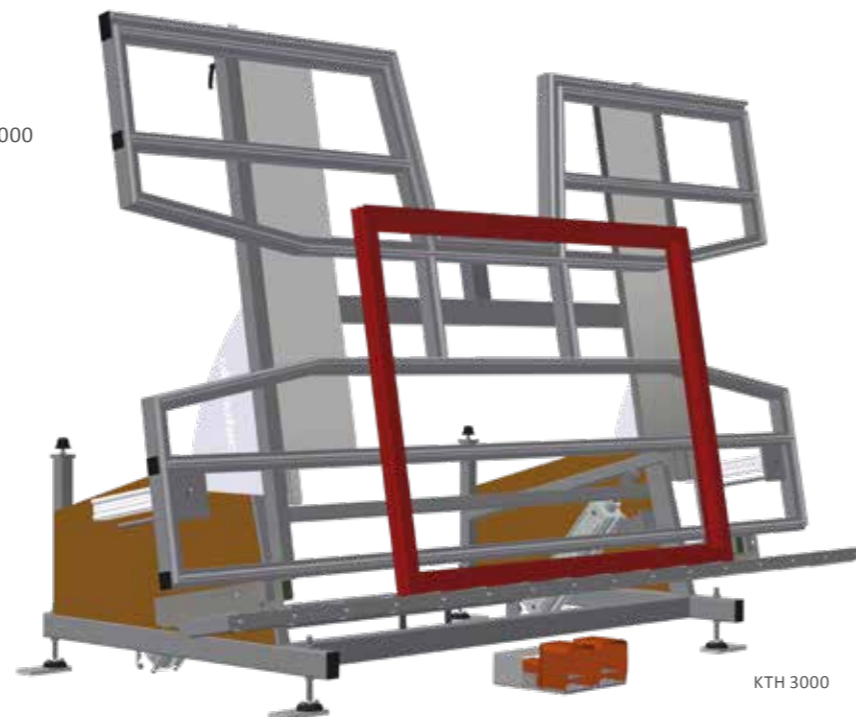
- Stable steel construction
- Important when switching from vertical to horizontal transportation and vice versa
- Ideal for vertical and horizontal assembly
- Infinitely variable intermediate positions for ergonomic working
- Pneumatic tilting
- Pneumatic vertical height adjustment
- Table supporting surface with plastic slide bars
- Roller support can be lowered pneumatically
- Two lateral pneumatic clamps, (lowerable)
- 4-fold compressed air supply

Technical specifications

- Length 3,000 mm
- Width 1,820 mm
- Vertical height 1,900 mm
- Roller conveyor width 200 mm
- Weight 330 kg
- Load 200 kg
- Compressed air supply 7 bar
- Air consumption approx. 35 l/min.

Options

- Also available with brush strips on request
- Also available with felt strips on request (for wooden profiles)
- Also available with rubber strips on request for aluminium profiles)
- Pull-out table supporting surface at top for KT/KTH 3000
- Profile protectors for support rollers
- Additional clamps for KT/KTH 3000
- Mobility unit for KT/KTH/MS
- Rail, 2.0 m

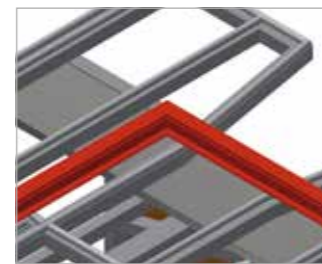


Tilting table with height adjustment KTH 4000

Art. no. 250 00 50 33

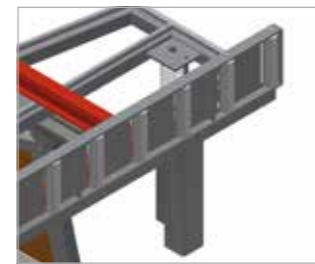
See KTH 3000, however:

- Length 4,000 mm
- Weight 380 kg



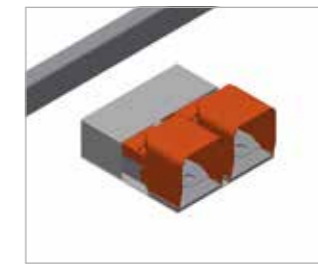
Supporting surface

Table supporting surface with plastic slide bars



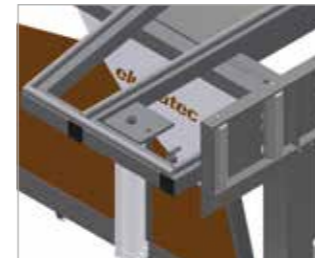
Roller support

Roller conveyor can be lowered pneumatically to allow unhindered working in horizontal position; in vertical position, trouble-free onward transport is possible



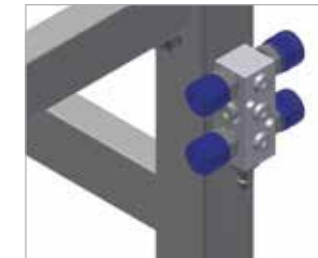
Foot switch

Control via foot valve, horizontal/vertical tilting is pneumatic; height adjustable pneumatically by 500 mm in the vertical position



Clamps

Two clamps at the side for fixing the window element in place. Laterally adjustable with hand lever valve. Max. profile clamping height, 150 mm



4-fold compressed air supply

4-fold connection for compressed-air tools



Brush strip

Table supporting surface with brush strip
KT/KTH 3000 Art. no. 250 20 05 13
KT/KTH 4000 Art. no. 250 20 05 14



Felt strip

Table supporting surfaces with felt profile strip for
KT/KTH 3000 Art. no. 250 20 05 15
KT/KTH 4000 Art. no. 250 20 05 16



Rubber strips

Table supporting surfaces with rubber-knob profile for
KT/KTH 3000 Art. no. 250 20 05 17
KT/KTH 4000 Art. no. 250 20 05 18



Profile protectors for support rollers

Profile protectors for support rollers 200 mm (Alum./16x and Alum./21x). Roller conveyor with protective tubing over the rollers to protect the window element during infeed and outfeed
KTH 3000 Art. no. 252 20 63 01
KTH 4000 Art. no. 252 20 63 03



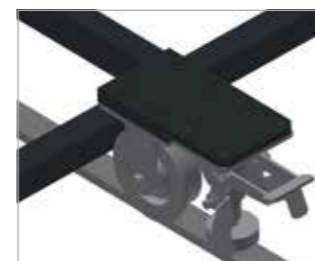
Auxiliary clamp

Auxiliary clamps for KTH 3000 and KTH 4000. Auxiliary clamps provide extra security when working
Art. no. 250 20 95 00



Pull-out profile support

Pull-out table supporting surface at top for KTH 3000 and KTH 4000. The table supporting surface can be pulled out 500 mm at the top for high frames
KTH 3000 Art. no. 250 20 05 20
KTH 4000 Art. no. 250 20 05 21



Mobility unit

Mobility unit for KT/KTH/MS/VE. Mobility unit with flanged rollers and fixing brake
KT/KTH 3000 Art. no. 250 20 32 01
KT/KTH 4000 Art. no. 250 20 32 01



Rail

Rails, 2.0 m, left and right.
Note: Please order the length of rail required
KTH 3000 Art. no. 252 20 09 00
KTH 4000 Art. no. 252 20 09 00

4.5 | TILTING TABLES

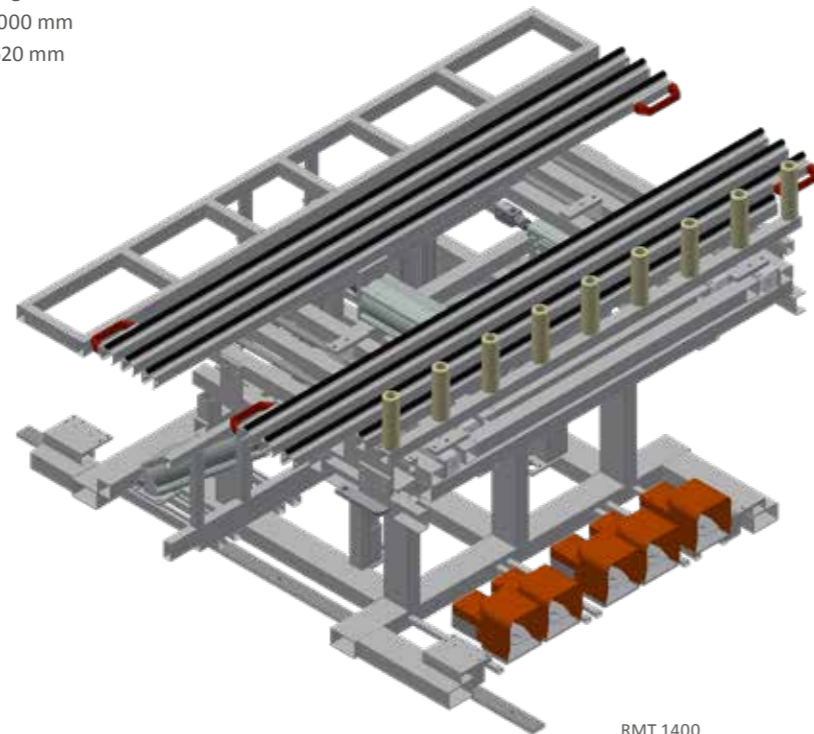
Roller shutter box assembly table RMT 1400

Art. no. 250 00 50 62

- Stable steel construction
- Tilting assembly table with draw-in unit
- Basic dimensions 1,400 x 2,000 mm, when pulled out 2,000 x 2,800 mm
- Pull-out work platform consisting of two supporting beams, clad with brush strip
- Minimum size of work platform 2,000 x 1,000 mm
- Maximum size of work platform 2,800 x 2,000 mm
- Two supporting beams form a frame, the height of which can be adjusted pneumatically and continuously from 1,000 to 2,000 mm
- Lifting and tilting unit with foot valve
- Fixed roller conveyor with lifting unit, 100 mm
- Lifting unit for transferring / receiving from the roller conveyor
- Roller conveyor open at front for drawing in to transfer roller conveyor
- Mobility unit with flanged rollers and pneumatic fixing brake with operation from side

Technical specifications

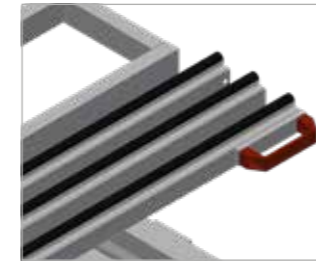
- | | |
|-----------------------------------|------------------------------------|
| • Working height 950 mm | • Depth of support table 200 mm |
| • Roller conveyor length 1,600 mm | • Length of support table 2,000 mm |
| • Roller diameter 50 mm | • Load 300 kg |
| • Roller length 150 mm | • Length 2,000 mm |
| • Tilt of supporting surface 8° | • Width 1,620 mm |



RMT 1400

Options

- Table supporting surface with felt profile strip for RMT 1400
- Auxiliary clamp with hand valve



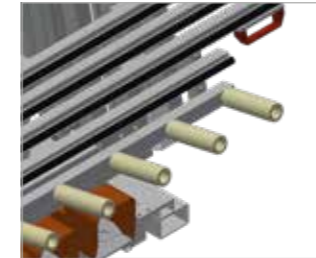
Supporting surface

Table supporting surface with brush strips



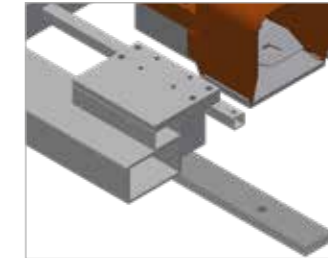
Worktable

Height of support table adjustable to 230 mm below the work surface. Depth of support table 250 mm, length 2,000 mm



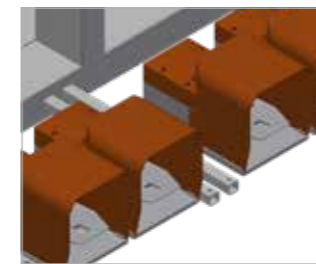
Roller support

Roller conveyor open at front for drawing in to transfer roller conveyor. Fixed roller conveyor with lifting unit, 100 mm Lifting unit for transferring / receiving from the roller conveyor



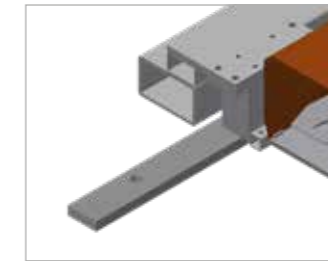
Mobility unit

Mobility unit with flanged rollers and pneumatic fixing brake with operation from both sides



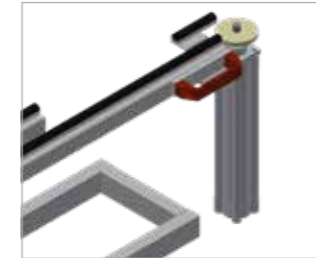
Foot switch

Control via foot valve. Lifting and tilting unit with foot valve



Rail

Rails, 2.0 m, left and right, tilting assembly table with draw-in unit for mounting prefabricated roller shutter boxes onto window elements



Auxiliary clamp

Auxiliary clamp with hand valve for RMT 1400. Auxiliary clamps provide extra security when machining



Felt strip

Table supporting surface with felt profile strip for RMT 1400

4.6 | EQUIPMENT HOLDERS

Equipment holder **G 3000** Art. no. 250 20 27 00

Equipment holder for compressed-air and electric equipment

- Attach to the wall or a steel column
- Moveable storage device for tools and compressed-air equipment for improved working conditions
- No air hoses on the floor
- Tool rack with adjustable height
- Supplied with two spiral hoses as standard (without tools)
- With maintenance unit and air connection hose
- Double two-pin grounded socket
- 4-fold compressed air supply

Technical specifications

- Boom arm length 3,000 mm
- Load 160 kg

Accessories

- Can be attached to steel column if desired S 3000 Art. no. 250 20 27 01

Equipment holder **G 4000** Art. no. 250 20 27 04

See **G 3000**, however:

- Boom arm length 4,000 mm
- Load 120 kg

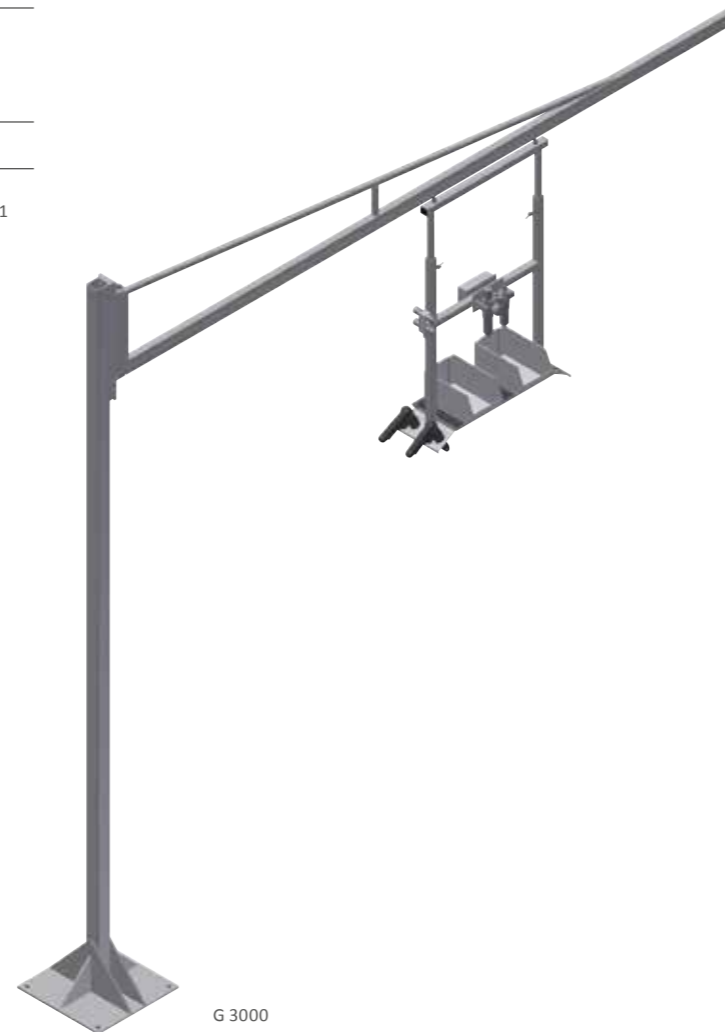
Accessory steel column **S 3000** Art. no. 250 20 27 01

Column for equipment boom arm

- Steel column for mounting the equipment holder
- Base plate for floor installation at any location

Technical specifications

- Stand height 3,000 mm
- Height of storage trays 1,350 mm
- Boom arm attachment height 2,400 mm
- Base plate 400 x 400 mm



Tool rack

Tool rack for pneumatic or electric tools



Storage area

Practical storage area with two plastic trays for small accessories such as hardware and screws



Maintenance unit

Maintenance unit for compressed-air tools



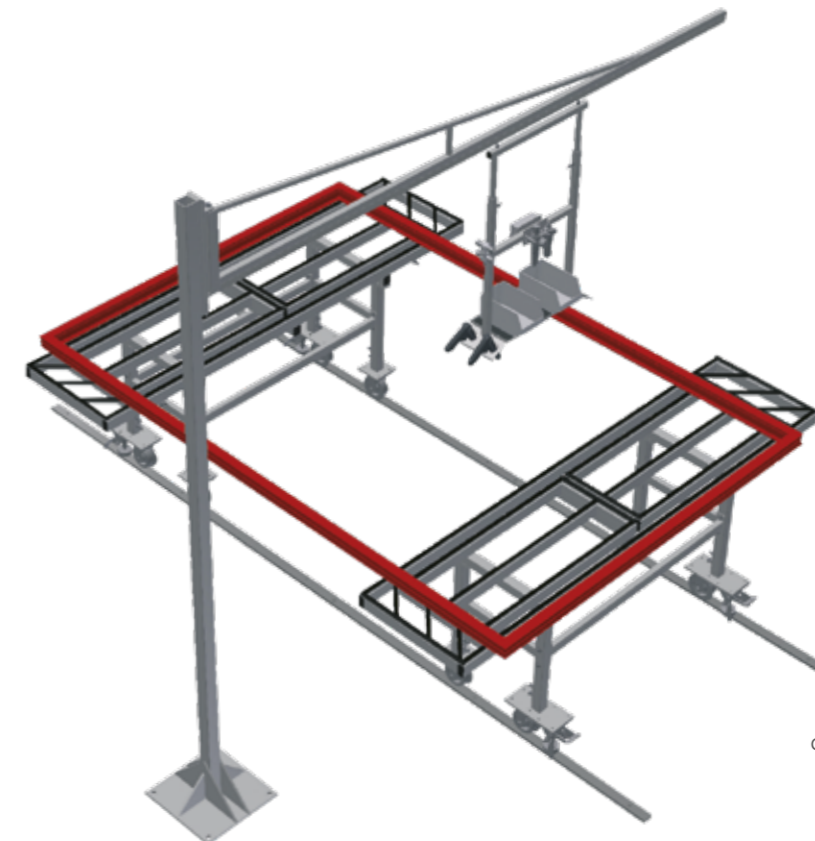
4-fold compressed air supply

4-fold connection for compressed-air tools



Double two-pin grounded socket

Double two-pin grounded socket



5 | ASSEMBLY CENTRES

Sash assembly centres are an important part of an efficient production process. The numerous options for our sash assembly centres mean they can be customised to meet the requirements of many different production lines and can be expanded as needed. This gives you maximum flexibility and allows you to expand your production equipment step by step.



Product overview	Product	Page
Sash assembly centre	FAZ 2800	56
Sash assembly centre	FAZ 2800/60	58
Frame assembly centre	RMZ 4000	60

5.1 | SASH CENTRES

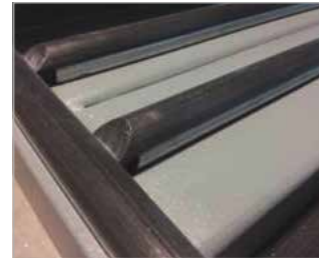
Sash assembly centre **FAZ 2800** Art. no. 255 00 55 00

Sash assembly centre for installing hardware on plastic and aluminium window sashes

- Ergonomic screw driving of hardware in a very short time
- Sash assembly table for measuring and cutting to length of hardware components
- Optimisation of sash processing by bundling various work tasks at a single workstation
- Assembly table can be tilted pneumatically
- The sash, measurement and centring units can be moved pneumatically
- Gear cropper with stops for a centred or constant handle position
- Two stop blocks for different sash widths
- Mobile screwing unit with pneumatic height adjustment
- Manual insertion funnel for second screw length
- Automatic depth shutoff
- Screw feed unit
- Table supporting surface with plastic slide bars

Technical specifications

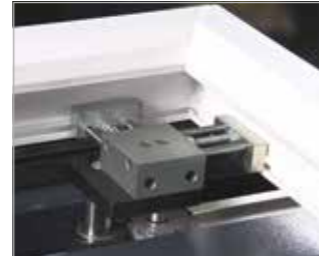
- Table length 2,800 mm
- Table width 1,400 mm
- Total length 3,400 mm
- Total width 2,000 mm
- Weight 450 kg
- Table height adjustable 850 – 1,000 mm
- Table inclination approx. 15°
- Sash inside dimensions approx. 280 – 2,300 mm
- Compressed air supply 7 bar
- Screw dimensions:
 - Head diameters 5.0–9.0 mm
 - Shank diameters 3.5–4.5 mm
 - Length approx. 10.0 – 35.0 mm
- Power supply 230/400 V, 3~, 50 Hz
- Electrical connected load approx. 3 W
- Air consumption:
 - Screw driving unit approx. 250 l/min.
 - Clamping unit approx. 35 l/min.



Supporting surface
Table supporting surface with plastic slide bars



Screwing unit
Mobile screwing unit with pneumatic height adjustment. Manual insertion funnel for second screw length. Automatic depth shutoff



Stop block
Two stop blocks for two sash widths



Gear cropper
Gear cropper with stops for a centred and consistent handle position. Gear cropper with open cutting tool



Handle hole drilling unit (optional)
Handle hole drilling unit installed at a fixed position with hydro-pneumatic drill feed and clamping unit; 3-spindle boring head
FAZ 2800 Art. no. 255 20 63 07



Pneumatic height adjustment for lock cases (optional)
FAZ 2800 Art. no. 255 20 63 11



8-fold height adjustment (optional)
8-fold height adjustment for different screw driving heights
FAZ 2800 Art. no. 256 20 02 06 27



Folding stops (optional)
Stop rail with 14 folding stops for constant handle position (7x left, 7x right)
FAZ 2800 Art. no. 255 20 63 05



Table supporting surface with brush strip for FAZ 2800 (optional)
FAZ 2800 Art. no. 255 20 63 20



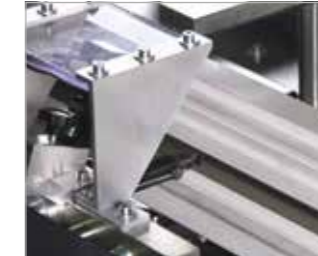
Screw feed unit
Screw feed unit with automatic screw feeding



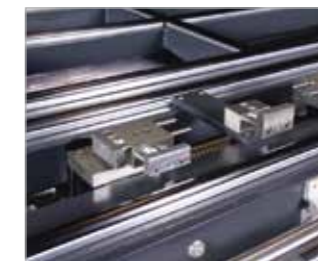
Lock case milling unit (optional)
Milling unit can be moved manually with stop for lock case milling. Cutter diameter 12 mm
FAZ 2800 Art. no. 255 20 63 46



Corner hinge drilling unit (optional)
Corner hinge drilling unit with adjustable 2-spindle boring head, pneumatic height adjustment, with stops for the left and right drilling positions
FAZ 2800 Art. no. 255 20 63 02



Laser unit (optional)
Laser for screw driving position
FAZ 2800 Art. no. 255 20 63 19



Stop block (optional)
Stop block for additional sash widths
FAZ 2800 Art. no. 255 20 63 00



Hardware rack (optional)
For orderly hardware storage at the sash assembly station
BR 40 Art. no. 255 20 63 66
BR 36 Art. no. 255 20 63 67

5.1 | SASH CENTRES

Sash assembly centre **FAZ 2800/60** Art. no. 255 00 55 60

Sash assembly centre for installing hardware on plastic window sashes

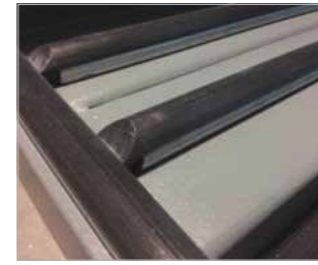
- Ergonomic screw driving of hardware in a very short time
- Sash assembly table for measuring and cutting to length of hardware components
- Optimisation of sash processing by bundling various work tasks at a single workstation
- Assembly table can be tilted pneumatically
- The sash, measurement and centring units can be moved pneumatically
- Gear cropper with stops for a centred or constant handle position
- Two stop blocks for different sash widths
- Mobile screwing unit with pneumatic height adjustment
- Screw feed unit
- Table supporting surface with plastic slide bars

Technical specifications

- Table length 2,900 mm
- Table width 1,400 mm
- Total length 3,400 mm
- Total width 2,000 mm
- Weight 400 kg
- Table height adjustable 850 – 1,000 mm
- Table inclination approx. 15°
- Sash inside dimensions approx. 280 – 2,300 mm
- Compressed air supply 7 bar
- Air consumption:
 - Screw driving unit approx. 250 l/min.
 - Clamping unit approx. 35 l/min.
- Screw dimensions:
 - Head diameters 5.0–9.0 mm
 - Shank diameters 3.5–4.5 mm
 - Length approx. 10.0 – 35.0 mm
- Power supply 230 V, 1~, 50 Hz
- Motor power of 0.5 kW at 850 rpm

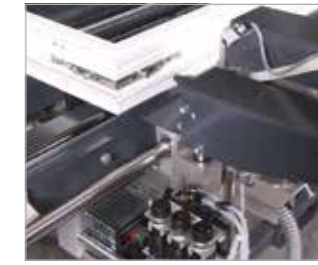


FAZ 2800/60



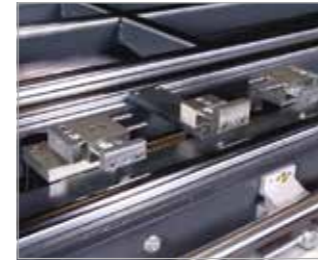
Supporting surface

Table supporting surface with plastic slide bars



Screwing unit

Mobile screwing unit with pneumatic height adjustment



Stop block

Two stop blocks for two sash widths



Gear cropper

Gear cropper with stops for a centred and consistent handle position. Gear cropper with open cutting tool



Screw feed unit

Screw feed unit with automatic screw feeding



Laser unit (optional)

Laser for screw driving position
FAZ 2800/60 Art. no. 255 20 63 69



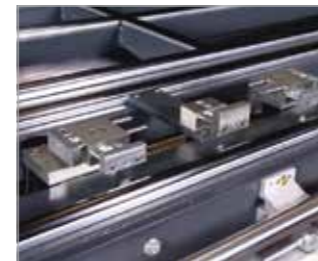
Corner hinge drilling unit (optional)

Corner hinge drilling unit with adjustable two-spindle boring head, pneumatic height adjustment, with stops for the left and right drilling positions
FAZ 2800/60 Art. no. 255 20 63 02



8-fold height adjustment (optional)

8-fold height adjustment for different screw driving heights
FAZ 2800/60 Art. no. 255 20 63 22



Stop block (optional)

Stop block for additional sash widths
FAZ 2800/60 Art. no. 255 20 63 00



Table supporting surface with brush strip for FAZ 2800 (optional)

FAZ 2800/60 Art. no. 255 20 63 20



Hardware rack (optional)

For orderly hardware storage at the sash assembly station
BR 40 Art. no. 255 20 63 66
BR 36 Art. no. 255 20 63 67



Screwing unit with mouthpiece with manual insertion funnel (optional)

Screwing unit with mouthpiece with manual insertion funnel for second screw length (aluminium profiles) FAZ 2800/60 Art. no. 255 20 63 24

5.2 | FRAME ASSEMBLY CENTRE

Frame assembly centre **RMZ 4000** Art. no. 258 00 58 00

- The innovative and highly efficient hardware drilling and screw driving station for frame hinges and pivots
- Work quickly and accurately – this machine enables an amazing productivity boost in window manufacturing
- Thanks to the easy handling and ergonomically designed work sequence, drilling, assembling, and screwing of the tilt/turn hinges can be performed by a single operator
- Due to the movable stop system, the time-consuming drilling of locating and screw holes with a template can be omitted
- The unit can be rotated by 90° for machining multi-sash frames
- The adjusting device can be positioned in the Y-direction using grid dimensions for drilling pivot bolts into multi-sash frames.
- The hinges and pivots are screwed to the closed frame by the vertical screwing feed unit which is manually moveable on moving carrier plates
- The unit is equipped with an automatic screw infeed, a screwdriver turbine for screwing self drilling screws, and a pneumatic screwing depth stop
- Pneumatic frame clamping and positioning device can be moved beyond table centre
- Frame rebate dimensions from 360 to 3,400 mm
- Two pneumatically lowerable rebate stops with revolver for up to four different frame depths
- Laser unit shows the screw driving position

Technical specifications

- | | |
|--|--|
| <ul style="list-style-type: none"> • Table length 4,040 mm • Table width 1,700 mm • Total length 4,220 mm • Total width 2,010 mm • Height 1,720 mm • Table height adjustable 950 – 1,050 mm • Frame dimension min. 560 x 200 mm • Frame dimension max. 3,800 x 1,700 mm • Profile height min. 54 mm • Max. profile height 110 mm • Weight 650 kg • Compressed air supply 7 bar | <ul style="list-style-type: none"> • Air consumption: <ul style="list-style-type: none"> - Screw driving unit approx. 250 l/min. - Clamping unit approx. 40 l/min. • Screw dimensions: <ul style="list-style-type: none"> - Head diameters 5.0–9.0 mm - Shank diameters 3.5–4.5 mm - Length approx. 10.0–35.0 mm • Power supply 230/400 V, 3~, 50 Hz • Motor power of 1.1 kW at 2,825 rpm |
|--|--|



Supporting surface

Table supporting surface with plastic slide bars



Rebate stops

Two pneumatically lowerable rebate stops with revolver for up to four different frame depths



Screwing unit

The unit is equipped with an automatic screw feed, a screwdriver turbine for screwing self drilling screws, and a pneumatic screwing depth stop. Laser unit shows the screw driving position



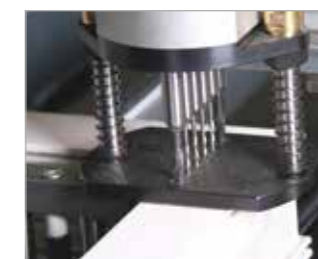
Stop system

Due to the movable stop system, the time-consuming drilling of locating and screw holes with a template can be omitted



Screw feed unit

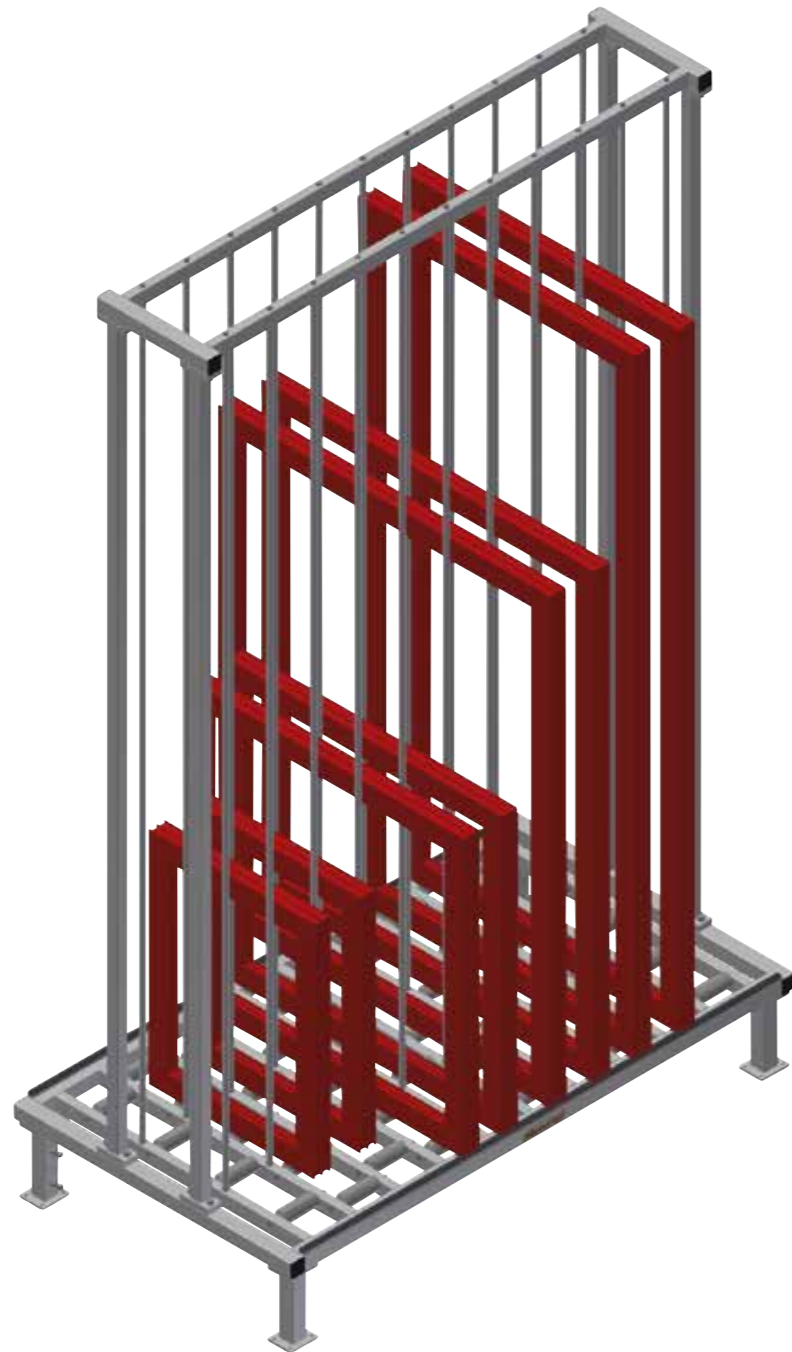
Screw feed unit with automatic screw feeding



Boring head (optional)

Can be equipped with a 2- or 6-spindle boring head
 2-spindle drilling head:
 Art. no. 258 20 56 10
 6-spindle boring head:
 Art. no. 258 20 56 11

6 | RACK SYSTEMS



Product overview	Product	Page
Hardware rack	BR 36	64
Hardware rack	BR 40	65
Sash rack	FFR 10	66
Frame rack	RFR 10	68
Frame rack	RFR 10/01	69
Frame rack	RFR 10/02	69
Sash sorting rack	FPRM 10	70
Glazing bead rack	GLR 5000	71

6.1 | RACK SYSTEMS

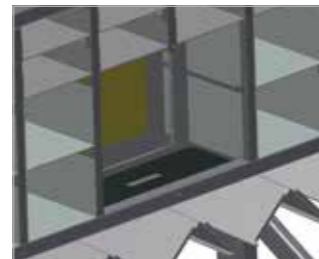
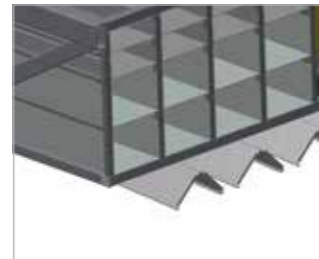
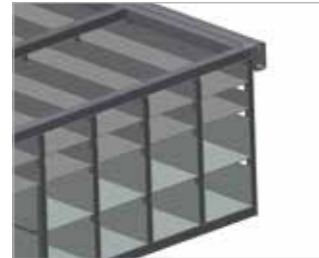
Hardware rack BR 36 Art. no. 255 20 63 67

Hardware rack with 36 compartments for orderly hardware storage at the sash assembly station

- Stable steel construction
- Hardware rack with 36 compartments
- With six angled supports for corner linkage gears
- Space for a monitor, with keyboard holder

Technical specifications

- Length 3,100 mm
- Width 1,525 mm
- Height 2,100 mm
- 36 compartments
- Lower compartment size 265 x 200 mm
- Upper compartment size 265 x 100 mm
- Safe load approx. 800 kg
- Weight 400 kg



Compartments

For orderly hardware storage at the sash assembly station. For quick access to hardware components

Angled supports

With six angled supports for corner linkage gears

Space for a monitor

Space for a monitor and a keyboard holder



BR 36

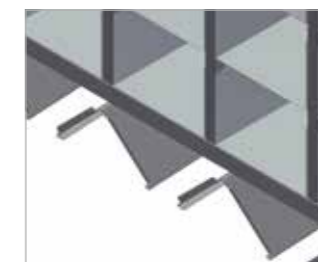
Hardware rack BR 40 Art. no. 255 20 63 66

Hardware rack with 40 compartments for orderly hardware storage at the sash assembly station

- Stable steel construction
- Hardware rack with 40 compartments
- With six angled supports for corner linkage gears

Technical specifications

- Length 3,100 mm
- Width 1,525 mm
- Height 2,100 mm
- 40 compartments
- Lower compartment size 265 x 200 mm
- Upper compartment size 265 x 100 mm
- Safe load approx. 800 kg
- Weight 400 kg



Compartments

For orderly hardware storage at the sash assembly station. For quick access to hardware components

Angled supports

With six angled supports for corner linkage gears



BR 40

6.2 | RACK SYSTEMS

Sash rack FFR 10 Art. no. 253 00 53 22

Rack for storage of window elements

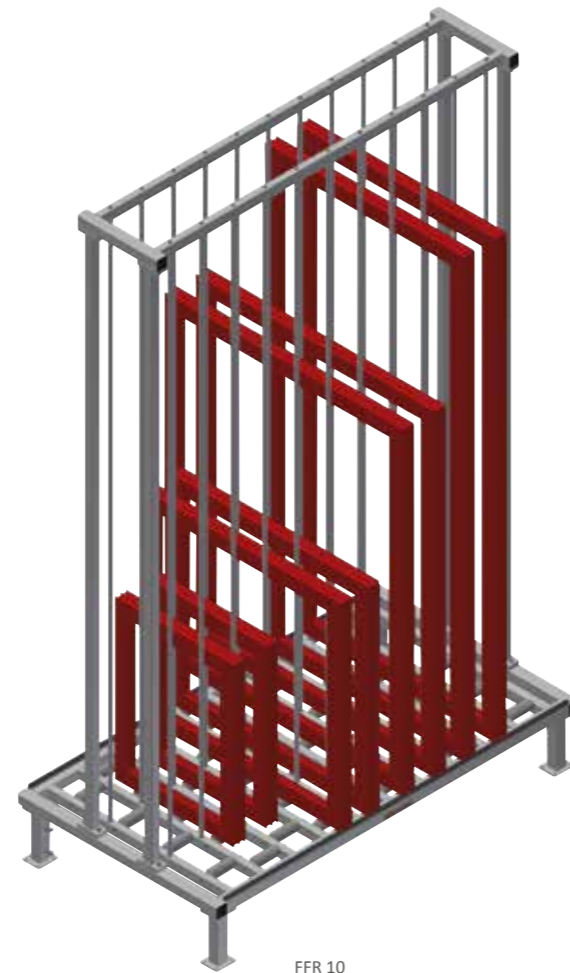
- Stable steel construction
- Rack for storage of window sashes
- The individual elements are available for direct access
- Specially designed for integration in assembly lines
- Access is possible from both sides
- Supporting surfaces with support rollers for even easier loading and unloading
- Compartment separating bars covered with protective tubing

Technical specifications

- | | |
|--------------------|-------------------------------|
| • Length 1,820 mm | • Compartment width 130 mm |
| • Width 1,000 mm | • Compartment height 2,600 mm |
| • Height 2,965 mm | • Weight 250 kg |
| • Ten compartments | • Load 800 kg |

Options

- Rollers and grip for RFR 10/FFR 10
- Profile protectors for support rollers (Alum.)

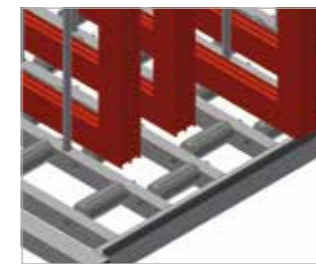


FFR 10



Compartments

All supporting surfaces have a non-slip PVC cladding which protects surfaces from damage during storage



Supports

Lower supporting surfaces with support rollers for easier loading and unloading



Castors (optional)

Rollers and grip for RFR 10/FFR 10. Two castors with brake and two fixed rollers provide mobility in all directions, roller diameter 125 mm
Art. no. 253 20 63 02



Profile protector

Profile protectors for support rollers 3x120 (Alum./48x), support rollers covered with protective tubing
Art. no. 252 20 63 02

6.2 | RACK SYSTEMS

Frame rack RFR 10 Art. no. 253 00 53 21

Rack for storage of frame elements

- Stable steel construction
- Rack for storage of frames
- The individual elements are available for direct access
- Specially designed for integration in assembly lines
- Access is possible from both sides
- Floor support equipped with knob profile
- Compartment separating bars covered with protective tubing

Technical specifications

- Length 1,650 mm
- Width 1,000 mm
- Height 2,965 mm
- Ten compartments
- Compartment width 130 mm
- Compartment height 2,600 mm
- Weight 230 kg
- Load 800 kg

Optional

- Rollers and grip for RFR 10/FFR 10

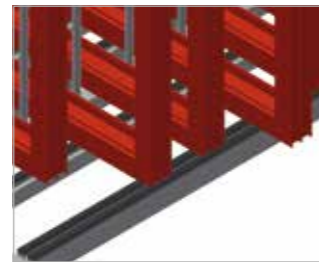


RFR 10



Compartments

All supporting surfaces have a non-slip PVC cladding which protects surfaces from damage during storage



Supports

Lower supporting surfaces with knob profile to protect profiles from damage



Castors (optional)

Rollers and grip for RFR 10/FFR 10 Two castors with brake and two fixed rollers provide mobility in all directions, roller diameter 125 mm
Art. no. 253 20 63 02

Frame rack RFR 10/01 Art. no. 253 00 53 33

- Stable steel construction
- Rack for storage of frames
- The individual elements are available for direct access
- Specially designed for integration in assembly lines
- Access is possible from both sides
- Floor support equipped with knob profile
- Compartment separating bars covered with protective tubing
- Supporting surface with rollers for even easier loading and unloading

Technical specifications

- Length 1,650 mm
- Width 1,620 mm
- Height 3,375 mm
- Ten compartments
- Compartment width 130 mm
- Compartment height 3,010 mm
- Weight 250 kg
- Load 800 kg

Frame rack RFR 10/02 Art. no. 253 00 53 34

See RFR 10/01, however:

Technical specifications

- Length 1,950 mm
- Compartment width 160 mm
- Weight 275 kg

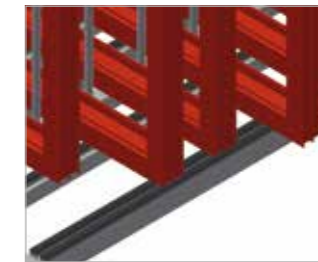


RFR 10/01



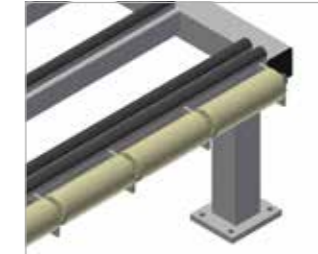
Compartments

All supporting surfaces have a non-slip PVC cladding which protects surfaces from damage during storage



Supports

Lower supporting surfaces with knob profile to protect profiles from damage



Rollers

Rollers are mounted to every compartment for even easier loading and unloading of heavy or large elements

6.3 | RACK SYSTEMS

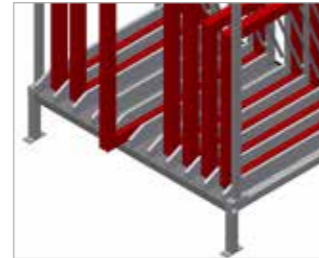
Sash sorting rack **FPRM 10** Art. no. 661 20 85 11

Rack for storage of window elements

- Stable steel construction
- Vertical sash sorting rack for sorting and depositing sash elements
- Sorting rack with ten compartments
- Fast access to the elements
- Plastic-coated compartment dividers
- Supporting surface with plastic sheet
- Special slide plate bearing surfaces enable ergonomic removal of the sash elements as needed

Technical specifications

- Length 1,520 mm
- Width 1,200 mm
- Height 3,000 mm
- Ten compartments
- Compartment width 120 mm
- Compartment height 2,650 mm
- Weight 300 kg
- Load 1,200 kg



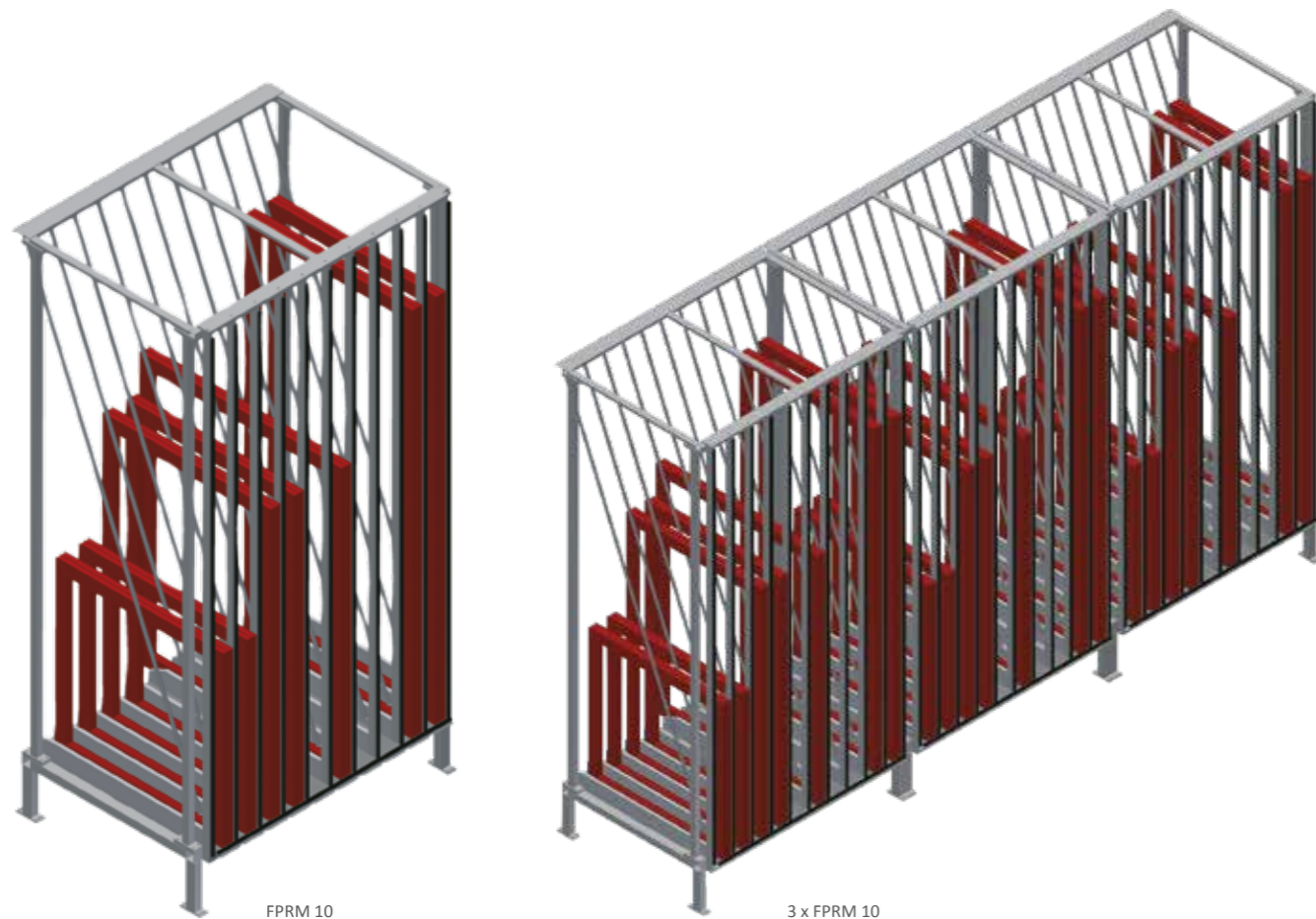
Bearing and guiding surfaces

Lower supporting surfaces with slide plates for easier loading and unloading, lower guiding surface with plastic sheet



Compartments

Plastic-coated compartment dividers



FPRM 10

3 x FPRM 10

Glazing bead rack **GLR 5000** Art. no. 253 00 53 36

- Stable steel construction
- Glazing bead rack for horizontal storage of aluminium and plastic glazing beads. Ideal for storing and sorting glazing beads, e.g. on the glazing bead saw
- Seven support arms are evenly spaced along the rack
- Four centre supports are adjustable
- Nine support arms are freely adjustable, giving variable support arm spacing
- Support arms are rubber coated
- Well-organised storage provides quick access

Technical specifications

- Length 5,000 mm
- Width 800 mm
- Height 2,200 mm
- Nine shelves
- Compartment depth 450 mm
- Clearance 185 mm
- Weight 200 kg
- Load 630 kg



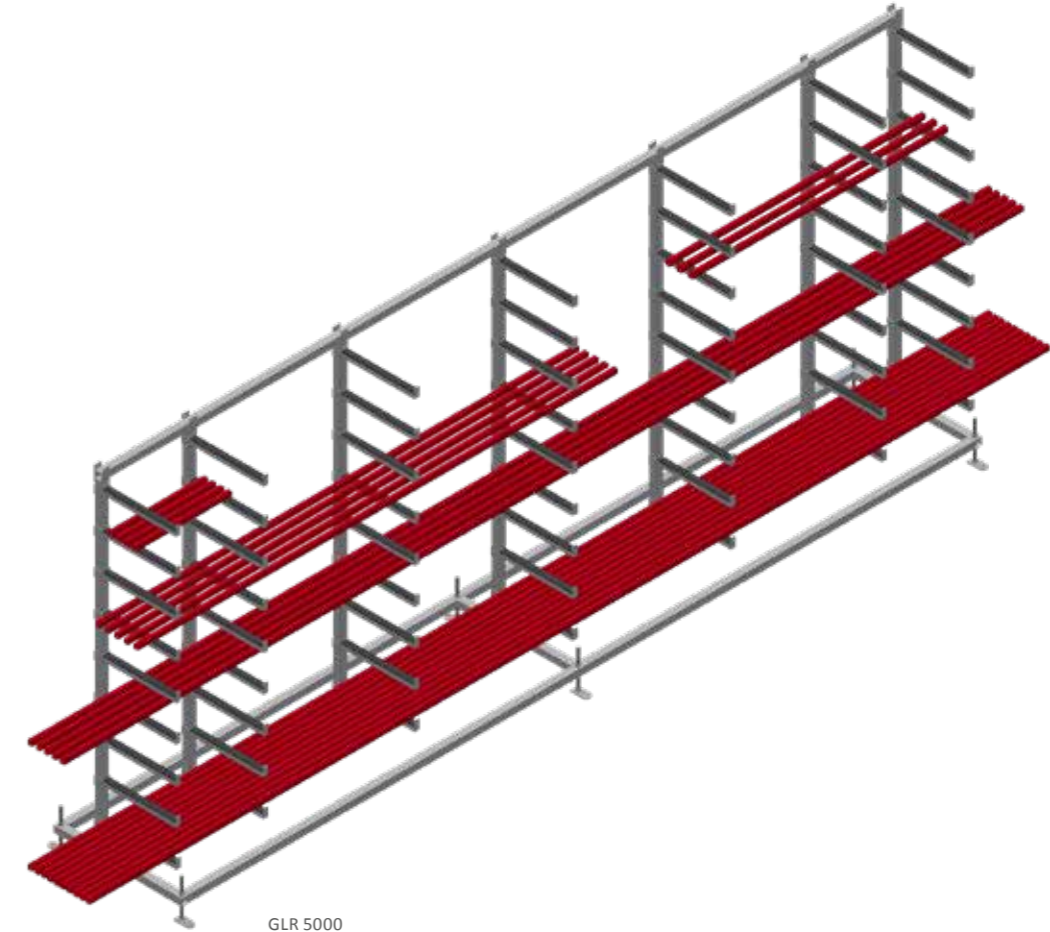
Support arms

Support arms are rubber coated. Centre upright is adjustable. Support arms are freely adjustable, giving variable support arm spacing



Hinged foot

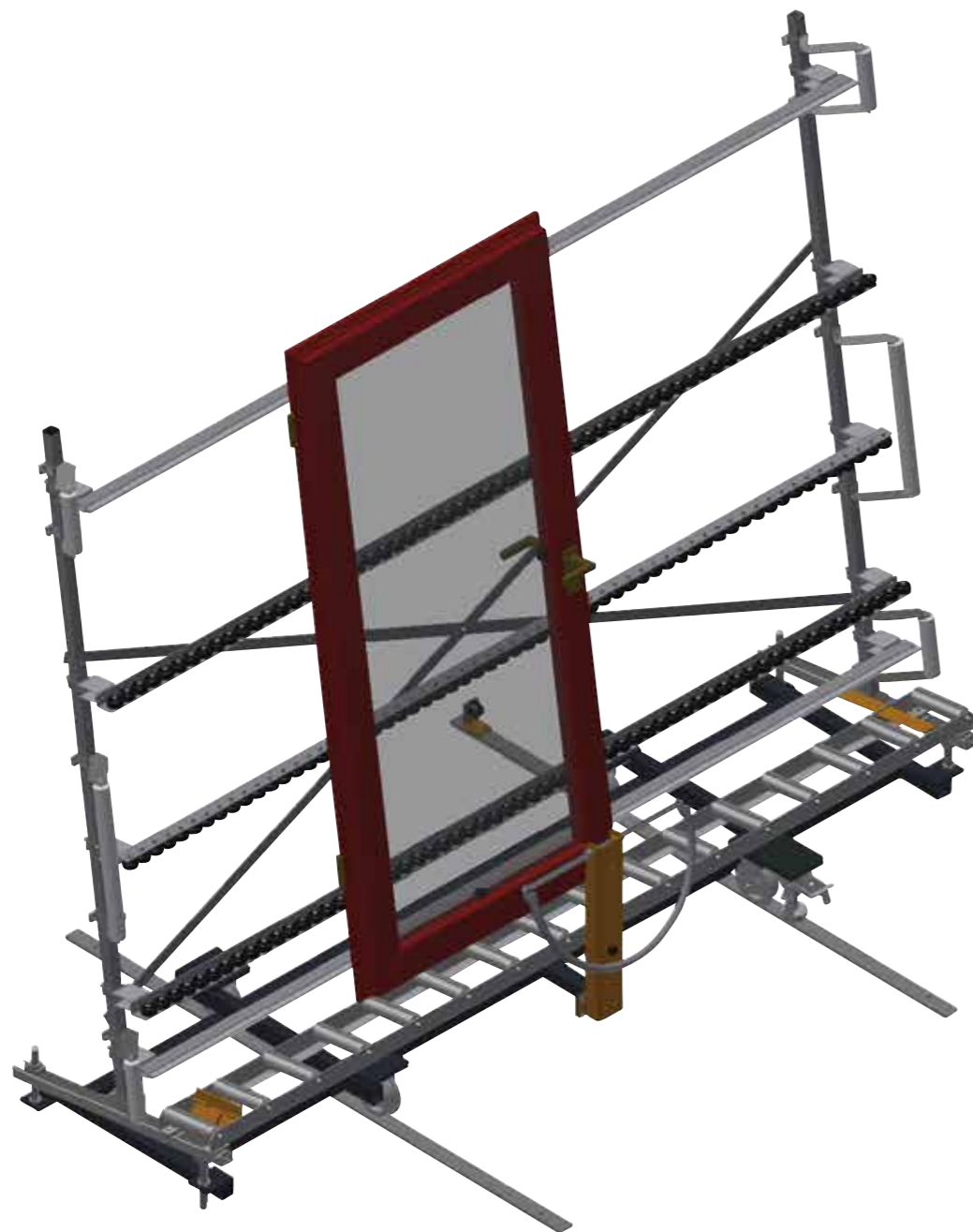
Working height can be adjusted by means of adjustable feet



GLR 5000

7 | ROLLER CONVEYORS

Transport and buffer systems ensure optimal material flow during production. Our vertical roller conveyor systems save space, are flexible and make a significant contribution to increasing your productivity.



Product overview	Product	Page
Vertical roller conveyor	VR 2000 3000 4000	74
Vertical roller conveyor	VR 2000 F 3000 F 4000 F	76
Vertical roller conveyor	VR 2003 3003 4003	78
Vertical roller conveyor	VR 2003 F 3003 F 4003 F	80
Vertical roller conveyor with mobility and rotation mechanism	VR 3000 DF 4000 DF	82
Vertical roller conveyor with mobility and rotation mechanism	VR 3003 DF 4003 DF	84

7 | VERTICAL ROLLER CONVEYORS

Vertical roller conveyor **VR 2000** Art. no. 252 00 52 08

Vertical roller conveyor for transportation and storage of window elements

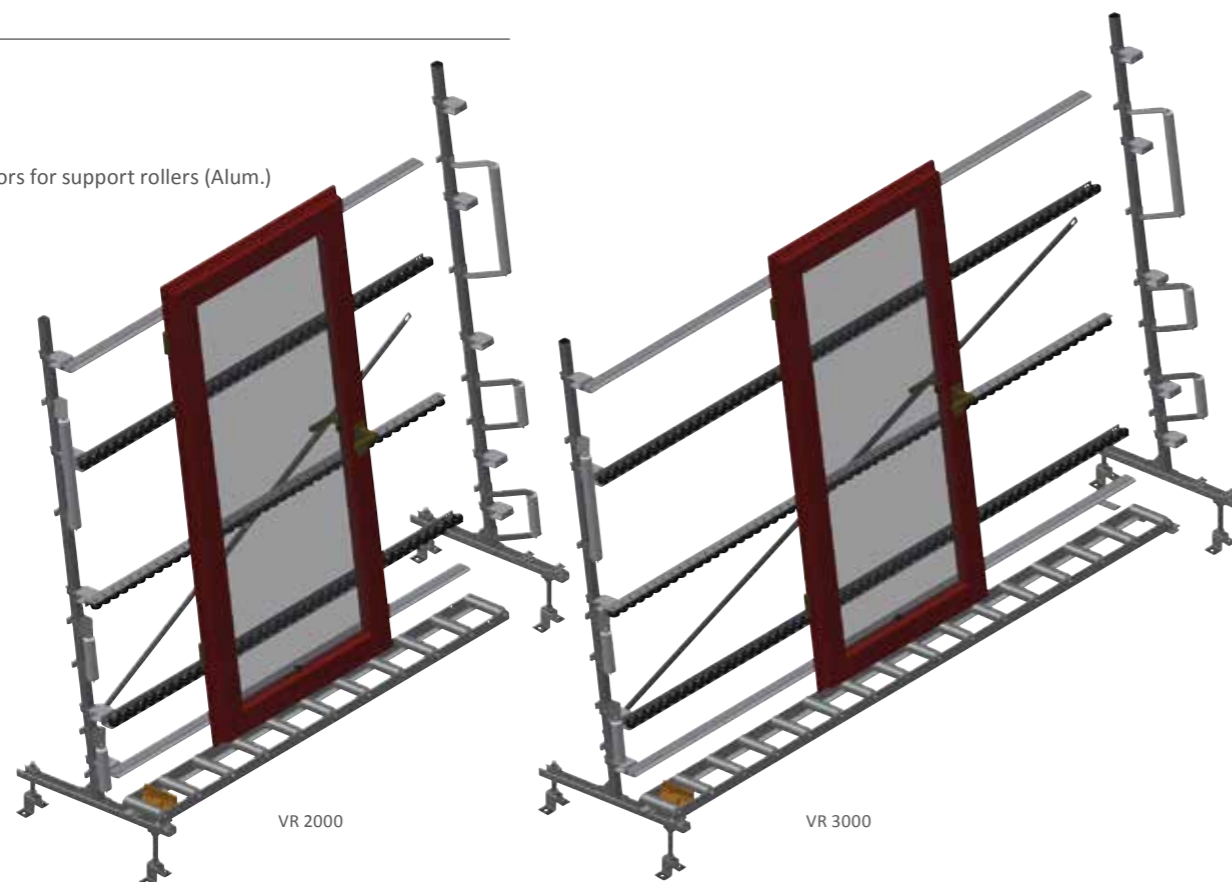
- Stable steel construction
- Expandable using modular system design
- Vertical roller conveyor for smooth transportation and storage of window elements
- Easy handling of window elements
- Every roller conveyor unit is 2,000 mm long
- Plastic slide bars top and bottom
- Three mini-roller conveyors with rubber rollers, diameter 50 mm
- Basic unit without end rack

Technical specifications

- Length 2,000 mm
- Width 900 mm
- Height 2,400 mm
- Support roller width 200 mm
- Unit height 2,100 mm
- Load 200 kg
- Weight 80 kg

Options

- End rack
- End stop
- Lead-in roller
- Profile protectors for support rollers (Alum.)



Vertical roller conveyor **VR 3000** Art. no. 252 00 52 02

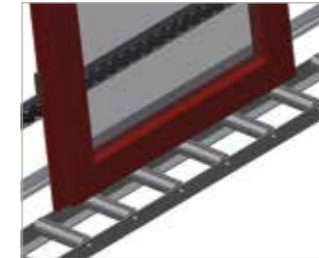
See **VR 2000**, however:

- Every roller conveyor unit is 3,000 mm long
- Length 3,000 mm
- Weight 120 kg

Vertical roller conveyor **VR 4000** Art. no. 252 00 52 23

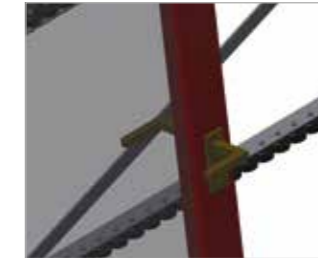
See **VR 2000**, however:

- Every roller conveyor unit is 4,000 mm long
- Length 4,000 mm
- Weight 200 kg



Support rollers

Rollers throughout, support roller width 200 mm. Roller conveyor units, 2,000 mm, 3,000 mm and 4,000 mm long



Mini-roller conveyor

Three mini-roller conveyors with rubber rollers, diameter 50 mm



Support

Rear support with plastic slide bars, top and bottom



Roller conveyor height adjustment

Lower roller conveyor height can be adjusted by means of adjustable feet



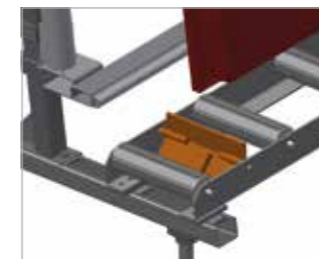
Mini-roller conveyor height adjustment

Mini-roller conveyor height is adjustable



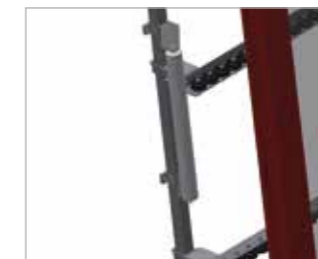
End rack

End rack for VR 2000/3000 is mandatory at end of line VR 2000/3000/4000 Art. no. 252 20 85 04



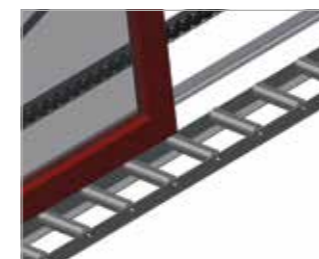
End stop

End stop Rb=200 mm for VR Art. no. 252 20 32 01



Lead-in roller

Protective rollers for beginning or end of roller conveyor L=500 mm (pair) Art. no. 252 20 97 02 L=250 mm (pair) Art. no. 252 20 97 03



Profile protector

Profile protectors for support rollers 200 mm (Alum./11x and Alum./16x). Support rollers covered with protective tubing VR 2000 Art. no. 252 20 63 04 VR 3000 Art. no. 252 20 63 01 VR 4000 Art. no. 252 20 63 03



Additional mini-roller conveyors

Additional mini-roller conveyors with rubber rollers top/bottom VR 2000 Art. no. 252 20 97 10 VR 3000 Art. no. 252 20 97 11 VR 4000 Art. no. 252 20 97 12

7 | VERTICAL ROLLER CONVEYORS

Vertical roller conveyor VR 2000 F Art. no. 252 00 52 09

Vertical roller conveyor for transportation of window elements

- Stable steel construction
- Vertical roller conveyor for smooth transportation to the next work task as well as for transportation to storage and sorting of the finished windows
- Easy handling of window elements
- Every roller conveyor unit is 2,000 mm long
- Plastic slide bars top and bottom
- Three mini-roller conveyors with rubber rollers, diameter 50 mm
- Basic unit with end rack
- Vertical roller conveyor on rails with flanged rollers, mobile

Technical specifications

- Length 2,000 mm
- Width 1,000 mm
- Height 2,490 mm
- Support roller width 200 mm
- Unit height 2,100 mm
- Load 200 kg
- Weight 100 kg

Options

- Rail, 2.0 m, left and right
- End stop
- Lead-in roller
- Profile protectors for support rollers (Alum.)

Vertical roller conveyor VR 3000 F Art. no. 252 00 52 11

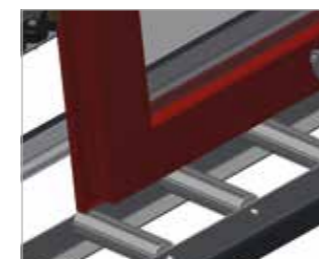
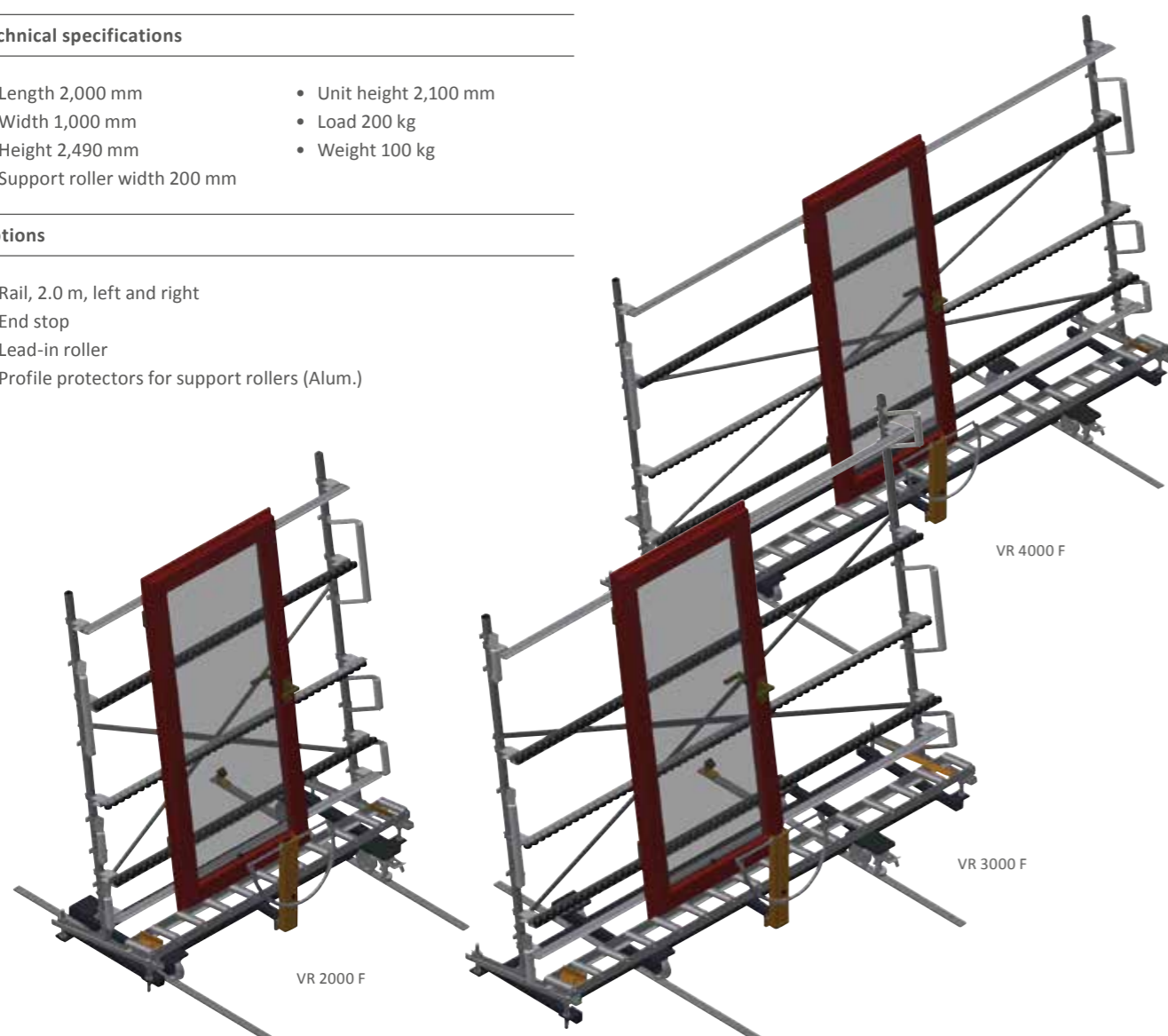
See VR 2000 F, however:

- Every roller conveyor unit is 3,000 mm long
- Length 3,000 mm
- Weight 140 kg

Vertical roller conveyor VR 4000 F Art. no. 252 00 52 12

See VR 2000 F, however:

- Every roller conveyor unit is 4,000 mm long
- Length 4,000 mm
- Weight 200 kg



Support rollers

Rollers throughout, support roller width 200 mm, Roller conveyor units 2,000 mm, 3,000 mm and 4,000 mm long



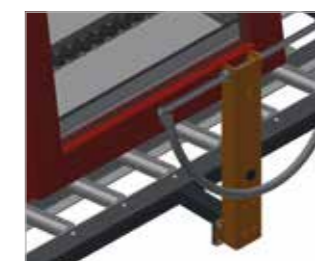
Mini-roller conveyor

Three mini-roller conveyors with rubber rollers, diameter 50 mm



Support

Rear support with plastic slide bars, top and bottom



Grip

Grip makes pushing the roller conveyor on the rails easy



Mobility unit

Mobility unit with flanged rollers and fixing brake



Rail

Rails, 2.0 m, left and right. Note: Please order the length of rails required Art. no. 252 20 09 00



End stop

End stop Rb = 200 mm for VR Art. no. 252 20 32 01



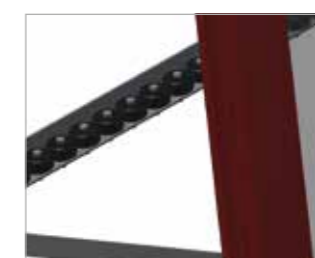
Lead-in roller

Protective rollers for beginning or end of roller conveyor L = 500 mm (pair) Art. no. 252 20 97 02 L = 250 mm (pair) Art. no. 252 20 97 03



Profile protector

Profile protectors for support rollers 200 mm (Alum./11 x, Alum./16 x and Alum./21 x). Support rollers covered with protective tubing VR 2000 F Art. no. 252 20 63 04 VR 3000 F Art. no. 252 20 63 01 VR 4000 F Art. no. 252 20 63 03



Additional mini-roller conveyors

Additional mini-roller conveyors with rubber rollers top/bottom VR 2000 Art. no. 252 20 97 10 VR 3000 Art. no. 252 20 97 11 VR 4000 Art. no. 252 20 97 12

7 | VERTICAL ROLLER CONVEYORS

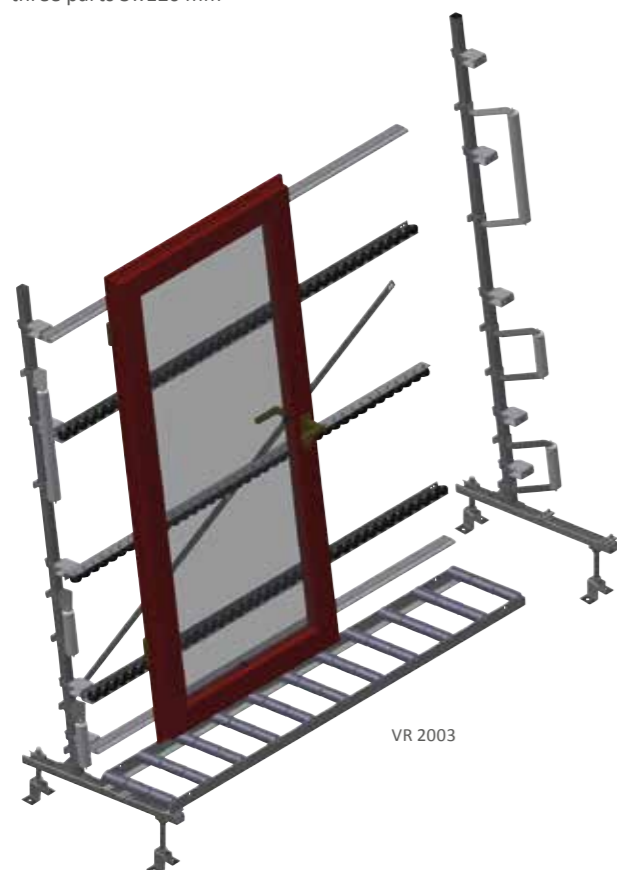
Vertical roller conveyor **VR 2003** Art. no. 252 00 52 14

Vertical roller conveyor for transportation and storage of window elements

- Stable steel construction
- Vertical roller conveyor for smooth transportation to the next work task as well as for transportation to storage and sorting of the finished windows
- Easy handling of window elements
- Every roller conveyor unit is 3,000 mm long
- Plastic slide bars top and bottom
- Three mini-roller conveyors with rubber rollers, diameter 50 mm
- Basic unit with end rack
- Vertical roller conveyor on rails with flanged rollers, mobile

Technical specifications

- Length 2,000 mm
- Width 900 mm
- Height 2,400 mm
- Support rollers divided into three parts 3x120 mm
- Unit height 2,100 mm
- Load 200 kg
- Weight 100 kg



VR 2003

Options

- End rack
- End stop
- Lead-in roller
- Profile protectors for support rollers (Alum.)

Vertical roller conveyor **VR 3003** Art. no. 252 00 52 13

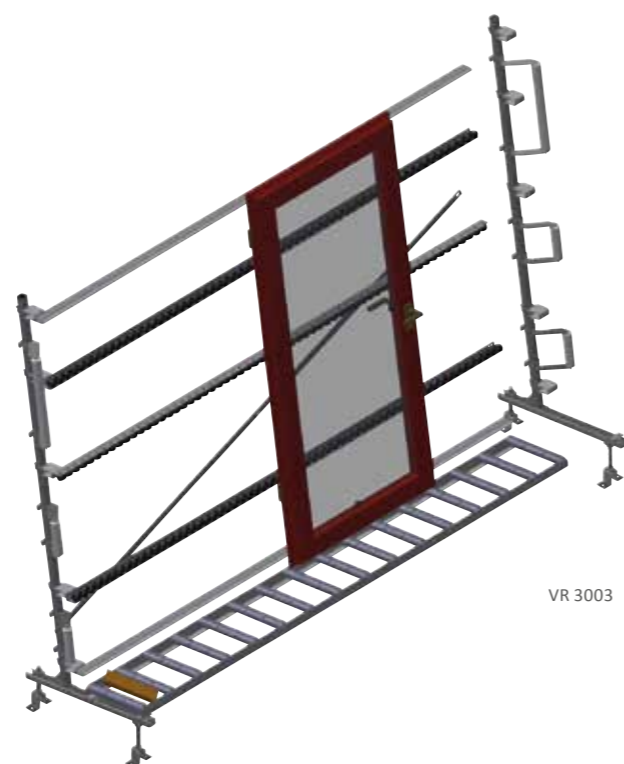
See **VR 2003**, however:

- Every roller conveyor unit is 3,000 mm long
- Length 3,000 mm
- Weight 120 kg

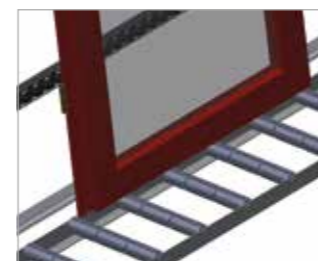
Vertical roller conveyor **VR 4003** Art. no. 252 00 52 22

See **VR 2003**, however:

- Every roller conveyor unit is 4,000 mm long
- Length 4,000 mm
- Weight 220 kg



VR 3003



Support rollers

Rollers throughout, support rollers divided into 3 parts 3x120 mm
Roller conveyor units, 2,000 mm, 3,000 mm and 4,000 mm long



Support

Rear support with plastic slide bars, top and bottom



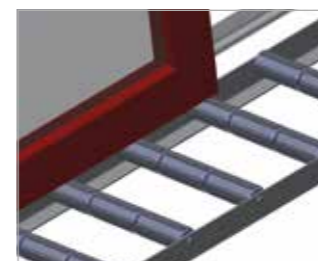
Mini-roller conveyor height adjustment

Mini-roller conveyor height is adjustable



End stop

End stop Rb=3 x 120 mm for VR
Art. no. 252 20 32 02



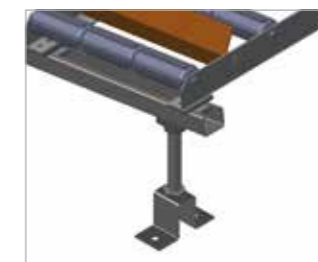
Profile protector

Profile protectors for support rollers 3x120 mm (Alum./33x and Alum./48x). Support rollers covered with protective tubing
VR 2003 Art. no. 252 20 63 05
VR 3003 Art. no. 252 20 63 02
VR 4003 Art. no. 252 20 63 07



Mini-roller conveyor

Three mini-roller conveyors with rubber rollers, diameter 50 mm



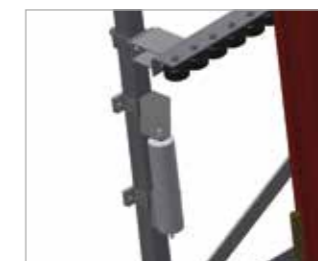
Roller conveyor height adjustment

Lower roller conveyor height can be adjusted by means of adjustable feet



End rack

End rack for VR 2003/3003/4003 is mandatory at end of line
Art. no. 252 20 85 03



Lead-in roller

Protective rollers for beginning or end of roller conveyor
L=500 mm (pair)
Art. no. 252 20 97 02
L=250 mm (pair)
Art. no. 252 20 97 03



Additional mini-roller conveyors

Additional mini-roller conveyors with rubber rollers top/bottom
VR 2000 Art. no. 252 20 97 10
VR 3000 Art. no. 252 20 97 11
VR 4000 Art. no. 252 20 97 12

7 | VERTICAL ROLLER CONVEYORS

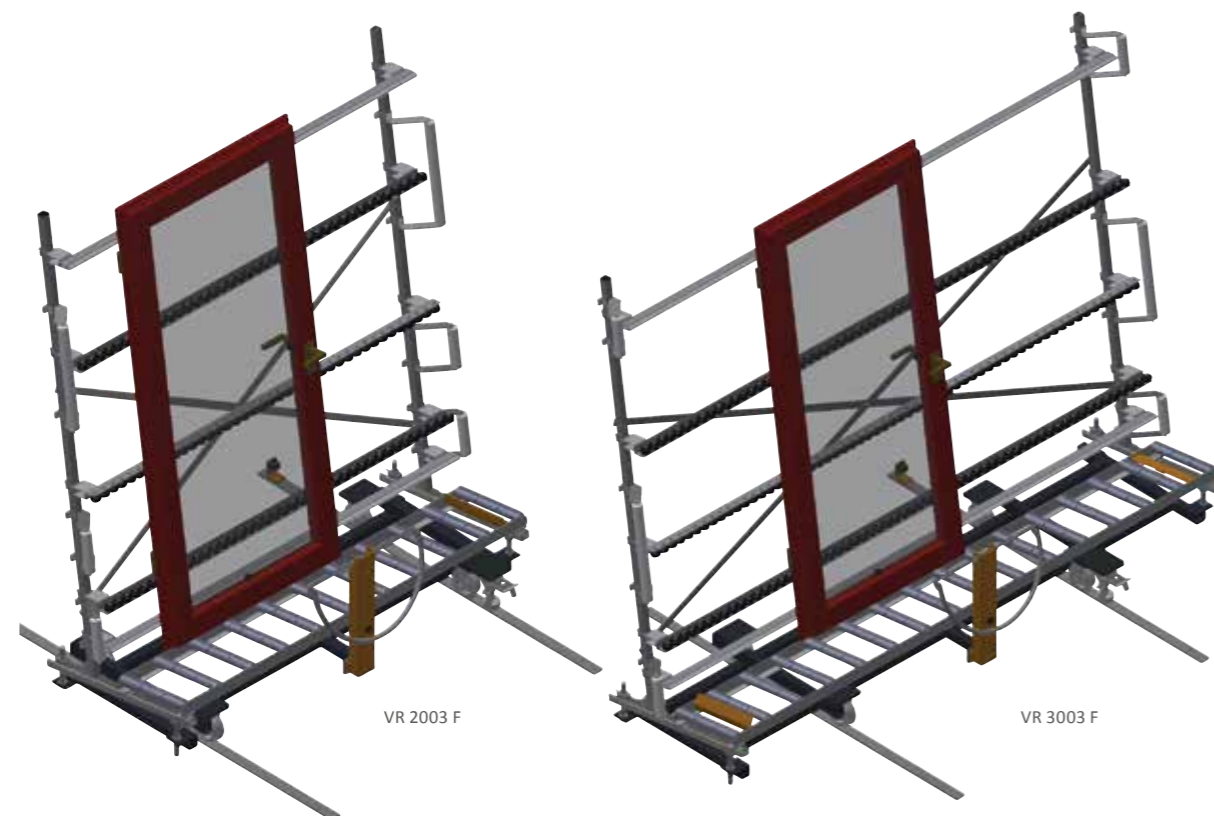
Vertical roller conveyor **VR 2003 F** Art. no. 252 00 52 17

Vertical roller conveyor for transportation of window elements

- Stable steel construction
- Vertical roller conveyor for smooth transportation to the next work task as well as for transportation to storage and sorting of the finished windows
- Easy handling of window elements
- Every roller conveyor unit is 2,000 mm long
- Plastic slide bars top and bottom
- Three mini-roller conveyors with rubber rollers, diameter 50 mm
- Basic unit with end rack
- Vertical roller conveyor on rails with flanged rollers, mobile

Technical specifications

- Length 2,000 mm
- Width 1,000 mm
- Height 2,490 mm
- Support rollers divided into three parts 3x120 mm
- Unit height 2,100 mm
- Load 200 kg
- Weight 120 kg



Options

- Rail, 2.0 m, left and right
- End stop
- Lead-in roller
- Profile protectors for support rollers (Alum.)

Vertical roller conveyor **VR 3003 F** Art. no. 252 00 52 15

See **VR 2003 F**, however:

- Every roller conveyor unit is 3,000 mm long
- Length 3,000 mm
- Weight 180 kg

Vertical roller conveyor **VR 4003 F** Art. no. 252 00 52 16

See **VR 2003 F**, however:

- Every roller conveyor unit is 4,000 mm long
- Length 4,000 mm
- Weight 200 kg



Support rollers

Rollers throughout, support rollers divided into 3 parts 3x120 mm Roller conveyor units, 2,000 mm, 3,000 mm and 4,000 mm long



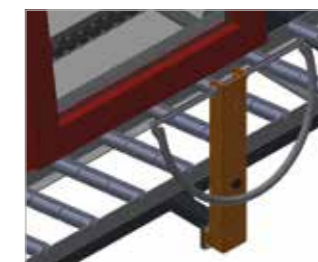
Mini-roller conveyor

Three mini-roller conveyors with rubber rollers, diameter 50 mm



Support

Rear support with plastic slide bars, top and bottom



Grip

Grip makes pushing the roller conveyor on the rails easy



Mobility unit

Mobility unit with flanged rollers and fixing brake



Rail

Rails, 2.0 m, left and right.
Note: Please order the length of rails required
Art. no. 252 20 09 00



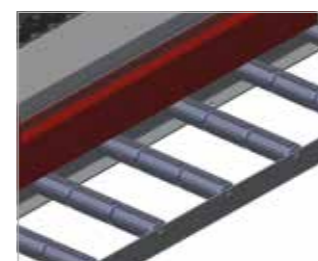
End stop

End stop Rb=3 x 120 mm for VR
Art. no. 252 20 32 02



Lead-in roller

Protective rollers for beginning or end of roller conveyor
L=500 mm (pair)
Art. no. 252 20 97 02
L=250 mm (pair)
Art. no. 252 20 97 03



Profile protector

Profile protectors for support rollers 3 x 120 mm (Alum./33x, Alum./48x and Alum./63). Support rollers covered with protective tubing
VR 2003 F Art. no. 252 20 63 05
VR 3003 F Art. no. 252 20 63 02
VR 4003 F Art. no. 252 20 63 07



Additional mini-roller conveyors

Additional mini-roller conveyors with rubber rollers top/bottom
VR 2000 Art. no. 252 20 97 10
VR 3000 Art. no. 252 20 97 11
VR 4000 Art. no. 252 20 97 12

7 | VERTICAL ROLLER CONVEYORS

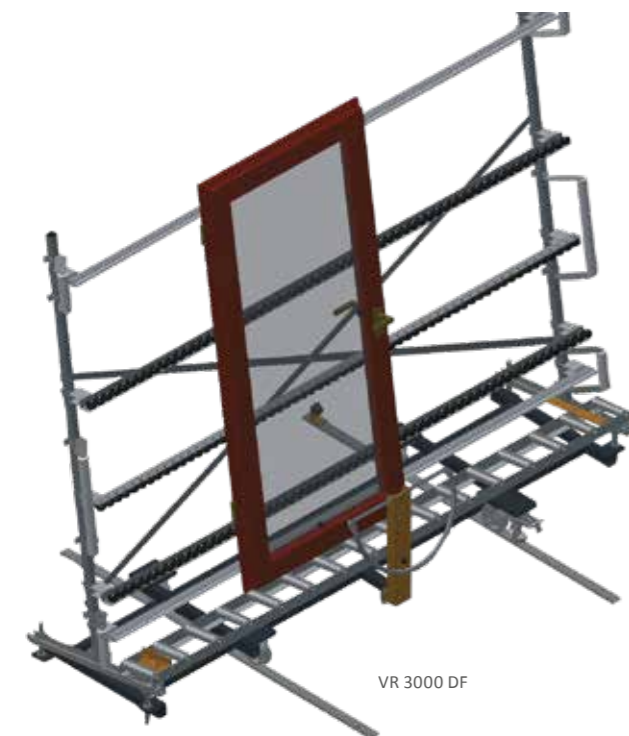
Vertical roller conveyor with mobility and rotation mechanism **VR 3000 DF** Art. no. 252 00 52 18

Vertical roller conveyor for transportation of window elements

- Stable steel construction
- Vertical roller conveyor for smooth transportation to the next work task as well as for transportation to storage and sorting of the finished windows
- Easy handling of window elements
- Every roller conveyor unit is 3,000 mm long
- Plastic slide bars top and bottom
- Three mini-roller conveyors with rubber rollers, diameter 50 mm
- Basic unit with end rack
- Vertical roller conveyor on rails with flanged rollers, mobile
- Roller conveyor can be rotated 360°

Technical specifications

- Length 3,000 mm
- Width 1,000 mm
- Height 2,490 mm
- Support roller width 200 mm
- Unit height 2,100 mm
- Load 200 kg
- Weight 180 kg



VR 3000 DF

Options

- Rail, 2.0 m, left and right
- End stop
- Lead-in roller
- Profile protectors for support rollers (Alum.)

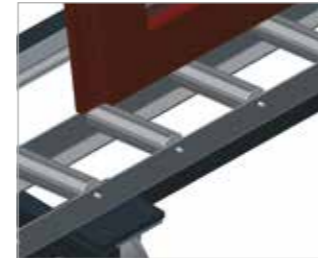
Vertical roller conveyor with mobility and rotation mechanism **VR 4000 DF** Art. no. 252 00 52 20

See **VR 3000 DF**, however:

- Every roller conveyor unit is 4,000 mm long
- Length 4,000 mm
- Weight 220 kg

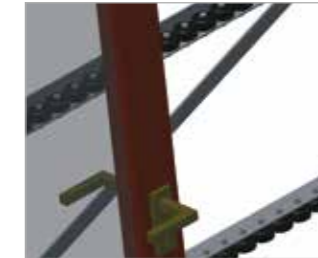


VR 4000 DF



Support rollers

Rollers throughout, support roller width 200 mm, Roller conveyor units, 3,000 and 4,000 mm long



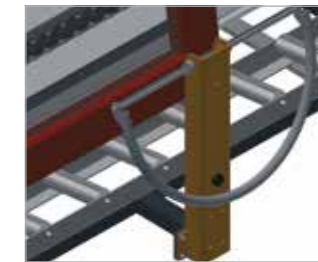
Mini-roller conveyor

Three mini-roller conveyors with rubber rollers, diameter 50 mm



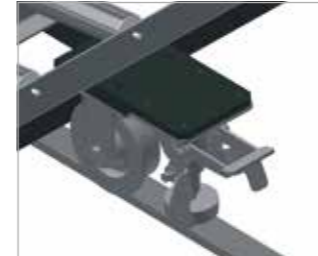
Support

Rear support with plastic slide bars, top and bottom



Grip

Grip makes pushing the roller conveyor on the rails easy



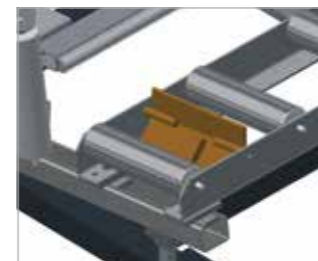
Mobility unit

Mobility unit with flanged rollers and fixing brake



Rail

Rails, 2.0 m, left and right. Note: Please order the length of rails required Art. no. 252 20 09 00



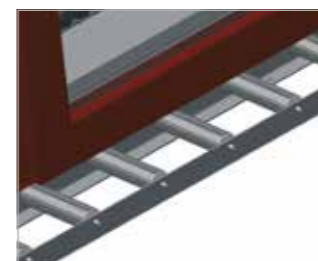
End stop

End stop Rb = 200 mm for VR Art. no. 252 20 32 01



Lead-in roller

Protective rollers for beginning or end of roller conveyor L = 500 mm (pair) Art. no. 252 20 97 02 L = 250 mm (pair) Art. no. 252 20 97 03



Profile protector

Profile protectors for support rollers 200 mm (Alum./16x and Alum./21x). Support rollers covered with protective tubing VR 3000 DF Art. no. 252 20 63 01 VR 4000 DF Art. no. 252 20 63 03



Additional mini-roller conveyors

Additional mini-roller conveyors with rubber rollers top/bottom VR 3000 Art. no. 252 20 97 11 VR 4000 Art. no. 252 20 97 12

7 | VERTICAL ROLLER CONVEYORS

Vertical roller conveyor with mobility and rotation mechanism **VR 3003 DF** Art. no. 252 00 52 19

Vertical roller conveyor for transportation of window elements

- Stable steel construction
- Vertical roller conveyor for smooth transportation to the next work task as well as for transportation to storage and sorting of the finished windows
- Easy handling of window elements
- Every roller conveyor unit is 3,000 mm long
- Plastic slide bars top and bottom
- Three mini-roller conveyors with rubber rollers, diameter 50 mm
- Basic unit with end rack
- Vertical roller conveyor on rails with flanged rollers, mobile
- Roller conveyor can be rotated 360°

Technical specifications

- Length 3,000 mm
- Width 1,000 mm
- Height 2,490 mm
- Support rollers divided into three parts 3x120 mm
- Unit height 2,100 mm
- Load 200 kg
- Weight 200 kg



VR 3003 DF

Options

- Rail, 2.0 m, left and right
- End stop
- Lead-in roller
- Profile protectors for support rollers (Alum.)

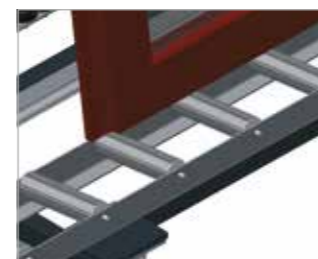
Vertical roller conveyor with mobility and rotation mechanism **VR 4003 DF** Art. no. 252 00 52 21

See **VR 3003 DF**, however:

- Every roller conveyor unit is 4,000 mm long
- Length 4,000 mm
- Weight 240 kg



VR 4003 DF



Support rollers

Rollers throughout, support rollers divided into 3 parts 3x120 mm
Roller conveyor units, 3,000 and 4,000 mm long



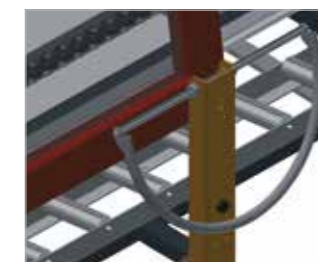
Mini-roller conveyor

Three mini-roller conveyors with rubber rollers, diameter 50 mm



Support

Rear support with plastic slide bars, top and bottom



Grip

Grip makes pushing the roller conveyor on the rails easy



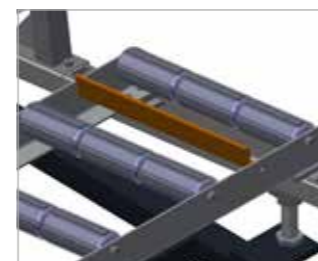
Mobility unit

Mobility unit with flanged rollers and fixing brake



Rail

Rails, 2.0 m, left and right.
Note: Please order the length of rails required
Art. no. 252 20 09 00



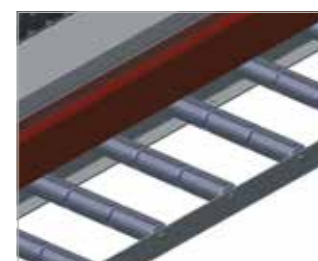
End stop

End stop Rb=3x120 mm for VR
Art. no. 252 20 32 02



Lead-in roller

Protective rollers for beginning or end of roller conveyor
L=500 mm (pair)
Art. no. 252 20 97 02
L=250 mm (pair)
Art. no. 252 20 97 03



Profile protector

Profile protectors for support rollers 3x120 mm (Alum./48x and Alum./63x). Support rollers covered with protective tubing
VR 3003 DF Art. no. 252 20 63 02
VR 4003 DF Art. no. 252 20 63 07

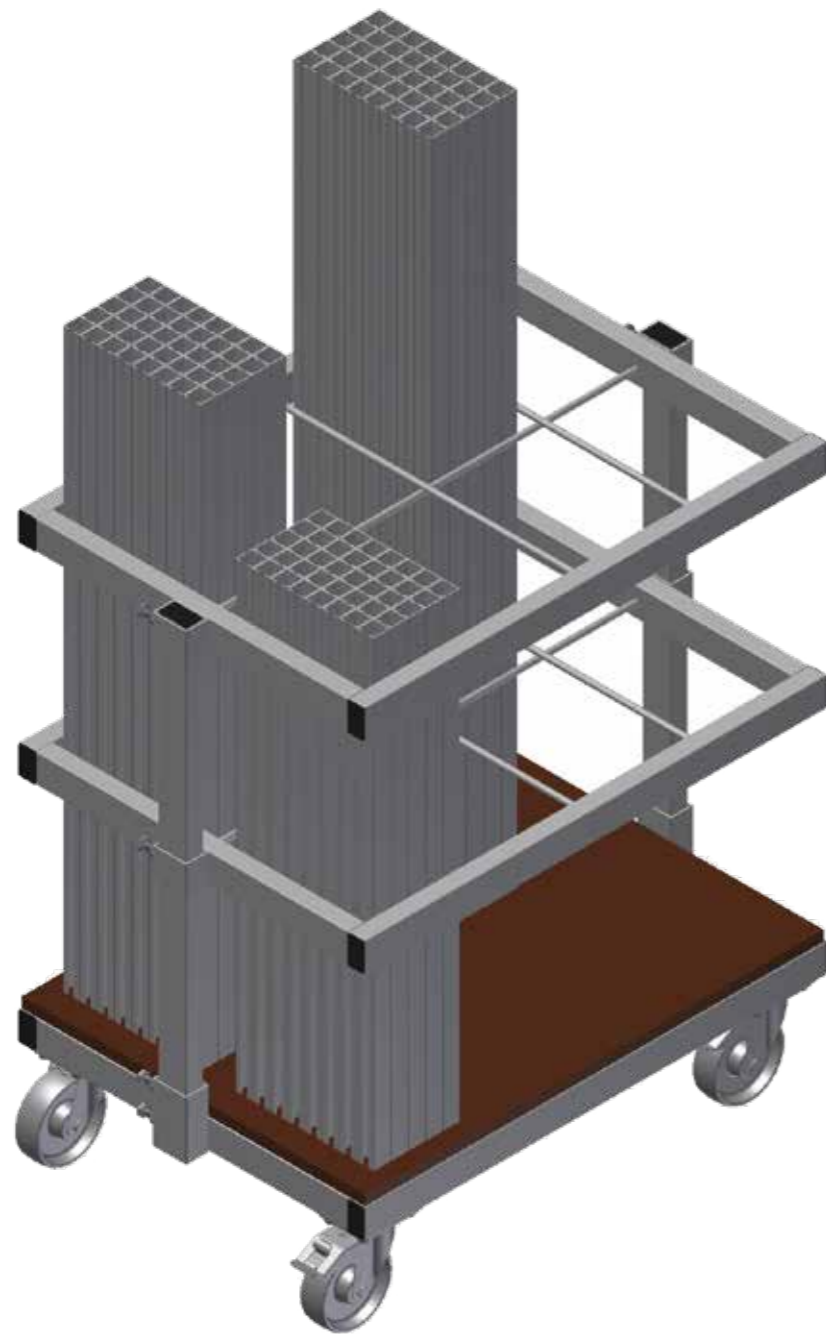


Additional mini-roller conveyors

Additional mini-roller conveyors with rubber rollers top/bottom
VR 3000 Art. no. 252 20 97 11
VR 4000 Art. no. 252 20 97 12

8 | TRANSPORT TROLLEYS

Perfect interaction between material supply, transportation and commissioning is one of the important prerequisites for a trouble-free and economical logistics and production process. With our universal transport trolleys, you can deal with this challenge beautifully and ensure that you always have all of the materials, such as profiles, reinforcement, gaskets, glass and glazing beads, at the right place at the right time.



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8.1 | REINFORCEMENT TROLLEYS

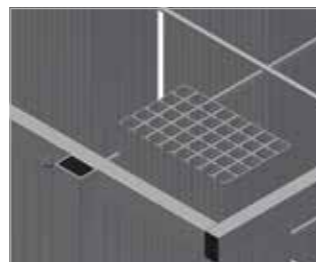
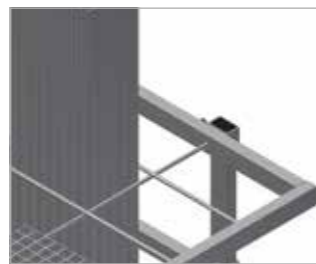
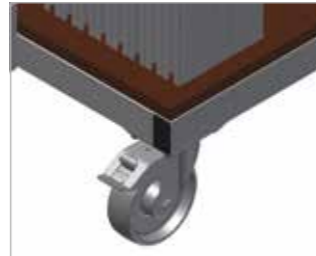
Reinforcement transport trolley AW 800 Art. no. 253 00 53 05

Trolley for transporting and providing a sorted selection of cut-to-length reinforcement profiles

- Stable steel construction
- Vertical storage and transportation of steel profiles
- Compact outside dimensions
- Well-organised arrangement of fixed-length profiles
- Four castors, two of which have a fixing brake

Technical specifications

- Length 800 mm
- Width 600 mm
- Height 960 mm
- Six compartments
- Weight 35 kg
- Load 400 kg
- Roller diameter 125 mm



Castors

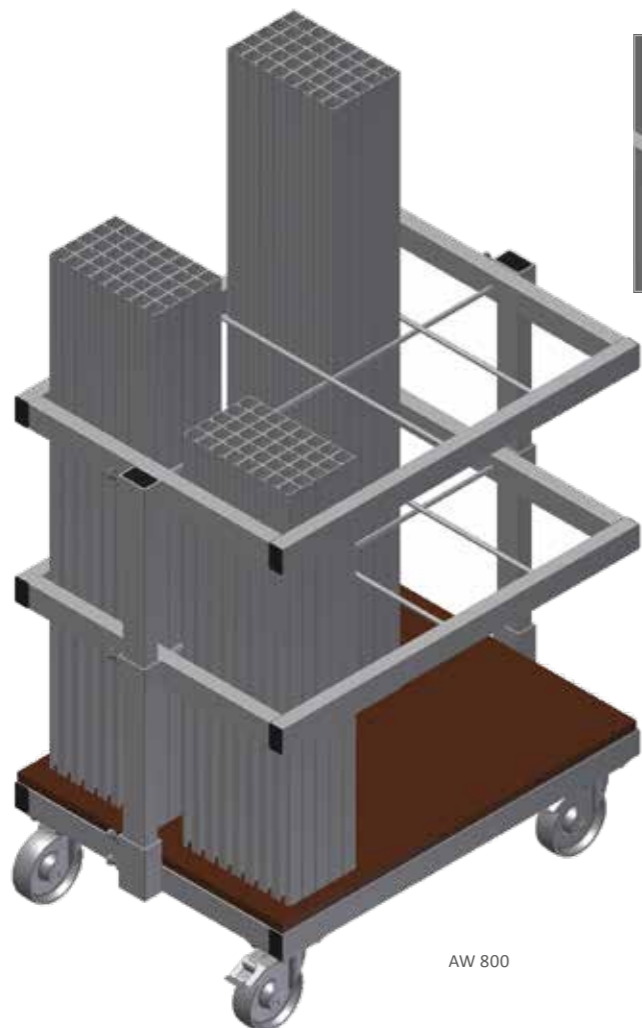
Four castors, two of which have a fixing brake, provide a high degree of mobility and easy, safe handling

Compartments

Six compartments, compartment size 190 x 265 mm

Grid frame

Two grid frames with height adjustment



AW 800

Reinforcement trolley AW 1100 Art. no. 253 00 53 27

Rack for providing a sorted selection of cut-to-length reinforcement profiles

- Stable steel construction
- Vertical storage of steel profiles
- Compact outside dimensions
- Well-organised arrangement of fixed-length profiles
- Transportable with forklift truck

Technical specifications

- Length 1,100 mm
- Width 900 mm
- Height 1,100 mm
- 20 compartments
- Weight 80 kg
- Load 600 kg

Optional

- Mobile as trolley on request – castors compl.



Compartments

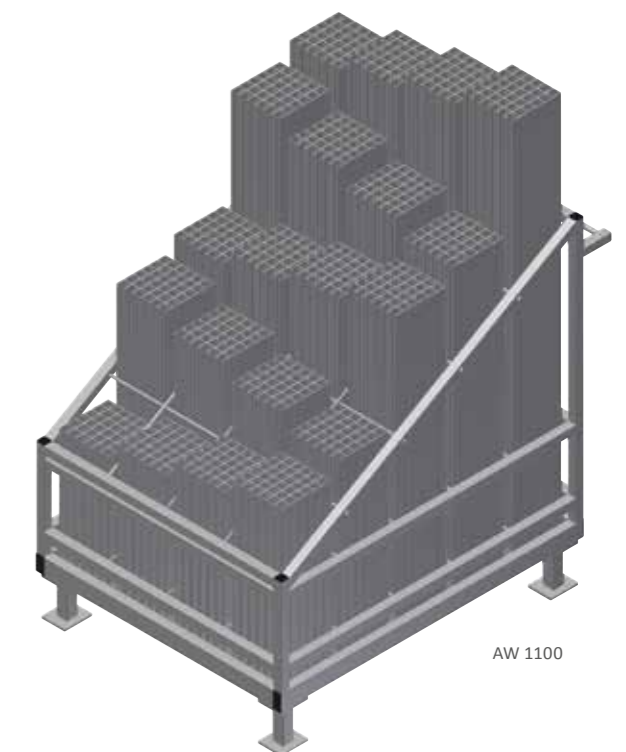
20 compartments, compartment size 200 x 200 mm

Castors, compl.

Two castors with brake and two fixed rollers provide mobility in all directions, roller diameter 125 mm
Art. no. 250 20 97 00



AW 1100



AW 1100

8.2 | HARDWARE TROLLEYS

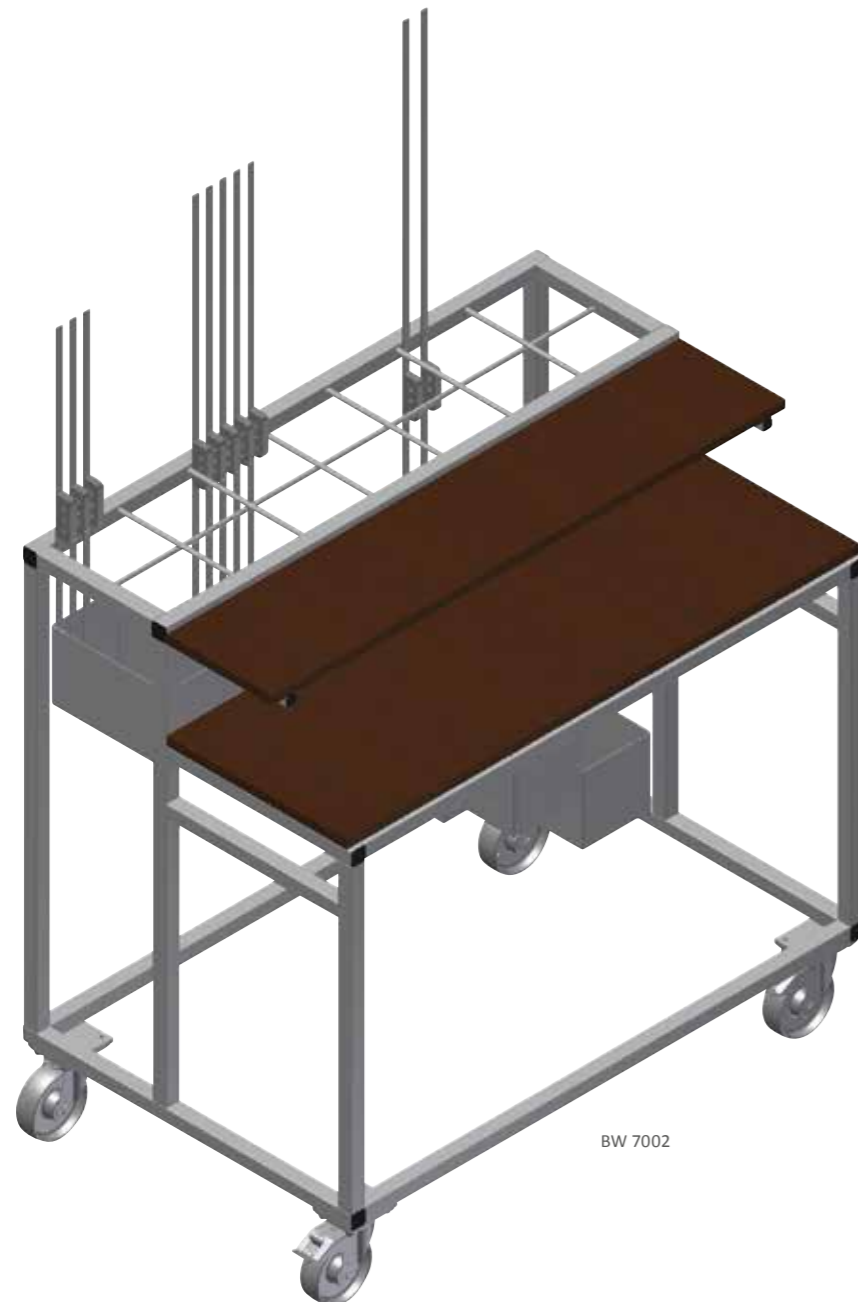
Hardware trolley **BW 7002** Art. no. 253 00 53 20

Hardware trolley for providing an organised arrangement of hardware

- Stable steel construction
- Two wooden shelves
- Equipped for the mounting of a punch press
- Four castors, two of which have a fixing brake

Technical specifications

- Length 1,110 mm
- Width 710 mm
- Height 1,090 mm
- Seven compartments
- Weight 50 kg
- Load 300 kg
- Roller diameter 125 mm



Castors

Four castors, two of which have a fixing brake, provide a high degree of mobility and easy, safe handling



Compartments

Seven compartments for hardware, arranged in steps for different lengths, compartment size 190 x 265 mm



Storage area

Two storage areas for setting down tools and accessories

8.3 | GASKET TROLLEYS

Gasket trolley DW 2 Art. no. 253 00 53 30

Gasket trolley for gasket reels

- Stable steel construction
- Two reel mounts
- Indispensable for gasket insertion
- Adjustable for any reel diameter
- Tool tray
- Four castors, two of which have a fixing brake

Technical specifications

- Length 700 mm
- Width 700 mm
- Height 1,005 mm
- Two reel mounts
- Max. reel diameter 750 mm
- Max. reel width 250 mm
- Weight 25 kg
- Roller diameter 125 mm

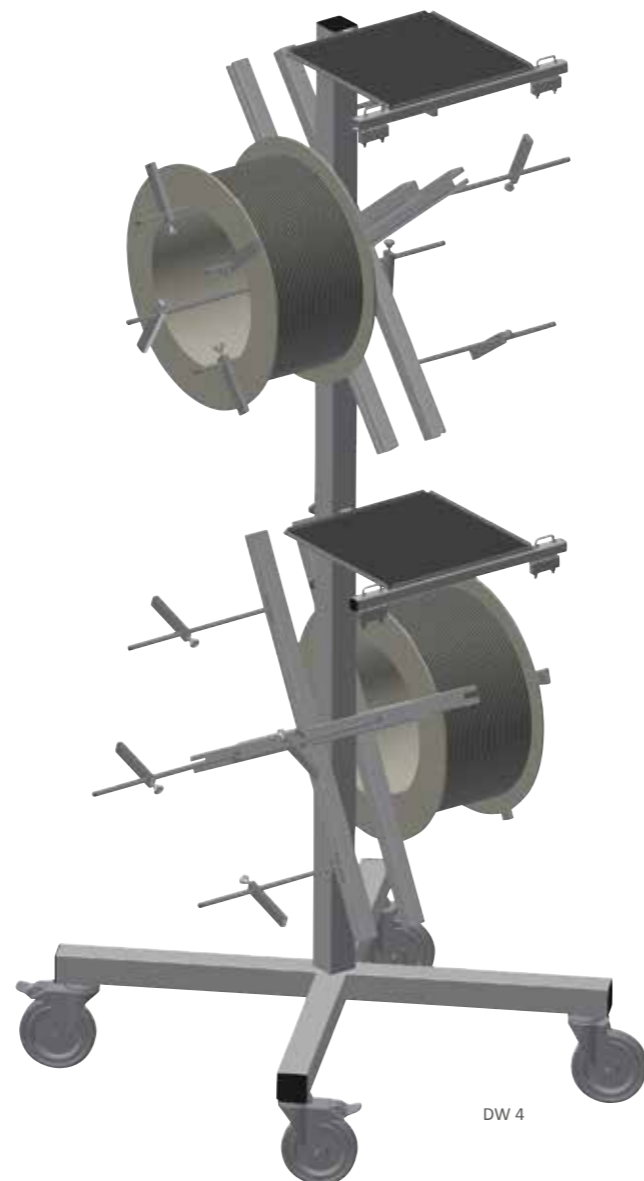


DW 2

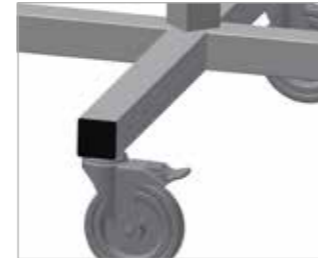
Gasket trolley DW 4 Art. no. 253 00 53 31

See DW 2, however:

- Height 1,870 mm
- Four reel mounts
- Weight 40 kg



DW 4



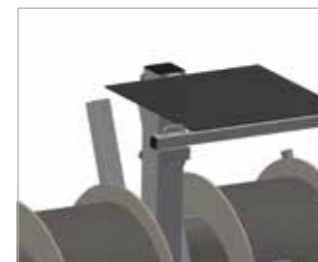
Castors

Four castors, two of which have a fixing brake, provide a high degree of mobility and easy, safe handling



Reel mounts

For two (DW 2) or four (DW 4) gasket reels. Mounts adjustable for any reel size



Storage area for tools

Practical tool tray located at working height



Unwinding brake

Unwinding brake for each reel

8.4 | GLASS TRANSPORT TROLLEYS

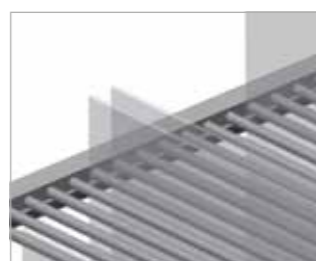
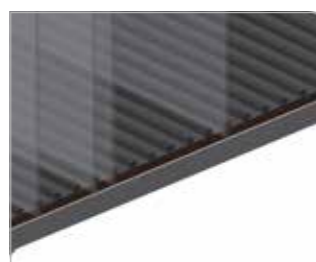
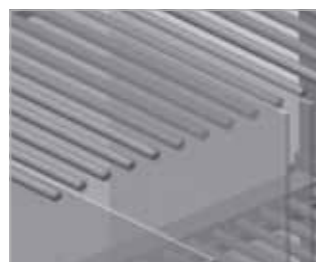
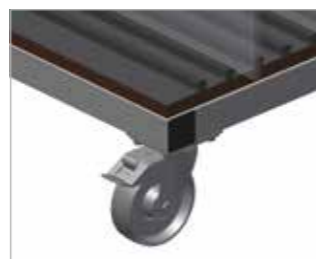
Glass transport trolley GF 1000 Art. no. 253 00 53 03

Glass transport trolley with sorting rack

- Stable steel construction
- Ideal for sorting glass
- Hardwood supporting surface with felt
- Compartment dividers for 20 sheets of glass
- Compartment divider height is adjustable
- Four castors, two of which have a fixing brake

Technical specifications

- Length 1,180 mm
- Width 850 mm
- Height 1,360 mm
- 20 compartments
- Clearance 30 mm
- Weight 95 kg
- Load 400 kg
- Roller diameter 125 mm



Castors

Four castors, two of which have a fixing brake, provide a high degree of mobility and easy, safe handling

Easy loading and unloading

Well-organised storage provides quick access

Wooden supporting surface with felt

Lower supporting surface covered with felt. Additional plastic strips on the floor

Compartment divider with plastic protector

Compartment divider height is adjustable. All supporting surfaces have a non-slip PVC cladding which protects sheets of glass from damage during storage

Rear support with rubber strips

Rear supporting surfaces equipped with rubber strips protect sheets of glass from damage



GF 1000

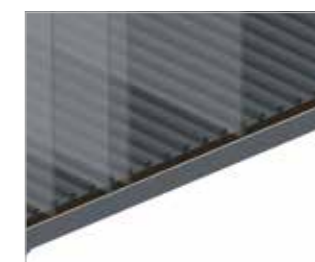
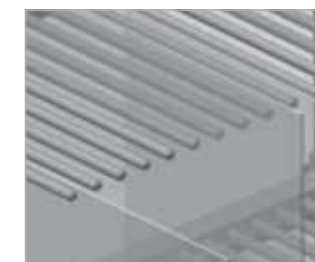
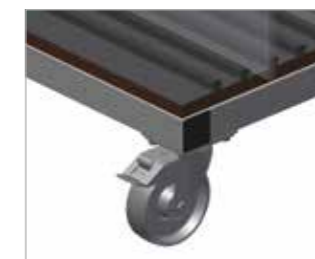
Glass transport trolley GFW 1200 Art. no. 253 00 53 32

Glass transport trolley with sorting rack

- Stable steel construction
- Ideal for sorting glass
- Hardwood supporting surface with felt
- Compartment dividers for 20 sheets of glass
- Compartment divider height is adjustable
- Four castors, two of which have a fixing brake

Technical specifications

- Length 1,200 mm
- Width 1,400 mm
- Height 2,270 mm
- 20 compartments
- Clearance 30 mm
- Weight 210 kg
- Load 800 kg
- Roller diameter 125 mm



Castors

Four castors, two of which have a fixing brake, provide a high degree of mobility and easy, safe handling

Easy loading and unloading

Well-organised storage provides quick access

Wooden supporting surface with felt

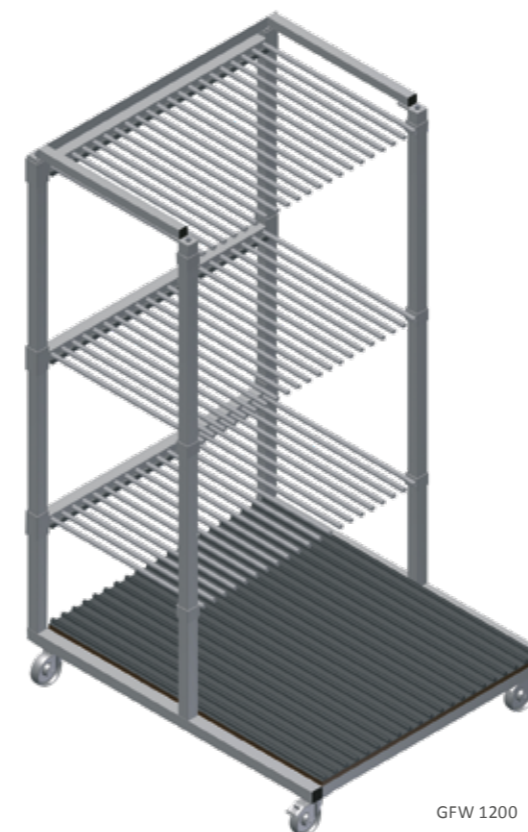
Lower supporting surface covered with felt. Additional plastic strips on the floor

Compartment divider with plastic protector

Compartment divider height is adjustable. All supporting surfaces have a non-slip PVC cladding which protects sheets of glass from damage during storage

Rear support with rubber strips

Rear supporting surfaces equipped with rubber strips protect sheets of glass from damage



GFW 1200

8.4 | GLASS TRANSPORT TROLLEYS

Glass transport trolley **GFW 15** Art. no. 253 00 53 61

- Stable steel construction
- Ideal for sorting glass
- For in-house transportation of sheets of glass
- Compartment dividers for 15 sheets of glass
- Access is possible from both sides
- The glass supporting surface has a rubber profile
- Compartment divider with plastic protector
- Transport handle on both sides for mobility
- Two castors and two fixed rollers

Technical specifications

- Length 1,180 mm
- Width 1,300 mm
- Height 3,020 mm
- 15 compartments
- Compartment width 44 mm
- Compartment height 2,600 mm
- Weight 255 kg
- Load 750 kg
- Roller diameter 200 mm



Supports

Lower supporting surfaces equipped with rubber profile to protect the sheets of glass from damage



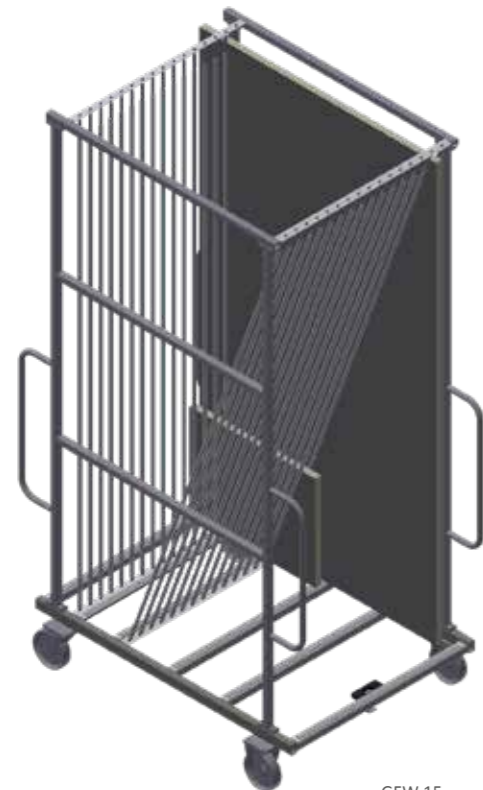
Compartment divider with plastic protector

All supporting surfaces have a non-slip PVC cladding which protects the sheets of glass from damage during storage



Castors, compl.

Two castors and two fixed rollers provide mobility in all directions. Roller diameter 200 mm



GFW 15

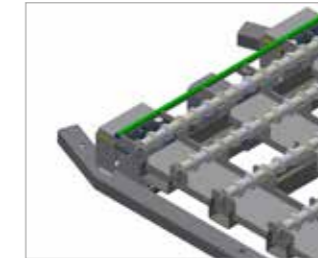
Glass lifting station **GHS 15** Art. no. 253 00 53 60

Glass transport trolley with sorting rack

- Easy handling of sheets of glass in combination with glass transport trolley GFW 15
- With a pneumatic lifting unit controlled with a foot valve, max. travel = 50 mm
- Lower roller conveyors equipped with 15 x 4 PVC rollers in total
- Complete with draw-in mechanism for glass transport trolley GFW 15
- Basic dimensions: 2,100 x 1,250 mm

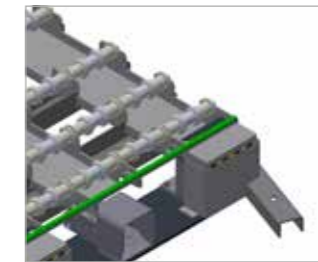
Technical specifications

- Length 2,100 mm
- Width 1,250 mm
- Height 250 mm
- Travel 50 mm max.
- Weight 100 kg



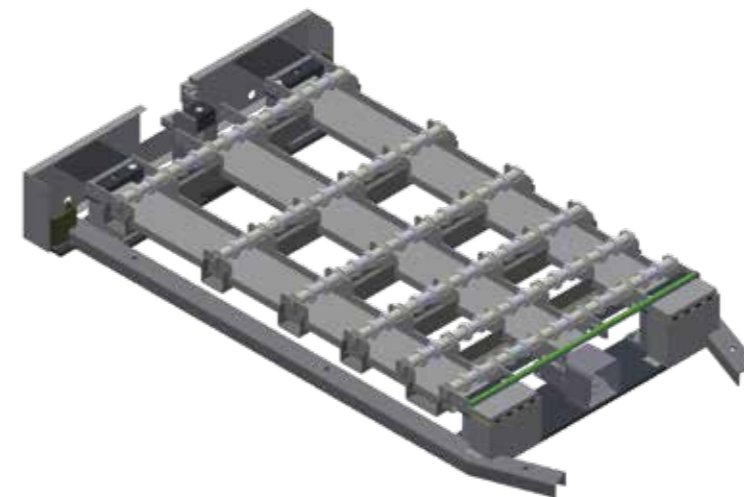
Supports

Lower supporting surfaces with lifting rollers for easier loading and unloading



Lifting unit

Lifting unit for transferring sheets of glass to glass transport trolley GFW 15, controlled with a foot valve, max. travel = 50 mm



GHS 15



8.5 | GLAZING BEAD TROLLEYS

Glazing bead trolley **GLW 30** Art. no. 253 00 53 18

Glazing bead trolley for transportation and sorting of glazing beads

- Stable steel construction
- Ideal for vertical transportation and sorting of glazing beads
- Glazing bead trolley with 30 compartments
- 15 compartments per side
- Lower supporting surface clad with rubber
- Four castors, two of which have a fixing brake

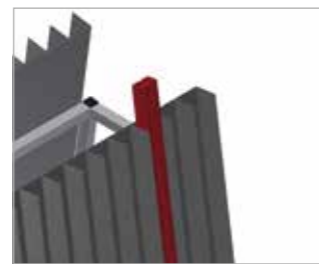
Technical specifications

- Length 1,185 mm
- Width 1,000 mm
- Height 1,660 mm
- 30 compartments
- Compartment width 75 mm
- Compartment depth 65 mm
- Weight 80 kg
- Load 350 kg
- Roller diameter 125 mm



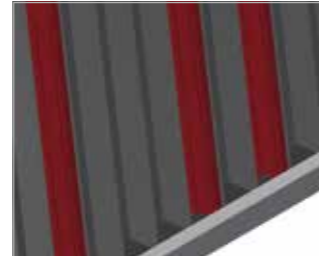
Castors

Four castors, two of which have a fixing brake, provide a high degree of mobility and easy, safe handling



Compartments

15 compartments per side, 30 compartments in total. Compartment width: 75 mm, Compartment depth: 65 mm, Rear support height: 1,500 mm; rear support angle: 8°



Lower supporting surface

Lower supporting surface clad with rubber



GLW 30

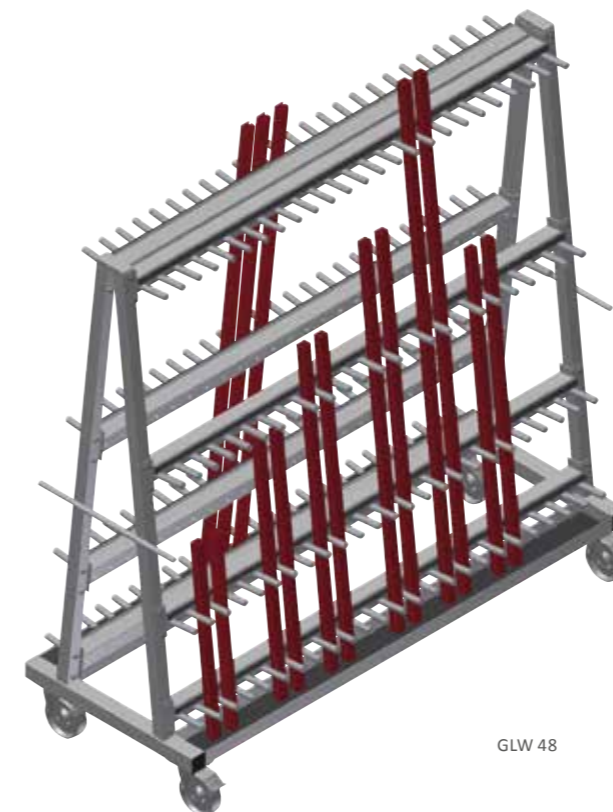
Glazing bead trolley **GLW 48** Art. no. 253 00 53 25

Profile trolley for vertical storage and transportation of aluminium glazing beads

- Stable steel construction
- Double-sided profile trolley for vertical storage and transportation of glazing beads
- Quick access to pre-sorted glazing beads
- Four sorting racks with fixed spacing
- Compartment dividers covered with protective tubing
- Lower supporting surface clad with protective rubber
- Rear back support with rubber strips
- 24 compartments per side
- Transport handle on both sides
- Four castors, two of which have a fixing brake

Technical specifications

- Length 1,620 mm
- Width 620 mm
- Height 1,640 mm
- Eight compartment dividers
- 48 compartments
- Compartment width 40 mm
- Compartment depth 90 mm
- Unit height 1,400 mm
- Weight 120 kg
- Load 400 kg
- Roller diameter 125 mm

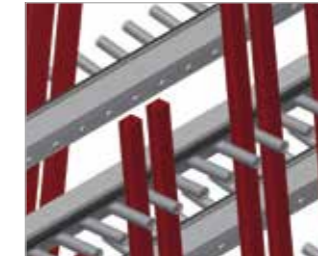


GLW 48



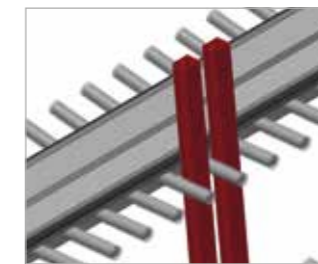
Castors

Four castors, two of which have a fixing brake, provide a high degree of mobility and easy, safe handling



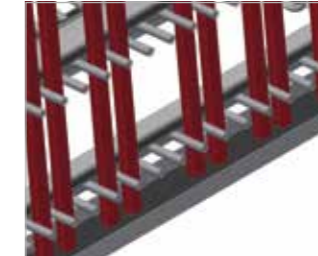
Compartment divider with plastic protector

All supporting surfaces have a non-slip PVC cladding which protects surfaces from damage during storage



Rear support with rubber strips

Rear supporting surfaces equipped with rubber strips protect profiles from damage



Supporting surfaces with protective rubber

Lower supporting surfaces clad with rubber protect the profiles from damage



Transport handles

Transport handle on both sides for mobility

8.6 | COMMISSIONING TROLLEYS

Commissioning trolley KW 1 Art. no. 253 00 53 00

Commissioning trolley for in-house transportation of window elements

- Stable steel construction
- For in-house transportation
- Profile supports with rubber surface
- Four castors, two of which have a fixing brake

Technical specifications

- Length 1,690 mm
- Width 910 mm
- Height 1,768 mm
- Weight 100 kg
- Load 400 kg
- Roller diameter 125 mm

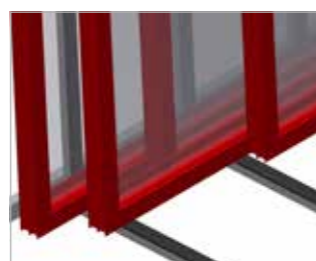


KW 1



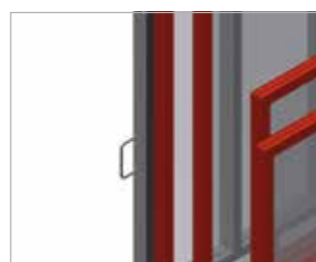
Castors

Four castors, two of which have a fixing brake, provide a high degree of mobility and easy, safe handling



Supports with rubber strip

Supporting surfaces equipped with rubber profile to protect profiles from damage



Transport handles

Transport handle on both sides for mobility

Commissioning trolley KW 2 Art. no. 253 00 53 01

Commissioning trolley for in-house and truck transportation of window elements

- Stable steel construction
- Trolley for in-house and external transportation
- Openings for forklift transportation
- Four loops for crane transportation
- Four lashing strap attachment points
- Profile supports with rubber surface
- Castors can be removed for increased stability of the commissioning trolley in a lorry
- Four castors, two of which have a fixing brake

Technical specifications

- Length 2,025 mm
- Width 1,090 mm
- Height 1,880 mm
- Effective width 800 mm
- Unit height 1,500 mm
- Weight 130 kg
- Load 600 kg
- Roller diameter 125 mm

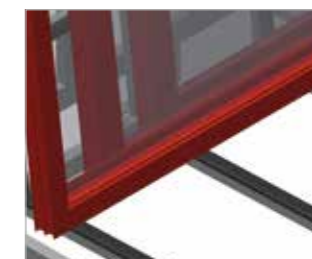


KW 2



Castors

Four castors, two of which have a fixing brake, provide a high degree of mobility and easy, safe handling



Supports with rubber strip

Supporting surfaces equipped with rubber profile to protect profiles from damage



Forklift openings and lashing strap attachment points

Equipped with four forklift openings and four lashing strap attachment points



Crane attachment points

Equipped with four crane attachment points



Removable castors

Castors can be removed for increased stability of the commissioning trolley in a lorry

8.6 | COMMISSIONING TROLLEYS

Commissioning trolley KW 3 Art. no. 253 00 53 09

Commissioning trolley for in-house transportation of window elements

- Stable steel construction
- For in-house transportation
- Profile supports with rubber surface
- Can be nested when not loaded, a space-saving feature
- Four castors, two of which have a fixing brake

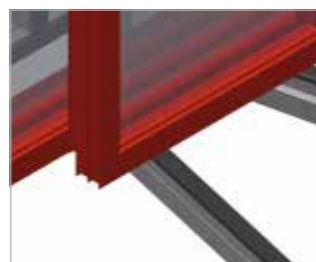
Technical specifications

- Length 1,600 mm
- Width 1,130 mm
- Height 1,960 mm
- Weight 90 kg
- Load 400 kg
- Roller diameter 125 mm



Castors

Four castors, two of which have a fixing brake, provide a high degree of mobility and easy, safe handling



Supports with rubber strip

Supporting surfaces equipped with rubber profile to protect profiles from damage



Transport handles

Transport handle on both sides for mobility



KW 3

Commissioning trolley KW 4 Art. no. 253 00 53 24

Commissioning trolley for in-house transportation of window elements

- Stable steel construction
- Trolley for in-house transportation
- Openings for forklift transportation
- Four loops for crane transportation
- Four lashing strap attachment points
- Profile supports with rubber surface
- Castors can be removed for increased stability of the commissioning trolley
- Four castors, two of which have a fixing brake

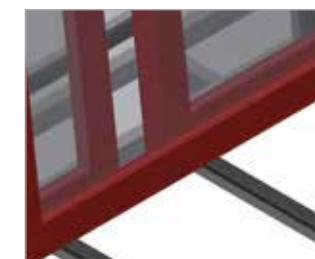
Technical specifications

- Length 2,000 mm
- Width 1,000 mm
- Height 1,850 mm
- Weight 150 kg
- Load 500 kg
- Roller diameter 125 mm



Castors

Four castors, two of which have a fixing brake, provide a high degree of mobility and easy, safe handling



Supports with rubber strip

Supporting surfaces equipped with rubber profile to protect profiles from damage



Forklift openings and crane attachment points

Equipped with four forklift openings and four crane attachment points



Lashing strap attachment points

Equipped with four lashing strap attachment points



Removable castors

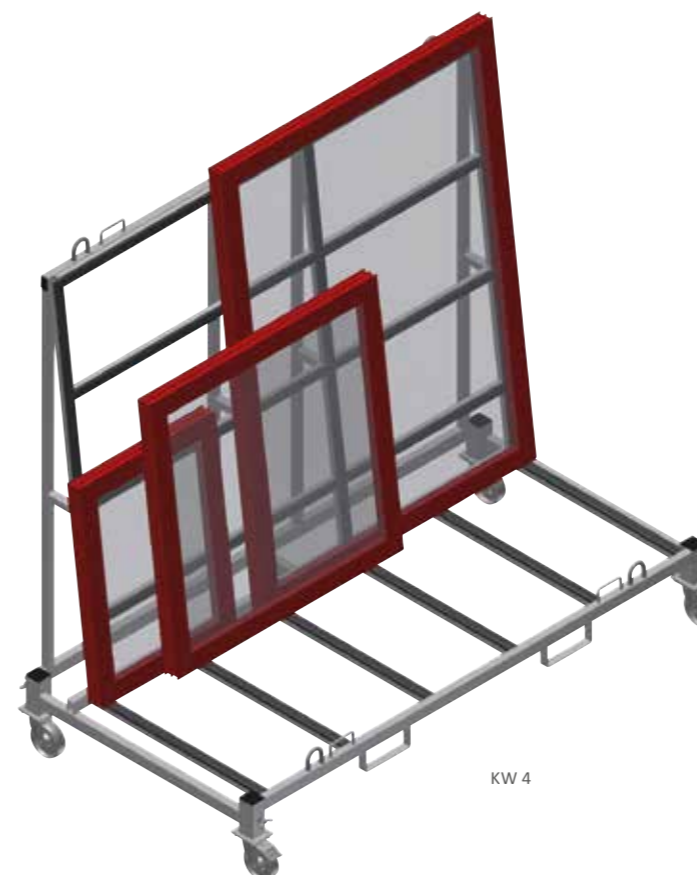
Castors can be removed for increased stability of the commissioning trolley



Lifting station

HBR 1600 Lifting station for transferring heavy windows to the transport trolley, only for KW 4

Art. no. 253 20 63 00



KW 4

8.6 | COMMISSIONING TROLLEYS

Frame transport trolley RF 1000 Art. no. 253 00 53 02

Profile trolley for in-house transportation of frames and sashes

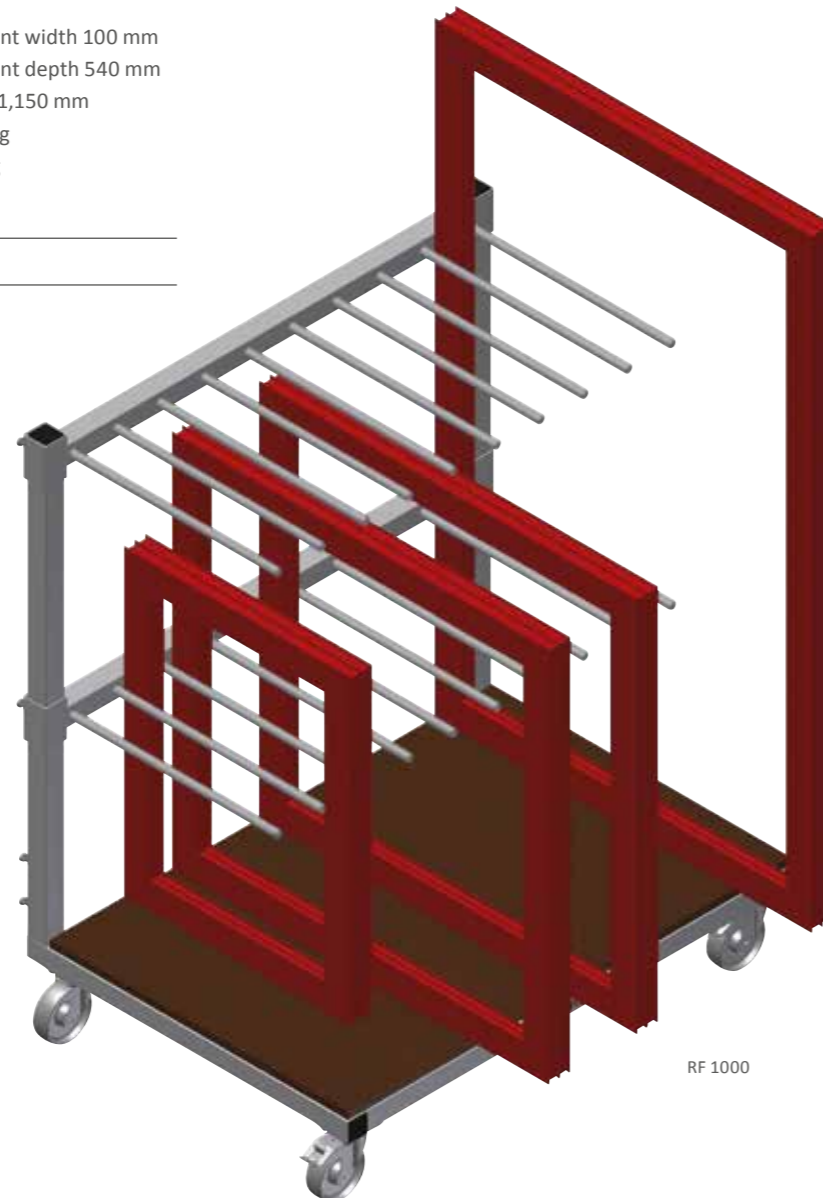
- Stable steel construction
- Trolley with sorting rack for transportation and storage of frames and sashes
- Hardwood supporting surface
- Compartment divider for nine frames
- Compartment divider height is adjustable
- Four castors, two of which have a fixing brake

Technical specifications

- | | |
|----------------------------|----------------------------|
| • Length 1,180 mm | • Compartment width 100 mm |
| • Width 850 mm | • Compartment depth 540 mm |
| • Height 1,360 mm | • Unit height 1,150 mm |
| • Two compartment dividers | • Weight 65 kg |
| • Nine compartments | • Load 400 kg |
| • Roller diameter 125 mm | |

Optional

- Plastic protector for PWS 1000



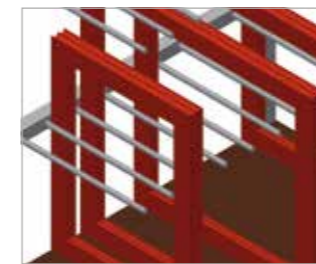
Castors

Four castors, two of which have a fixing brake, provide a high degree of mobility and easy, safe handling



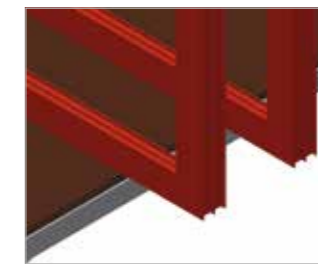
Compartment dividers

Compartment divider height is adjustable
Compartment width 100 mm
Compartment depth 540 mm



Easy loading and unloading

Direct access to each element



Supporting surface

Lower supporting surface made of hardwood



Plastic protector for PWS 1000

All supporting surfaces have a non-slip PVC cladding which protects surfaces from damage during storage
RF 1000 Art. no. 253 20 08 04

8.7 | PROFILE TRANSPORT TROLLEYS

Profile transport trolley PWS 1000 Art. no. 253 00 53 04

Profile trolley for vertical storage and transportation of profiles

- Stable steel construction
- Vertical profile transportation
- Profile trolley with loading on one side
- Easy loading and unloading
- Sufficient for 30–40 profile bars
- Compartment divider height is adjustable
- Supporting surface with bar grid floor
- Four castors, two of which have a fixing brake

Technical specifications

- Length 1,200 mm
- Width 800 mm
- Height 1,360 mm
- Two compartment dividers
- Nine compartments
- Roller diameter 125 mm
- Compartment width 100 mm
- Compartment depth 540 mm
- Unit height 1,150 mm
- Weight 60 kg
- Load 350 kg

Optional

- Plastic protector for PWS 1000



PWS 1000



Castors

Four castors, two of which have a fixing brake, provide a high degree of mobility and easy, safe handling



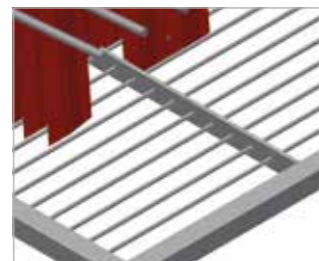
Compartment dividers

Compartment divider height is adjustable
Compartment width 100 mm
Compartment depth 540 mm



Easy loading and unloading

Profile trolley with loading on one side



Supporting surface

Supporting surface with bar grid floor



Plastic protector for PWS 1000

All supporting surfaces have a non-slip PVC cladding which protects surfaces from damage during storage
PWS 1000 Art. no. 253 20 08 01

Profile transport trolley PWS 2000 Art. no. 253 00 53 12

Profile trolley for vertical storage and transportation of profiles

- Stable steel construction
- Vertical profile transportation
- Profile trolley with loading on one side
- Easy loading and unloading
- Sufficient for 60–80 profile bars
- Compartment divider height is adjustable
- Supporting surface with bar grid floor
- Four castors, two of which have a fixing brake

Technical specifications

- Length 2,230 mm
- Width 800 mm
- Height 1,360 mm
- Two compartment dividers
- 18 compartments
- Roller diameter 125 mm
- Compartment width 100 mm
- Compartment depth 540 mm
- Unit height 1,150 mm
- Weight 105 kg
- Load 350 kg

Optional

- Plastic protector for PWS 2000



PWS 2000



Castors

Four castors, two of which have a fixing brake, provide a high degree of mobility and easy, safe handling



Compartment dividers

Compartment divider height is adjustable
Compartment width 100 mm
Compartment depth 540 mm



Easy loading and unloading

Profile trolley with loading on one side



Supporting surface

Supporting surface with bar grid floor



Plastic protector for PWS 2000

All supporting surfaces have a non-slip PVC cladding which protects surfaces from damage during storage
PWS 2000 Art. no. 253 20 08 02

8.7 | PROFILE TRANSPORT TROLLEYS

Profile transport trolley **PWS 4000** Art. no. 253 00 53 15

Profile trolley for vertical storage and transportation of profiles

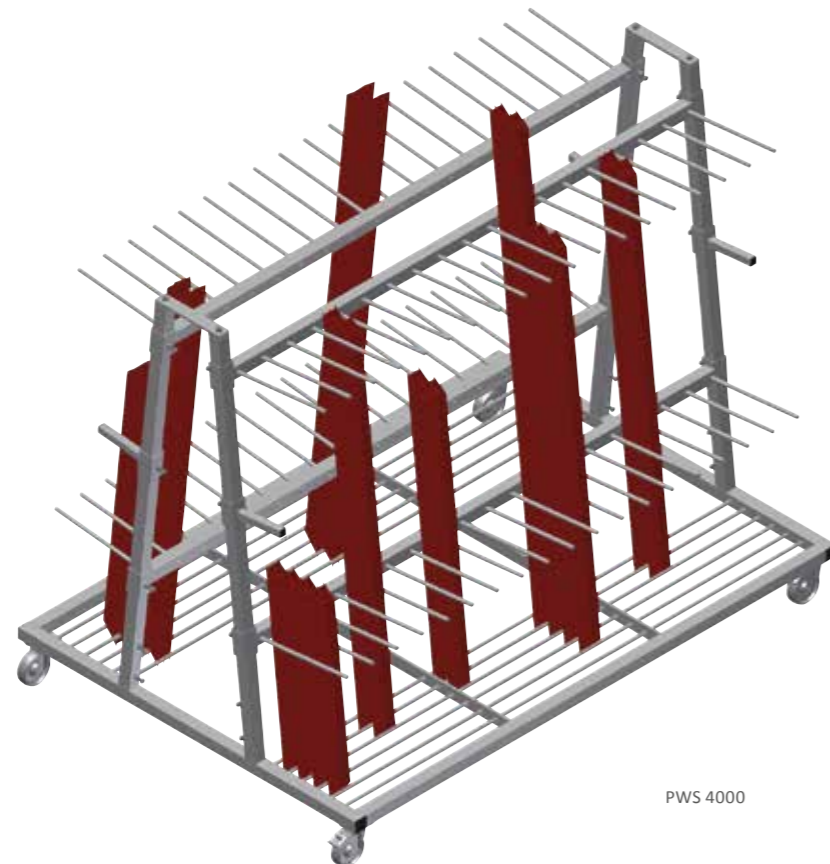
- Stable steel construction
- Vertical profile transportation
- Profile trolley can be loaded on both sides
- 18 compartments per side
- Easy loading and unloading
- Sufficient for 120–160 profile bars
- Compartment divider height is adjustable
- Supporting surface with bar grid floor
- Four castors, two of which have a fixing brake

Technical specifications

- Length 2,230 mm
- Width 1,560 mm
- Height 1,850 mm
- Four compartment dividers
- 36 compartments
- Roller diameter 125 mm
- Compartment width 100 mm
- Compartment depth 400 mm
- Unit height 1,620 mm
- Weight 200 kg
- Load 600 kg

Optional

- Plastic protector for PWS 4000



PWS 4000



Castors

Four castors, two of which have a fixing brake, provide a high degree of mobility and easy, safe handling



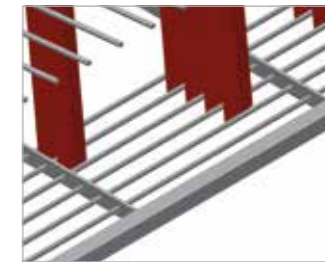
Compartment dividers

Compartment divider height is adjustable
Compartment width 100 mm
Compartment depth 400 mm



Easy loading and unloading

Profile trolley can be loaded on both sides



Supporting surface

Supporting surface with bar grid floor



Plastic protector for PWS 4000

All supporting surfaces have a non-slip PVC cladding which protects surfaces from damage during storage

PWS 4000 Art. no. 253 20 08 03

8.7 | PROFILE TRANSPORT TROLLEYS

Profile transport trolley PWS 1400 Art. no. 253 00 53 37

Profile trolley for vertical storage and transportation of aluminium profiles

- Stable steel construction
- Ideal for transportation and space-saving intermediate storage of cut-to-length profiles
- Vertical profile transportation
- Sufficient for 30–40 profile bars
- Compartment divider height is adjustable
- Lower supporting surface with rubber strips
- Compartment dividers with protective tubing
- Rear back support with rubber strips
- Four castors, two of which have a fixing brake

Technical specifications

- Length 1,440 mm
- Width 790 mm
- Height 1,360 mm
- Two compartment dividers
- Nine compartments
- Roller diameter 125 mm
- Compartment width 120 mm
- Compartment depth 540 mm
- Unit height 1,150 mm
- Weight 72 kg
- Load 350 kg



PWS 1400



Castors

Four castors, two of which have a fixing brake, provide a high degree of mobility and easy, safe handling



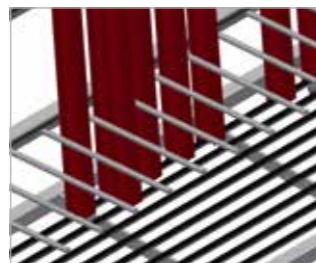
Compartment divider with plastic protector

Compartment divider height is adjustable. All supporting surfaces have a non-slip PVC cladding which protects surfaces from damage during storage



Rear support with rubber strips

Rear supporting surfaces equipped with rubber strips protect profiles from damage



Supporting surfaces with rubber strips

Lower supporting surfaces equipped with rubber strips to protect the profiles from damage

Profile transport trolley PWS 1800 Art. no. 253 00 53 26

Profile trolley for vertical storage and transportation of aluminium profiles

- Stable steel construction
- Ideal for transportation and space-saving intermediate storage of cut-to-length profiles
- Vertical profile transportation
- Sufficient for 12–60 profile bars
- Compartment divider height is adjustable
- Lower supporting surface with rubber strips
- Compartment dividers with protective tubing
- Rear back support with rubber strips
- Four castors, two of which have a fixing brake

Technical specifications

- Length 1,880 mm
- Width 800 mm
- Height 1,700 mm
- Two compartment dividers
- Twelve compartments
- Roller diameter 125 mm
- Compartment width 120 mm
- Compartment depth 540 mm
- Unit height 1,500 mm
- Weight 105 kg
- Load 350 kg

Optional

- Height of additional compartment divider is adjustable, with plastic protector

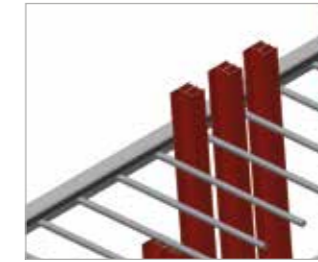


PWS 1800



Castors

Four castors, two of which have a fixing brake, provide a high degree of mobility and easy, safe handling



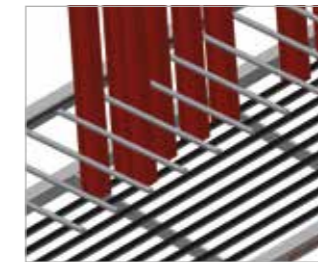
Compartment divider with plastic protector

Compartment divider height is adjustable. All supporting surfaces have a non-slip PVC cladding which protects surfaces from damage during storage



Rear support with rubber strips

Rear supporting surfaces equipped with rubber strips protect profiles from damage



Supporting surfaces with rubber strips

Lower supporting surfaces equipped with rubber strips to protect the profiles from damage



Additional compartment divider for PWS 1800

Additional compartment divider with height adjustment and plastic protector
PWS 1800 Art. no. 253 20 63 01

8.7 | PROFILE TRANSPORT TROLLEYS

Profile transport trolley **PWW 1000** Art. no. 253 00 53 06

Profile trolley for horizontal storage and transportation of profiles

- Stable steel construction
- Horizontal profile transportation
- Support arms are rubber coated
- Profile trolley with profile supports on both sides
- Six supports per upright
- One centre upright
- Four castors, two of which have a fixing brake

Technical specifications

- Length 1,625 mm
- Width 900 mm
- Height 1,960 mm
- Eleven shelves
- Clearance 260 mm
- Lower shelf width 420 mm
- Upper shelf width 300 mm
- Weight 60 kg
- Load 350 kg
- Roller diameter 125 mm

Optional

- Individual centre upright



PWW 1000



Castors

Four castors, two of which have a fixing brake, provide a high degree of mobility and easy, safe handling



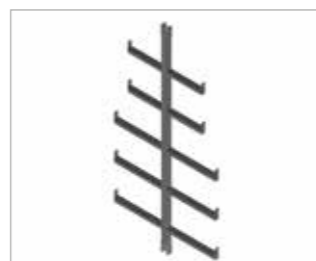
Easy loading and unloading

Well-organised storage provides quick access



Support arms

Support arms are rubber coated, Adjustable centre upright



Individual centre upright

Additional centre uprights
Art. no. 253 20 68 00

Profile transport trolley **PWW 2000** Art. no. 253 00 53 07

Profile trolley for horizontal storage and transportation of profiles

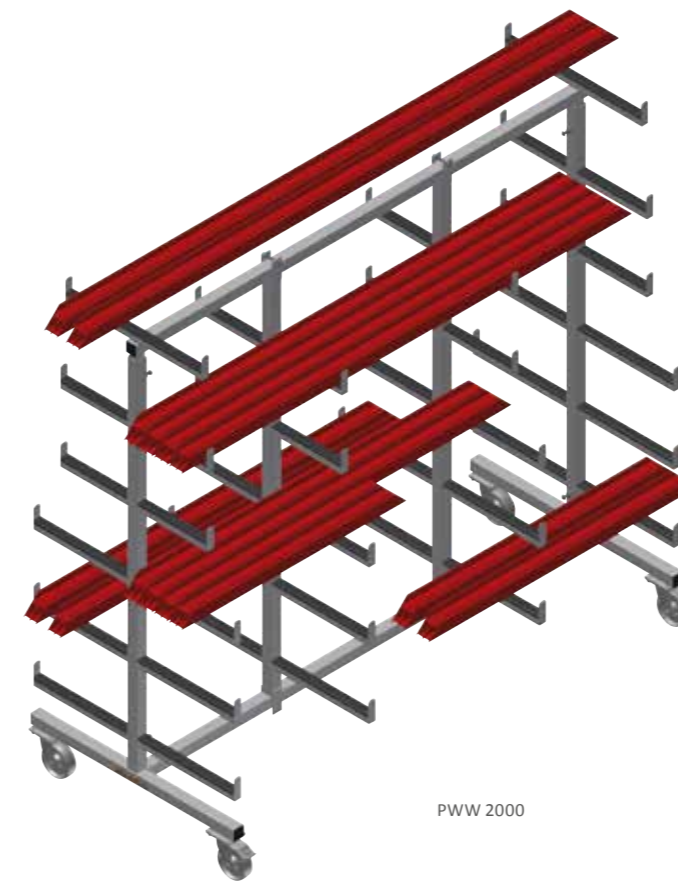
- Stable steel construction
- Horizontal profile transportation
- Support arms are rubber coated
- Profile trolley with profile supports on both sides
- Six supports per upright
- Two centre uprights
- Four castors, two of which have a fixing brake

Technical specifications

- Length 2,000 mm
- Width 900 mm
- Height 1,960 mm
- Eleven shelves
- Clearance 260 mm
- Lower shelf width 420 mm
- Upper shelf width 300 mm
- Weight 75 kg
- Load 350 kg
- Roller diameter 125 mm

Optional

- Individual centre upright



PWW 2000



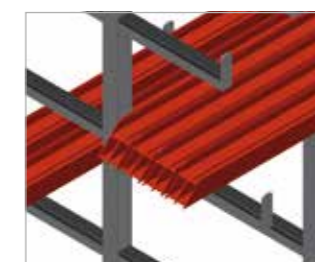
Castors

Four castors, two of which have a fixing brake, provide a high degree of mobility and easy, safe handling



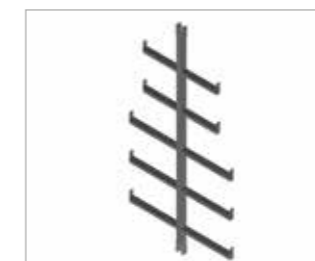
Easy loading and unloading

Well-organised storage provides quick access



Support arms

Support arms are rubber coated, Adjustable centre upright



Individual centre upright

Additional centre uprights
Art. no. 253 20 68 00

8.7 | PROFILE TRANSPORT TROLLEYS

Profile transport trolley **PWW 4000** Art. no. 253 00 53 17

Profile trolley for horizontal storage and transportation of profiles

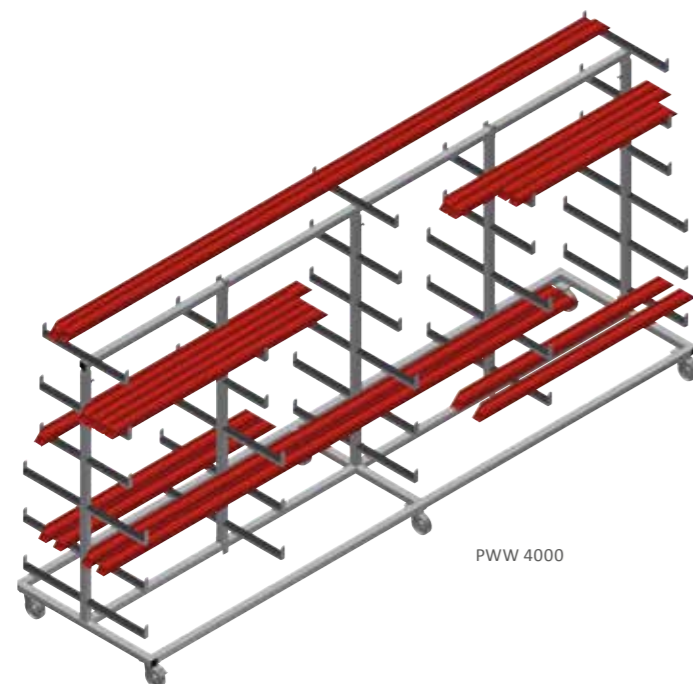
- Stable steel construction
- Horizontal profile transportation
- Easy transportation of profile raw materials and cut-to-size profiles
- Support arms are rubber coated
- Profile trolley with profile supports on both sides
- Six supports per upright
- Three centre uprights
- Six castors, two of which have a fixing brake

Technical specifications

- Length 4,000 mm
- Width 1,000 mm
- Height 1,960 mm
- Eleven shelves
- Clearance 260 mm
- Lower shelf width 420 mm
- Upper shelf width 300 mm
- Weight 130 kg
- Load 500 kg
- Roller diameter 125 mm

Optional

- Individual centre upright



PWW 4000



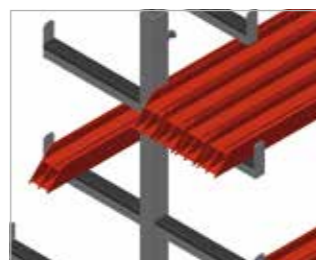
Castors

Six castors, two of which have a fixing brake, provide a high degree of mobility and easy, safe handling



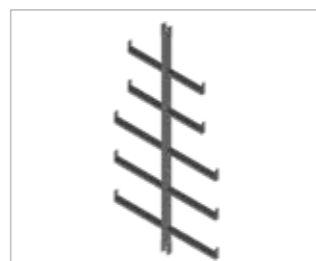
Support arms

Support arms are rubber coated, adjustable centre upright



Easy loading and unloading

Well-organised storage provides quick access



Individual centre upright

Additional centre uprights
Art. no. 253 20 68 00

Profile transport trolley **PLW 4000** Art. no. 253 00 53 19

Trolley for storage and transportation of profiles

- Stable steel construction
- Trolley for transportation and storage of profile bars before and after cutting
- Well-organised storage provides quick access
- Ideal transportation option for curtain wall construction
- The trolley can also be used as a mobile intermediate storage area, for example, before moving onward to the double mitre saw or machining centre
- Profile support arms can be adjusted
- Profile supports with rubber surface
- Four castors, two of which have a fixing brake

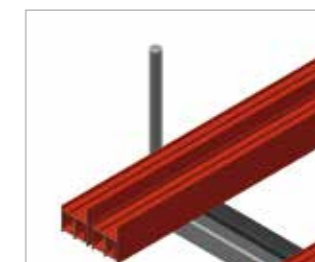
Technical specifications

- Length 4,000 mm
- Width 800 mm
- Height 900 mm
- Width of the support arms 750 mm
- Height of the guards 270 mm
- Weight 100 kg
- Load 600 kg
- Roller diameter 125 mm



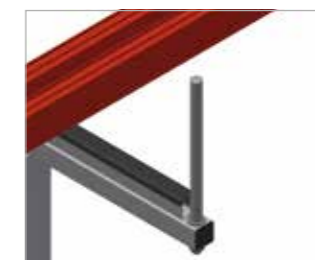
Castors

Four castors, two of which have a fixing brake, provide a high degree of mobility and easy, safe handling



Supporting surfaces

Supporting surfaces equipped with rubber profile to protect profiles from damage



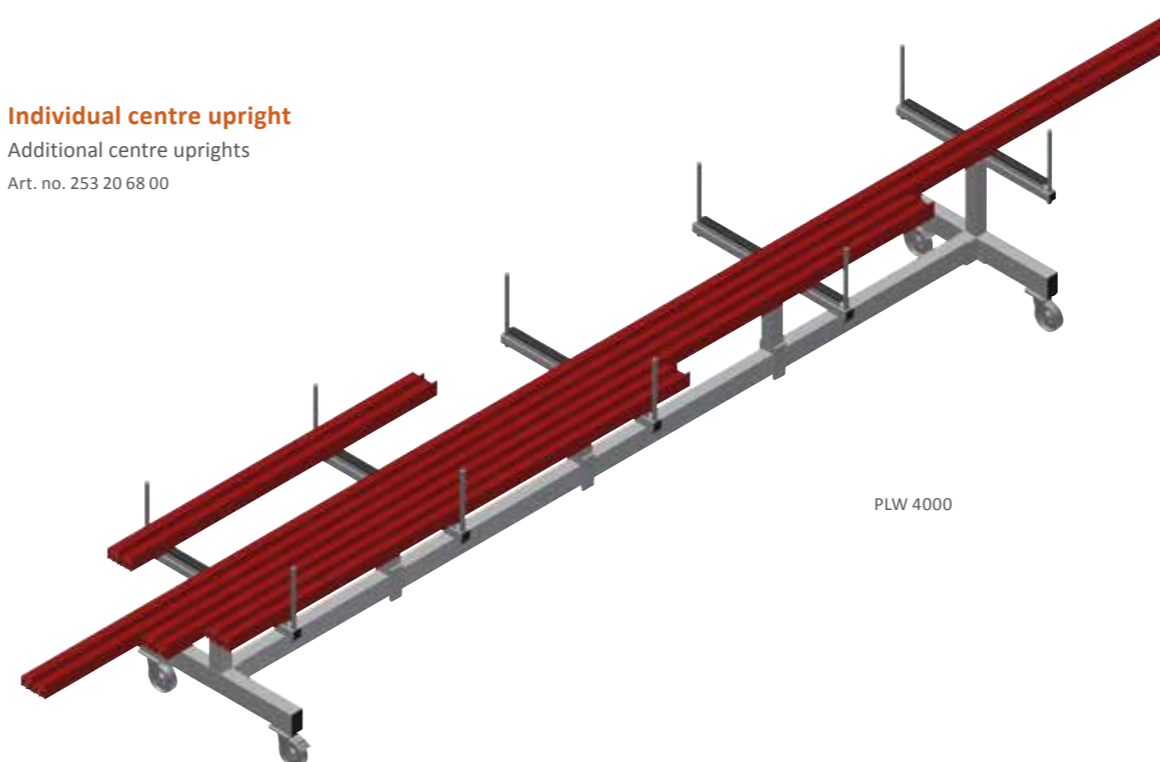
Guards with plastic protector

Vertical guards with plastic protectors protect the profiles from damage and prevent them from slipping off



Profile support

Profile supports can be adjusted



PLW 4000

8.7 | PROFILE TRANSPORT TROLLEYS

Transport trolley for profile cassettes TPK 4000

Art. no. 253 00 53 35

- Stable steel construction
- Transport trolley for carrying profile cassettes
- Ideal for transporting profile cassettes from storage to the saw or to the machining centre.
- For profile pallets of up to 760 mm width
- Safety tabs to secure the pallets
- Six rollers, four castors with fixing brakes and two fixed rollers

Technical specifications

- | | |
|---------------------|--------------------------|
| • Length 4,000 mm | • Weight 65 kg |
| • Width 820 mm | • Load 1,200 kg |
| • Height 285 mm | • Roller diameter 125 mm |
| • Load width 770 mm | |



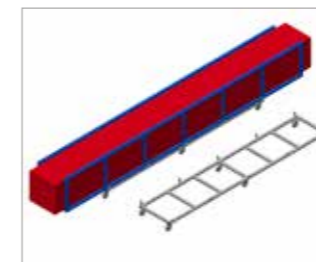
Castors

Six rollers, four with a fixing brake and two fixed rollers, provide a high degree of mobility and easy, safe handling



Safety tabs

Safety tabs to secure the pallets



Transport trolley for profile cassettes TPK 4000

Transport trolley with long goods pallet

8.7 | PROFILE TRANSPORT TROLLEYS

Profile transport trolley PHW 1600 Art. no. 253 00 53 28

Profile trolley for horizontal storage and transportation of profiles

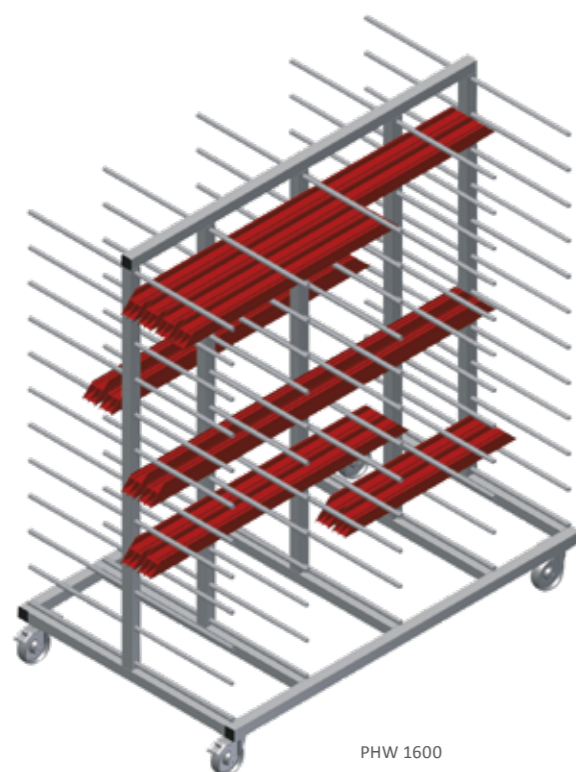
- Stable steel construction
- Horizontal profile transportation
- Profile trolley with profile supports on both sides
- Twelve supports per upright
- Four castors, two of which have a fixing brake

Technical specifications

- Length 1,600 mm
- Width 1,000 mm
- Height 1,850 mm
- 24 shelves
- Clearance 120 mm
- Compartment width 450 mm
- Weight 140 kg
- Load 350 kg
- Roller diameter 125 mm

Options

- Plastic protector for PHW 1600 Art. no. 253 20 08 06
- Number labels for PHW 1600 Art. no. 253 10 68 00



PHW 1600



Castors

Four castors, two of which have a fixing brake, provide a high degree of mobility and easy, safe handling



Support arms

Easy loading and unloading
Well-organised storage provides quick access



Plastic protector

All supporting surfaces have a non-slip PVC cladding which protects surfaces from damage during storage
Art. no. 253 20 08 06



Number labels 1-24

Compartment numbering
Art. no. 253 10 68 00

Profile transport trolley PHW 2000 Art. no. 253 00 53 29

Profile trolley for horizontal storage and transportation of profiles

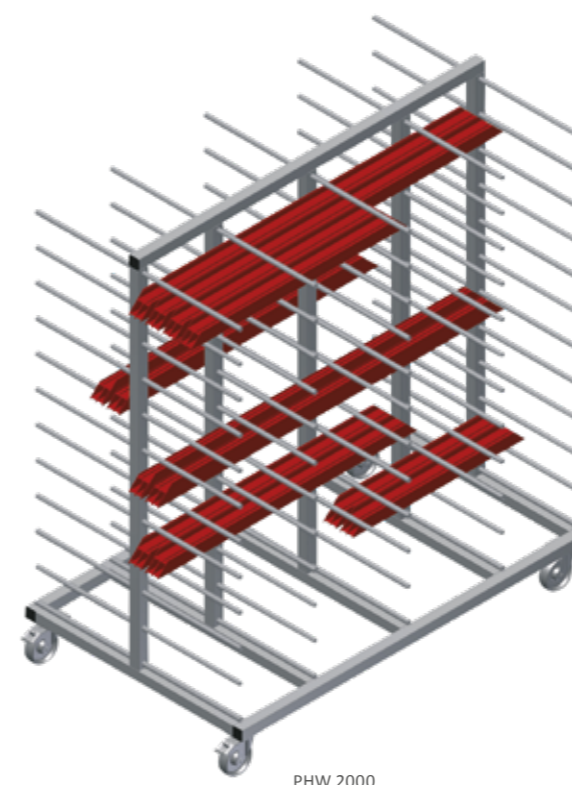
- Stable steel construction
- Horizontal profile transportation
- Profile trolley with profile supports on both sides
- Twelve supports per upright
- Four castors, two of which have a fixing brake

Technical specifications

- Length 2,000 mm
- Width 1,000 mm
- Height 1,850 mm
- 24 shelves
- Clearance 120 mm
- Compartment width 450 mm
- Weight 150 kg
- Load 350 kg
- Roller diameter 125 mm

Options

- Plastic protector for PHW 2000 Art. no. 253 20 08 06
- Number labels for PHW 2000 Art. no. 253 10 68 00



PHW 2000



Castors

Four castors, two of which have a fixing brake, provide a high degree of mobility and easy, safe handling



Support arms

Easy loading and unloading
Well-organised storage provides quick access



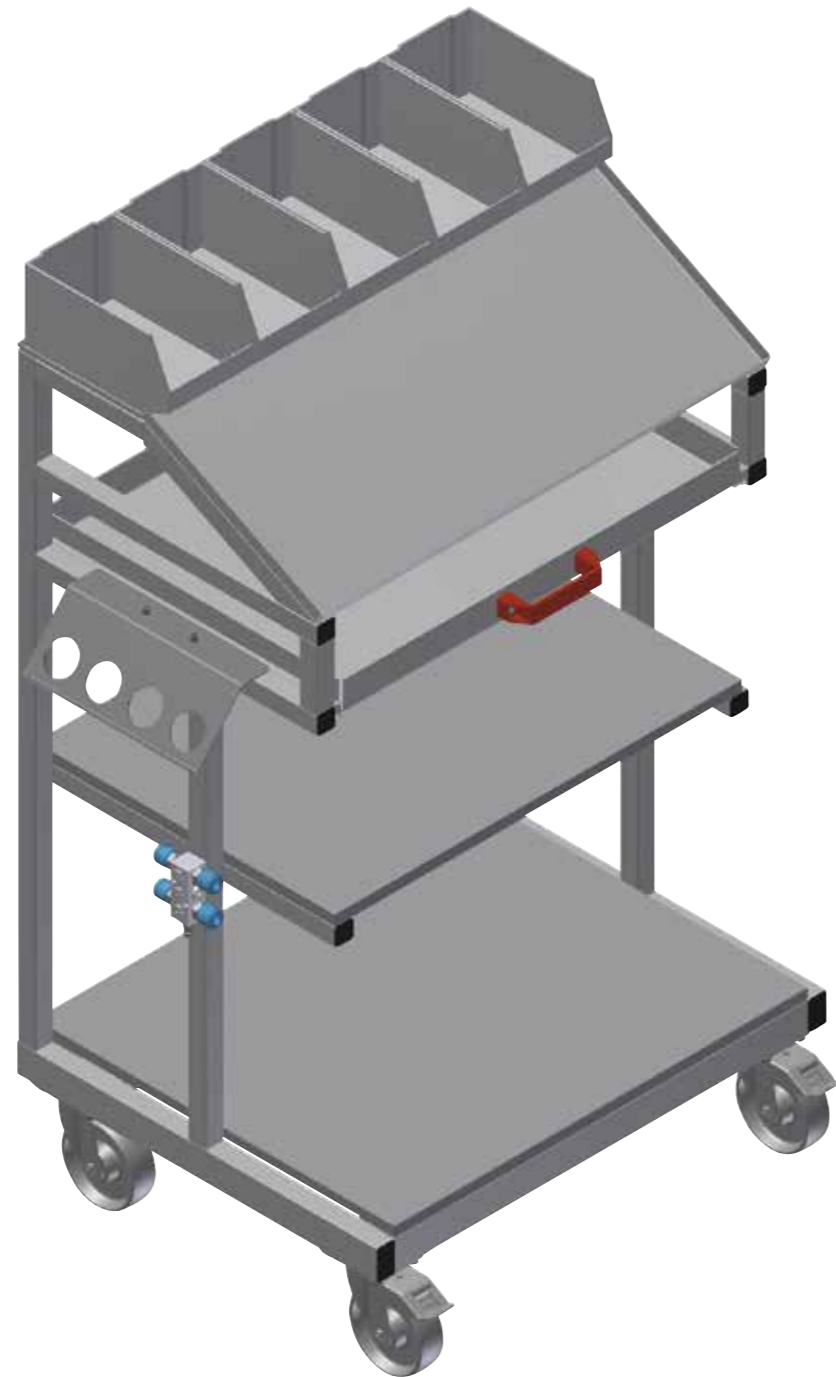
Plastic protector

All supporting surfaces have a non-slip PVC cladding which protects surfaces from damage during storage
Art. no. 253 20 08 06



Number labels 1-24

Compartment numbering
Art. no. 253 10 68 00



9 | TOOLS

Special-purpose tools and tool trolleys are required in every production system.
And, of course, you can also find the right solution for these needs in our product range.

Product overview	Product	Page
Tool and small-parts trolley	WKW 800	122
Trolley for supports and tools	TWS 500	124
Hand tools		125

9 | TOOL TROLLEYS/TOOLS

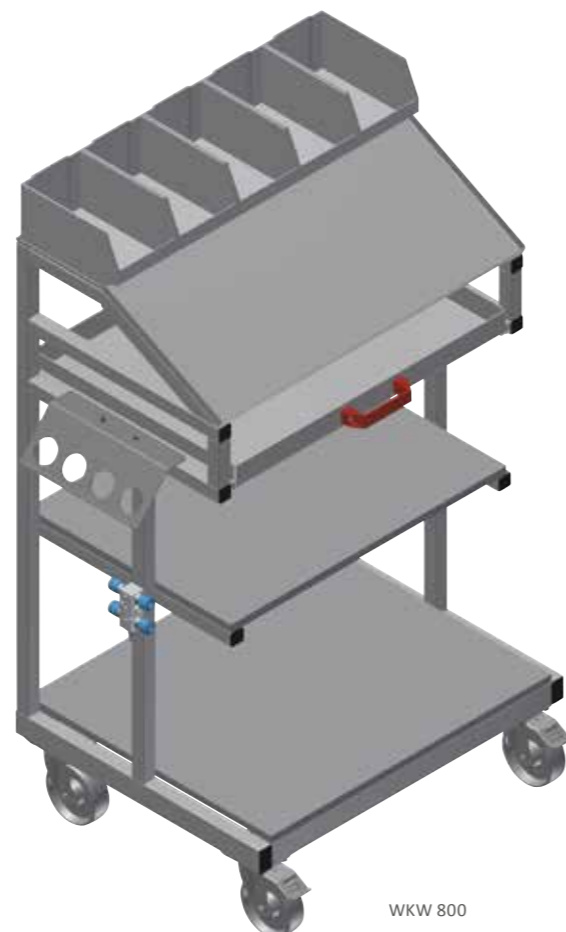
Tool and small-parts trolley **WKW 800** Art. no. 253 00 53 23

Accessories trolley for tools and small parts for the assembly station

- Stable steel construction
- The trolley is suitable for depositing tools and material
- Makes organising the workplace easy
- Makes transportation to the assembly station easy
- Two storage trays for setting down tools and accessories
- One drawer for tools
- Five plastic trays for small accessories, hardware and screws
- Storage area with reading desk for drawings
- 4-fold compressed air supply
- Tool rack for pneumatic or electric tools
- Four castors, two of which have a fixing brake

Technical specifications

- Length 750 mm
- Width 600 mm
- Height 1,300 mm
- Weight 60 kg
- Load 300 kg
- Roller diameter 125 mm



Castors

Four castors, two of which have a fixing brake, provide a high degree of mobility and easy, safe handling



Drawer

Drawer for tools



Storage surfaces for accessories

Storage trays for setting down tools and accessories
4-fold compressed air supply for connecting compressed-air tools



Tool rack

Tool rack for pneumatic or electric tools



Plastic trays

Five plastic trays for small accessories, hardware and screws

9 | TOOL TROLLEYS/TOOLS

TWS 500 trolley for supports and tools

Art. no. 253 00 53 62

- Stable steel construction
- The trolley is suitable for setting down welding supports and tools
- Makes organising the workplace easy
- The ideal complement to the 4-head welding machine
- Storage trays for setting down accessories and gasket limitation with plunger or blade
- Five drawers for welding supports
- Four castors, two of which have a fixing brake

Technical specifications

- Length 760 mm
- Width 520 mm
- Vertical height 1,095 mm
- Weight 60 kg
- Roller diameter 125 mm

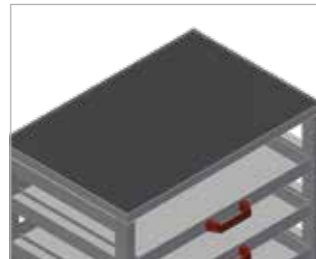


TWS 500



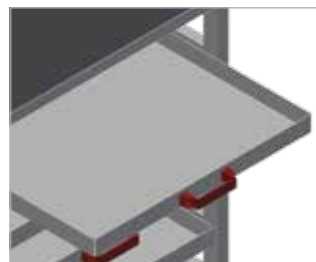
Castors

Four castors, two of which have a fixing brake, provide a high degree of mobility and easy, safe handling



Storage surfaces for accessories

Storage trays for setting down accessories and gasket limitation with plunger or blade



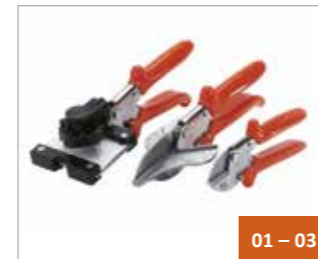
Drawer

Drawer for welding supports and tools

Hand tools

- [01] Gasket shears 2 x 45°
- [02] Gasket shears 90°
- [03] Gasket shears 180°
- [04] Rotary screwdriver
- [05] Connection holder with magnet and one set of screwdriver bits
- [06] Hand drill
- [07] Set of drill bits
- [08] End mill HSS
- [09] Air gun
- [10] Double vacuum lifting tool

- [11] Single vacuum lifting tool
- [12] Glazing shovel
- [13] Soft mallet
- [14] Cross peen hammer
- [15] Chisel ST 4
- [16] Screwdriver set
- [17] Spiral hose 2,500 mm
- [18] Gasket groove milling machine
- [19] Gasket roller
- [20] Welding bead moon knife



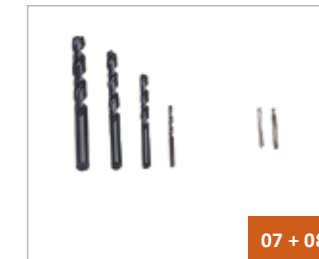
01 - 03



04 + 05



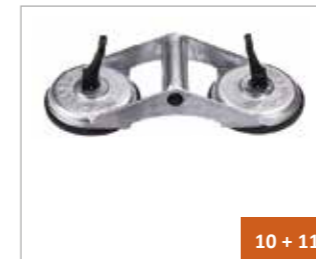
06



07 + 08



09



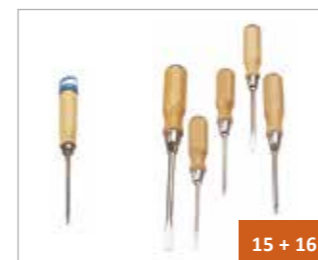
10 + 11



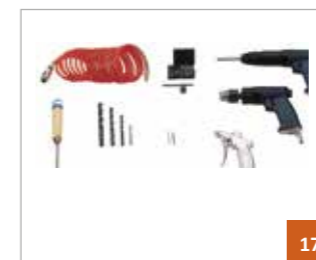
12



13 + 14



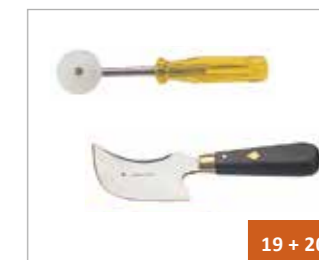
15 + 16



17



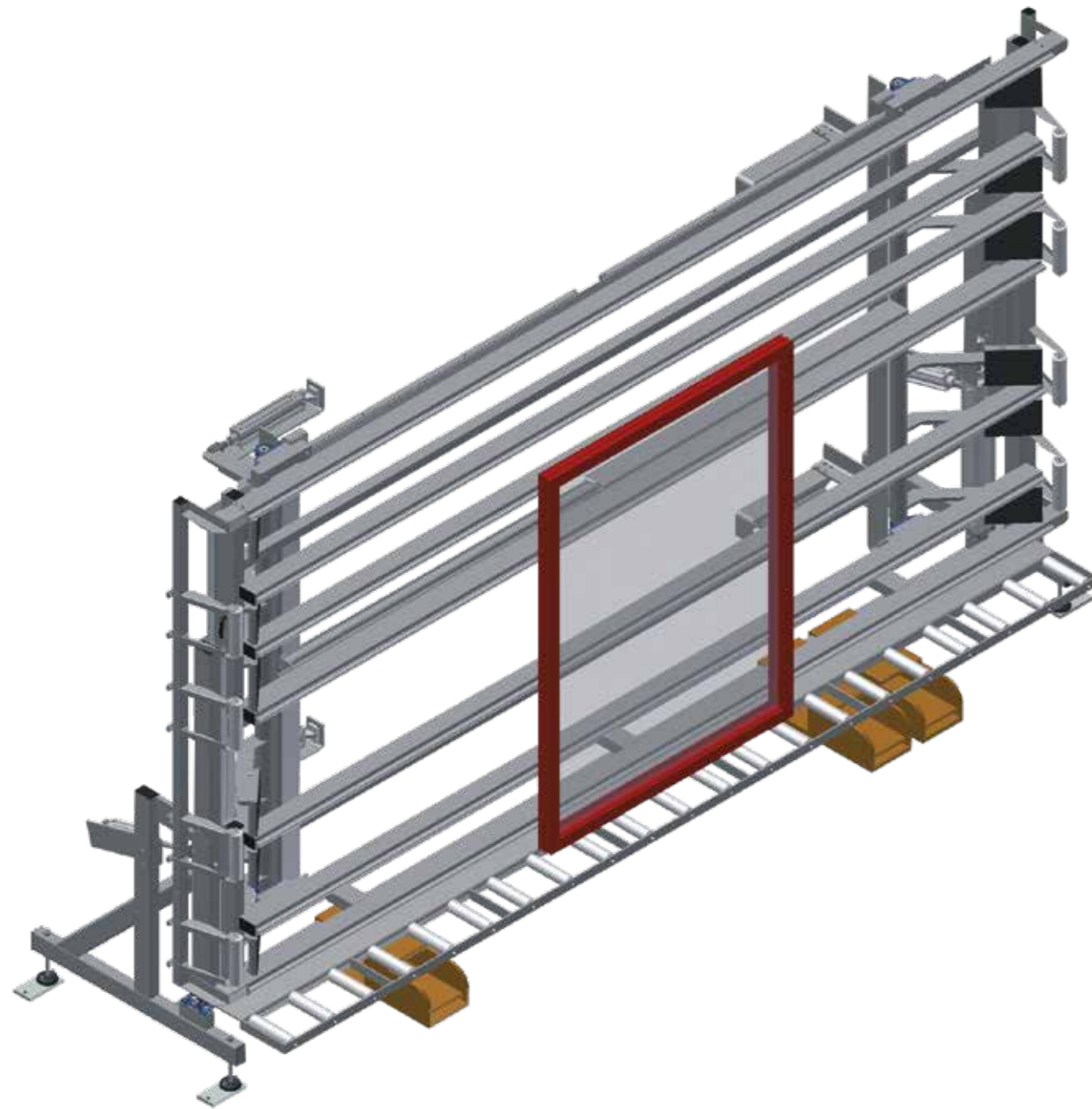
18



19 + 20

10 | GLAZING UNITS

Quality inspection is an important part of every production process – not only in the production of plastic windows. Our inspection and glazing units have proven to be the perfect tool for quality inspections in terms of flexibility, robust construction and precision.



Product overview

Inspection and glazing unit
Inspection and glazing unit

Product

VE 3000 | 4000
VE 3000/60

Page

128
130

10 | GLAZING UNITS

Inspection and glazing unit VE 3000

Art. no. 251 00 51 06

Inspection and glazing unit for glazing and final inspection in individual and serial assembly line production

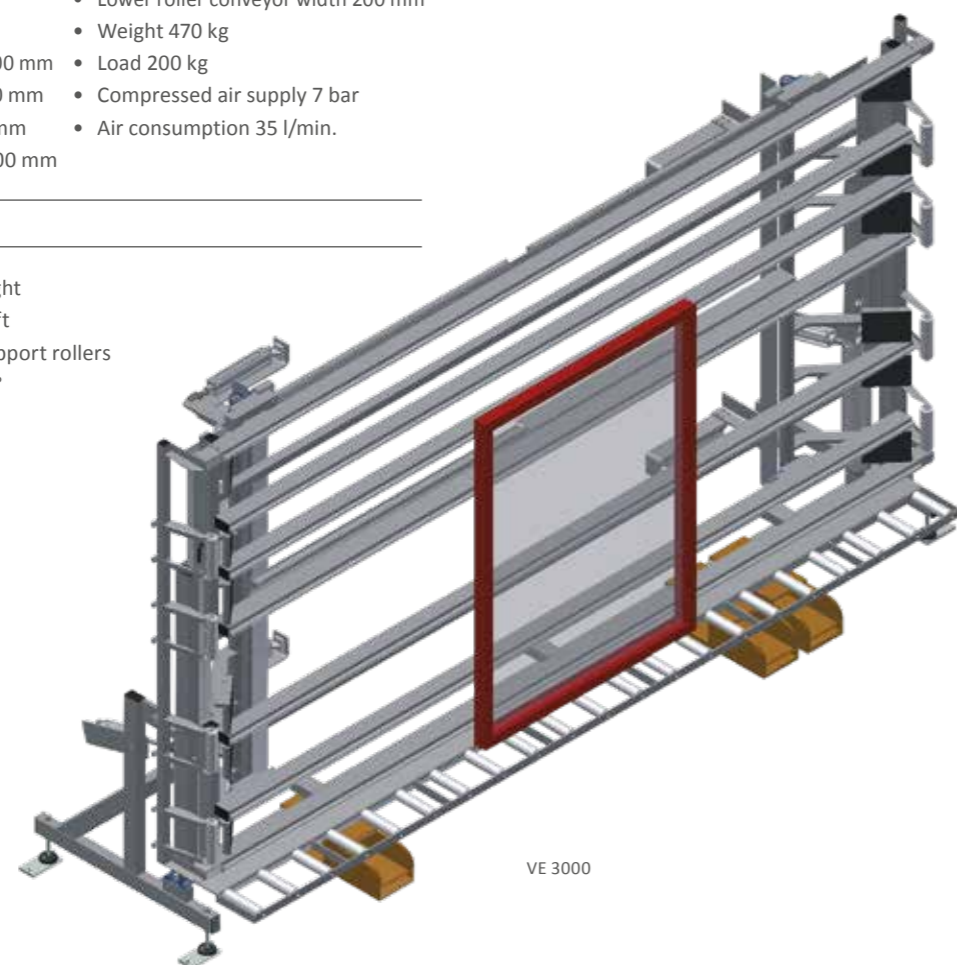
- Stable steel construction
- Quick and precise assembly of windows, doors and elements
- Precision ensured through parallel clamping bar pressing technique
- For glazing and functional checks
- For connecting frames and sashes
- Opening for weatherboard
- Height continuously adjustable
- Two pressing bars which fold down and can be moved pneumatically
- Easy operation by means of foot switch
- 4-fold compressed air supply

Technical specifications

- | | |
|--------------------------------|--------------------------------------|
| • Length 4,410 mm | • Clamping bar width 120 mm |
| • Width 1,180 mm | • Lower roller conveyor width 200 mm |
| • Height 2,600 mm | • Weight 470 kg |
| • Max. clamping width 3,000 mm | • Load 200 kg |
| • Min. clamping width 400 mm | • Compressed air supply 7 bar |
| • Height adjustment 500 mm | • Air consumption 35 l/min. |
| • Clamping bar height 2,300 mm | |

Options

- Lead-in rollers, compl., right
- Lead-in rollers, compl., left
- Profile protectors for support rollers
- Tilt adjustment of 0° – 8°



Inspection and glazing unit VE 4000

Art. no. 251 00 51 07

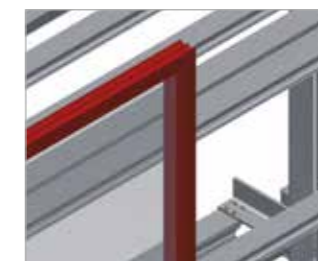
See VE 3000, however:

- Max. clamping width 4,000 mm
- Length 5,440 mm
- Height 2,600 mm
- Weight 580 kg



Pressing bar

Simultaneous folding and moving of the pressing bars ensure a minimum of time is required for opening and closing the press. Allows free pass-through of the window



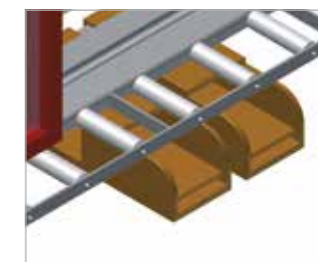
Support

Rear back support with plastic slide bars



Supports

Lower roller conveyor with support rollers, L = 200 mm



Foot switch

All functions are controlled via foot valves



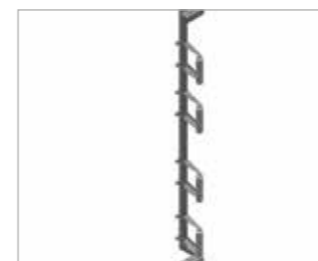
Profile protector

Profile protectors for support rollers 200 mm (Alu/21x) Support rollers covered with protective tubing for aluminium elements
VE 3000 Art. no. 252 20 63 03
VE 4000 Art. no. 252 20 63 06



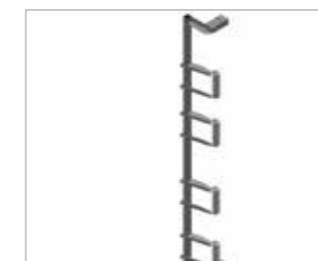
Tilt adjustment of 0° – 8°

Pneumatic tilt adjustment of 0° – 8° for VE 3000/VE 4000
Art. no. 251 20 63 02



Lead-in rollers, compl., right

Protective rollers for beginning or end of roller conveyor
Art. no. 251 20 97 00



Lead-in rollers, compl., left

Protective rollers for beginning or end of roller conveyor
Art. no. 251 20 97 01

10 | GLAZING UNITS

Inspection and glazing unit VE 3000/60

Art. no. 251 00 51 60

Inspection and glazing unit for glazing and final inspection

- Stable steel construction
- Quick and precise assembly of windows, doors and elements
- Precision ensured through parallel clamping bar pressing technique
- For glazing and functional checks
- For connecting frames and sashes
- With manually operated pressing bars
- Pneumatic centring
- Easy operation by means of foot switch
- Storage area for tools
- 4-fold compressed air supply

Technical specifications

- | | |
|--------------------------------|--------------------------------------|
| • Length 3,050 mm | • Clamping bar width 100 mm |
| • Width 900 mm | • Lower roller conveyor width 120 mm |
| • Height 2,600 mm | • Weight 370 kg |
| • Max. clamping width 2,800 mm | • Load 200 kg |
| • Min. clamping width 390 mm | • Compressed air supply 7 bar |
| • Clamping bar height 2,300 mm | • Air consumption 35 l/min. |

Optional

- Height adjustment VE 3000/60



VE 3000/60



Pressing bar

Pneumatic centring
Precision ensured through parallel clamping bar pressing technique



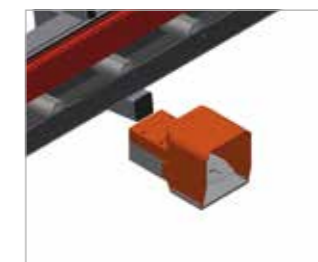
Support

Rear back support with plastic slide bars



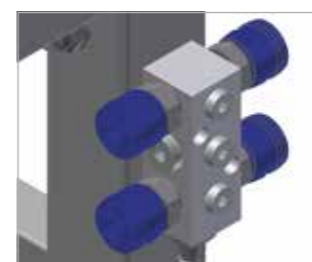
Supports

Lower roller conveyor with support rollers, L = 120 mm



Foot switch

All functions are controlled via foot valves



4-fold compressed air supply

4-fold compressed air supply for connecting compressed-air tools



Height adjustment VE 3000/60

Height continuously adjustable 500 mm
Art. no. 251 20 63 04

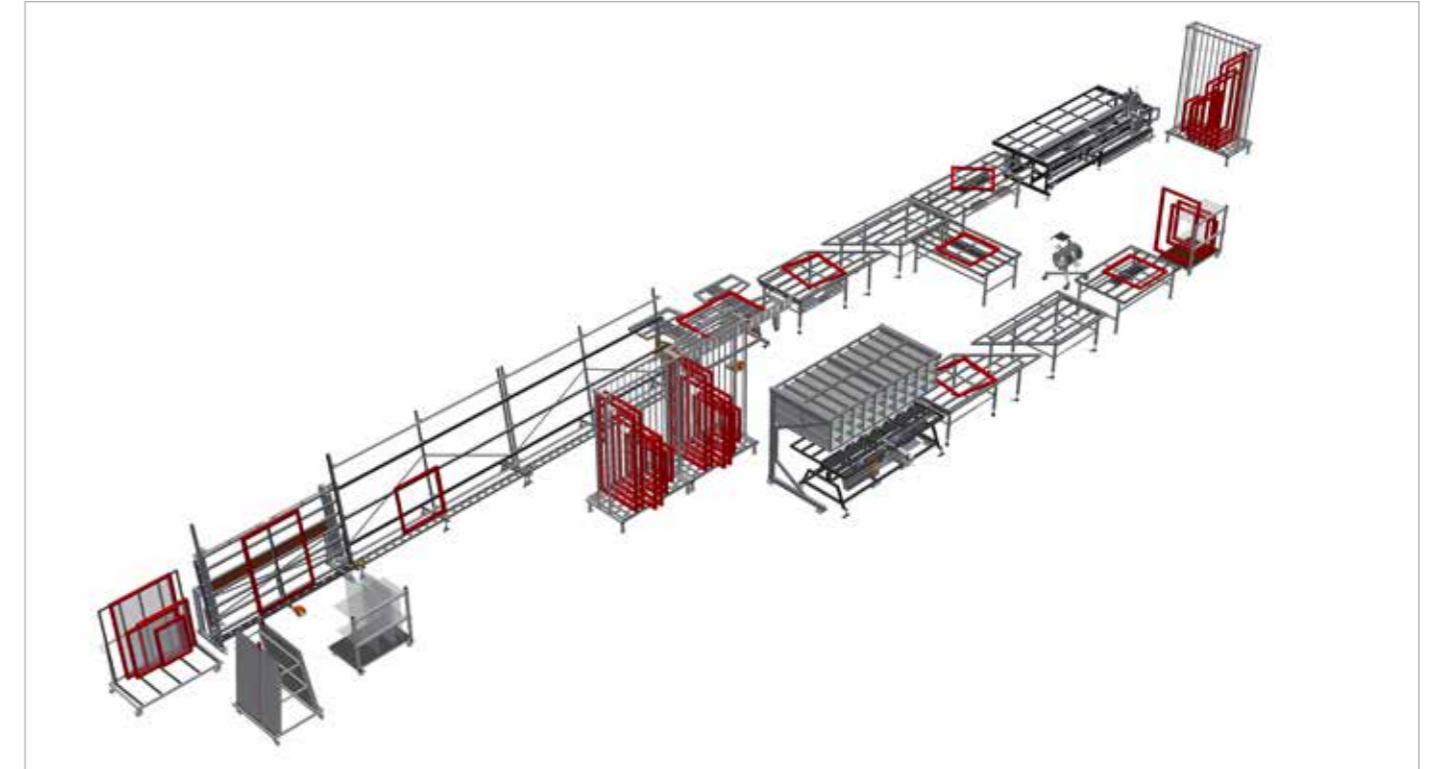
11 | PRODUCTION PLANNING – OPTIMISED PRODUCTION PROCESSES

When selecting the ideal product, one of the most important things to consider is which machine(s) can be integrated most easily and economically into your existing production process.

We offer you comprehensive solutions combined with international experience. Whether you are engaged in series or job production, we can always assist you in setting up suitable production structures.

Everything we provide is perfectly compatible – and you can have it all from a single source. This is a foundational element for the economic longevity of your company, whether for new planning or for change processes.

Together, we will examine your shop or production facility, analyse your environment and assist you in the subsequent design or optimisation based on the results. Short paths, material supply and material flow are only a few of the characteristics of an optimised production process. Other factors are covered by our broad product portfolio ranging from work tables to profile machining centres and on to glass handling systems, including sorting, for effective production planning.



Example of an assembly line for window and door production in PVC



Example of an assembly line for window and door production in aluminium



320 – 360 windows and doors in 8 hours



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