



**REHNEN**.de

Machinery – more than 50 years

Edge and profile sanding machines  
Handling equipment







**Maschinenbau Rehnen GmbH**

**We have been building machinery for more than 50 years – so our experience is your benefit!**

Rehnen Maschinenbau GmbH specialises in designing and building edge sanding and profile milling machinery. Leading staircase makers and joineries around the world use our edge processing machine and the SK1. Based in Germany's Emsland, Rehnen's speciality is simple and effective individual solutions.

**Durable, efficient machinery and optimum, well-designed transport solutions from a master mechanical engineer!**



Dear customers,

You are holding the new product catalogue for our woodworking machines. On the following pages, you will find a range of edge sanding machinery, profile milling machinery, special sanding machinery and lots more. All of our machines are designed right down to the very last detail and are highly efficient and solid. We are constantly striving to find the perfect solutions to meet all requirements. In collaboration with operators, we create innovative new developments to optimize our machines and your workmanship.

Take a look at our product range. If you have any questions, special requests or concerns, please do not hesitate to get in touch.



Heiner Rehnen



## Edge sanding machine Junior R1



**The highly robust Junior R1 offers all the features you would expect from a state-of-the-art edge sanding machine.**

A solid cast iron sanding unit equipped with a powerful motor ensures maximum sanding performance.

The spring-action, height-adjustable work table ensures optimum belt utilisation and safe working.

You also have the option of upgrading the device with a belt oscillator, a continuous-swivel unit, a veneer sanding unit and an additional table for sanding work on the pulley.



Swivel sanding unit



Veneer sanding unit

### Optional accessories:

- Motor-driven belt oscillator  
Approx. 10 mm
- Continuous-swivel sanding unit  
90 degrees
- Veneer-edge sanding unit
- Additional table on the pulley

### Technical data:

Voltage . . . . .	400 V, 50 Hz
Motor power . . . . .	2.2 kW
Sanding belt dimensions . . . . .	150 × 2,280 mm
Speed of sanding belt . . . . .	22 m/sec
Table size . . . . .	350 × 750 mm
Space requirements . . . . .	800 × 1,000 mm
Weight . . . . .	100 kg
Extractor connection . . . . .	Diameter 100 mm
Noise emitted at work station . . . . .	83 dB (A)





## Edge sanding machine Rehnen R1



The high-quality edge sanding machine R 1 is designed for demanding sanding work. Thanks to its high-performance cast iron sanding unit and optional pneumatic oscillator, the R 1 is designed to achieve a high level of surface quality. A height-adjustable work table ensures safe handling of the workpiece and ergonomic working.

To further boost the performance of the R 1, you have the option of upgrading the device with a continuous-swivel unit, a veneer sanding unit and an additional table for sanding work on the pulley.



Swivel sanding unit

### Optional accessories:

- Continuous-swivel sanding unit 45 degrees
- Pneumatic unit oscillator 90 degrees
- Pneumatic unit oscillator Swiveling – 45 degrees
- Veneer sanding unit
- Additional table on the pulley
- Sanding belt width of 200 mm
- Transport unit with large rollers
- Bracket for feeding unit
- Pole-changing motor
- Various pulley diameters

### Technical data:

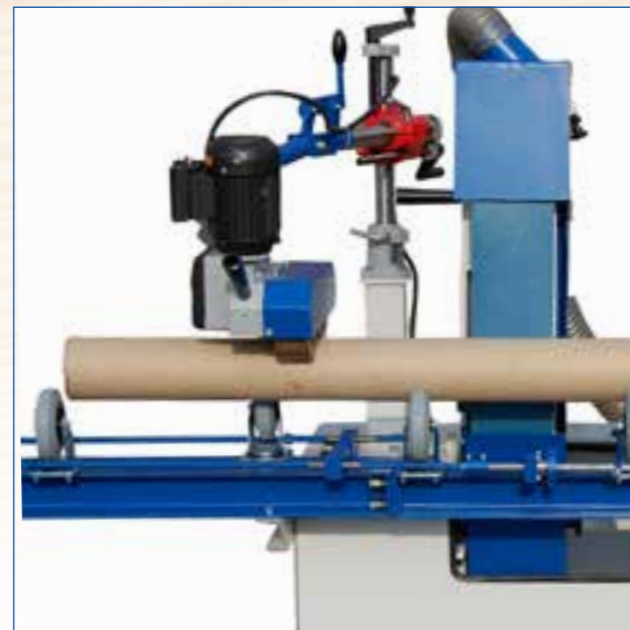
Voltage . . . . .	400 V, 50 Hz
Motor power . . . . .	3 kW
Sanding belt dimensions . . . . .	150 x 2,280 mm
Speed of sanding belt . . . . .	22 m/sec
Table size . . . . .	350 x 750 mm
Space requirements. . . . .	800 x 1,000 mm
Weight . . . . .	From 200 kg
Extractor diameter . . . . .	100 mm
Noise emitted at work station. . . . .	83 dB (A)







## Round wood sanding machine RSM-1



Sanding unit with feed unit

The round wood sanding machine RSM is specially designed for sanding work on round wood (flagpoles, fences, playground equipment, etc.). The long roller track with its carrying idlers and adjustable feed unit transports the workpiece along the sanding unit. The generously dimensioned sanding unit with its flexible sanding shoe ensures a high-quality sanding result.

The feed unit can be constructed to various lengths depending on customer requirements. Customers can also choose the number of sanding units they require.

### Technical data:

Voltage . . . . .	400 V, 50 Hz
Motor power . . . . .	3.74 kW
Sanding belt dimensions . . . . .	150 x 2,280 mm
Speed of sanding belt . . . . .	22 m/sec
Machine dimensions . . . . .	Variable
Weight . . . . .	Approx. 800 kg
Extractor diameter . . . . .	100 mm

### Optional accessories:

- Various roller track lengths
- Multiple sanding units

## Sanding and polish machine PSM-1



Sanding brush with adjustable extraction hood

The sanding and polish machine PSM 1 is designed for a wide range of surface finishing tasks – but the PSM really comes into its own when used for sanding moulded parts.

The mounting spindle can accommodate a wide range of brush tools or sanding drums.

An optional continuously variable speed controller allows operators to choose exactly the right speed.

### Optional accessories:

- Continuously variable speed controller

### Technical data:

Voltage . . . . .	400 V, 50 Hz
Motor power . . . . .	2.2 kW
Rpm . . . . .	1,000/1,500 or 1,500/3,000
Shaft diameter. . . . .	30 mm
Max. abrasive diameter . . . . .	350 mm
Max. abrasive width. . . . .	275 mm
Space requirements. . . . .	800 x 1,500 mm
Weight . . . . .	From 180 kg
Extractor diameter. . . . .	2 x 160 mm



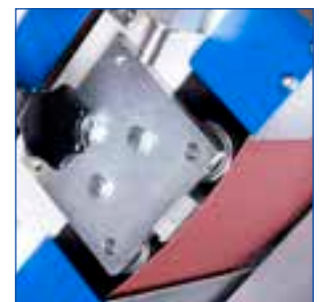
## Edge sanding machine RS-2010



Swivel sanding unit



Veneer sanding unit



Sanding shoe

**The model for enhanced user-friendliness. The edge sanding machine RS 2010, which features a diverse range of equipment, performs all edge sanding tasks in the field of woodworking.**

Thanks to the rapid changeover from freehand sanding to veneer sanding, the belt oscillator and a continuous-swivel sanding unit, this is a universal solution for all your finishing needs. The pneumatically height-adjustable working table and pneumatic belt tensioner ensure easy handling.

### Technical data:

- Pneumatically height-adjustable working table
- Continuous-swivel sanding unit up to 45°
- Switchable electric oscillator  
Approx. 20 mm
- Easy changeover to veneer-edge sanding
- Pneumatic belt tensioner
- Digital display 0° – 45° for the sanding unit
- Stable working table at the pulley
- Bracket for feeding unit
- Cross-cut mitre fence

### Technical data:

Voltage . . . . .	400 V, 50 Hz
Motor power . . . . .	3 kW
Sanding belt dimensions . . . . .	200 × 2,700 mm
Speed of sanding belt . . . . .	22 m/sec
Table size . . . . .	450 × 920 mm
Space requirements . . . . .	1,200 × 2,000 mm
Weight . . . . .	500 kg
Extractor diameter . . . . .	120 × 80 mm
Noise emitted at work station . . . . .	83 dB(A)



## Edge sanding machine SK-1



**The edge sanding machine SK-1 is ideal for sanding large, curved and straight workpiece edges. The SK 1 is primarily used for sanding radii and moulded parts.**

The sanding unit, which features radii of 80 mm, 300 mm and 1,000 mm, is also equipped with a straight sanding surface.

The pneumatic, continuously height-adjustable oscillator and heavy cast iron sanding unit ensure full belt utilization and a high-precision sanding result.

The generously sized, circumferential working table with integrated extraction ensures easy and ergonomic working.



Curved working side, radius R 1,000 mm



Veneer sanding unit and circumferential table extraction



Swivelling additional table

### Technical data:

Voltage . . . . .	400 V, 50 Hz
Motor power . . . . .	4 kW
Sanding belt dimensions . . . . .	150 x 2,700 mm
Speed of sanding belt . . . . .	15 m/sec
Table size . . . . .	345 x 2,000 mm
Space requirements. . . . .	2,000 x 3,000 mm
Weight . . . . .	560 kg
Extractor connection . . . . .	Diameter 140 mm
Air requirement . . . . .	80–90 l/min
Continuously variable pneumatic oscillator, adjustable . . . . .	30–130 mm
Noise emitted at work station. . . . .	84 dB (A)

### Optional accessories:

- Transport unit with large rollers
- Sanding belt width: 200 mm
- Swivelling additional table
- Veneer sanding unit
- Other sanding belt widths available upon request



## Edge sanding machine Duo-K-150



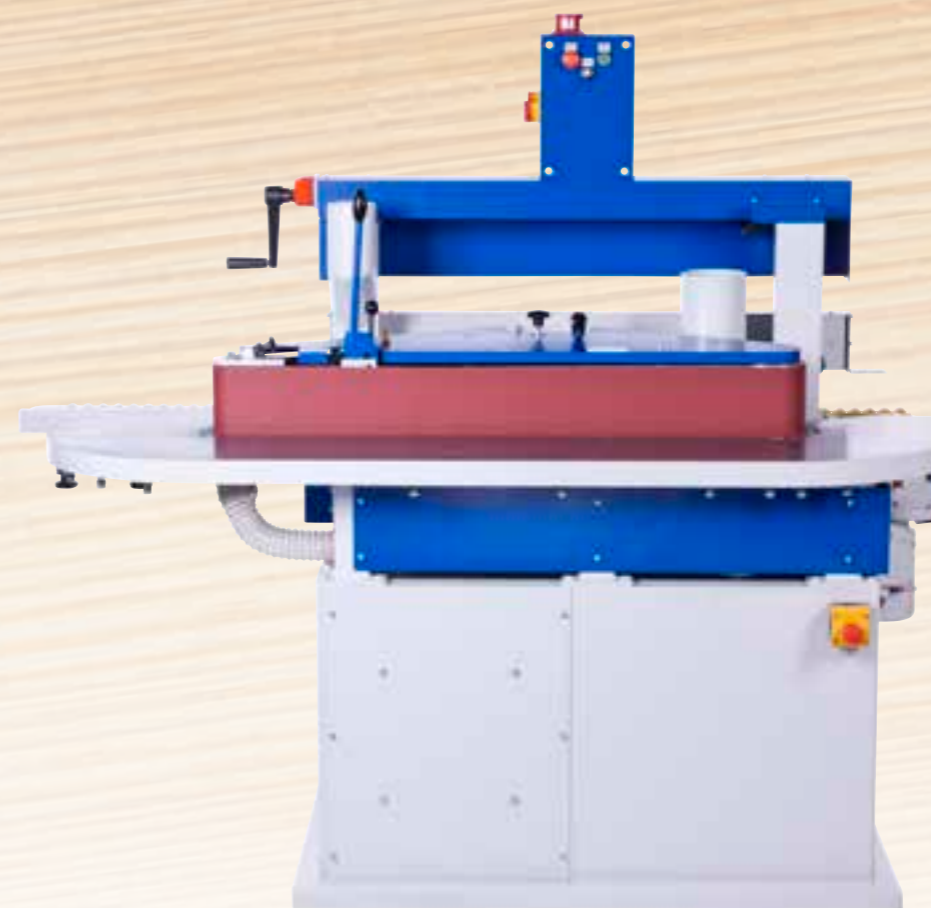
### The Duo K 150 is a real all-rounder when it comes to sanding.

It is designed for almost any conceivable application. It can be used for the freehand finishing of curved and straight workpieces.

The circumferential working table with integrated extraction ensures a safe and high-precision sanding result.

A chain feed with downholder unit is available for safe conveyance and high-precision, high-volume sanding. The sanding shoe integrated in the sanding unit ensures a high-precision sanding result here. The pneumatic, continuous-oscillation sanding unit features a straight sanding surface, a sanding shoe and a radius sanding unit with diameters of 80 mm and 140 mm.

The DUO K is primarily used for finishing furniture parts, staircase steps, borders etc.



Feed unit

### Optional accessories:

- Pneumatically controlled sanding shoe
- Adjustable feed speed

### Technical data:

Voltage . . . . .	400 V, 50 Hz
Motor power . . . . .	4 kW
Sanding belt dimensions . . . . .	150 x 2,700 mm
Speed of sanding belt . . . . .	22 m/sec
Feed speed . . . . .	6 m/min
Table size . . . . .	300 x 1,800 mm
Space requirements . . . . .	900 x 3,000 mm
Weight . . . . .	620 kg
Extractor connection (diameter)	140 mm, 80 mm
Continuously variable pneumatic oscillator, adjustable . . . . .	30–130 mm
Air requirement . . . . .	80–90 l/min
Noise emitted at work station . . . . .	84 dB(A)



Manual radius sanding



Straight working side with integrated extraction



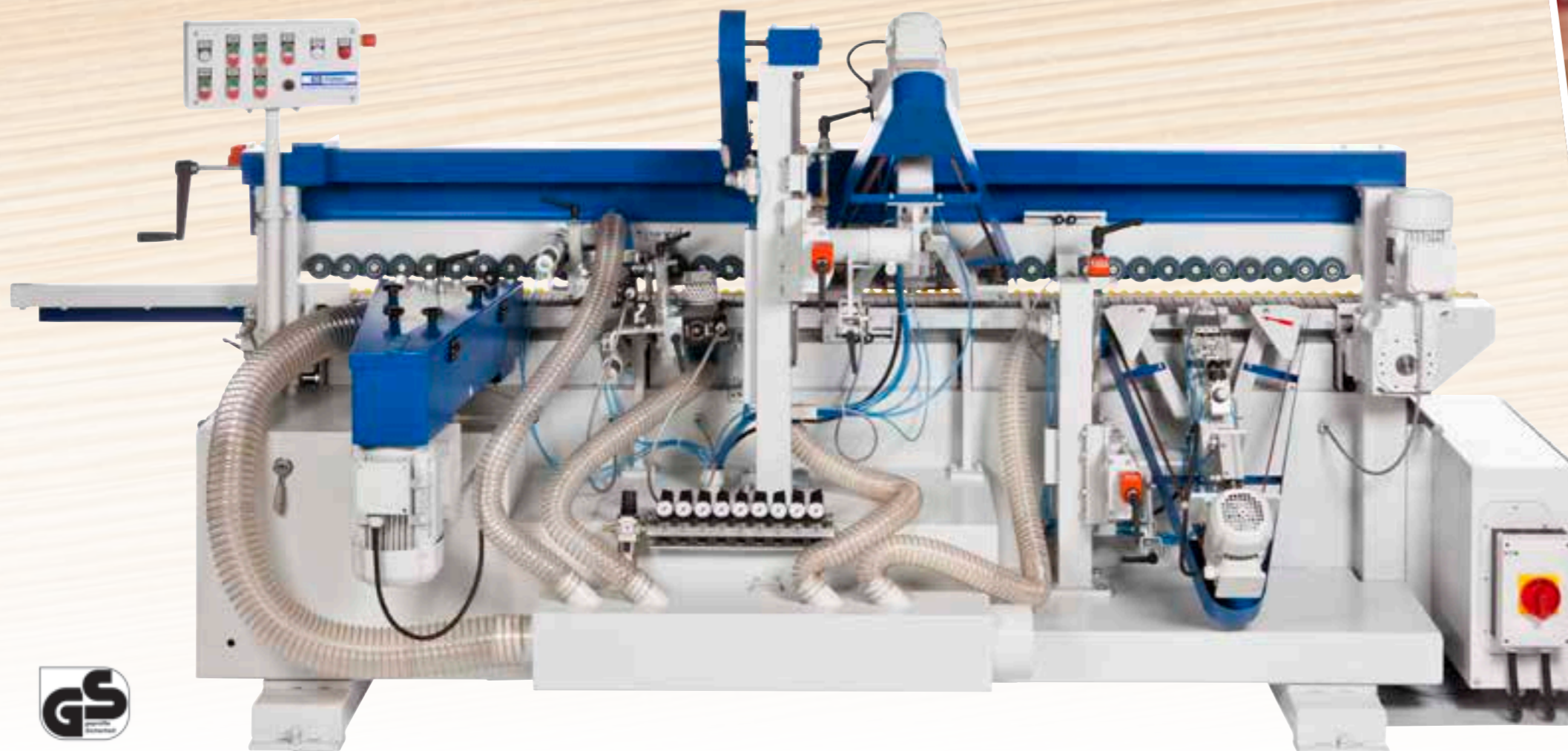
# Profile shaping and sanding machine KBA

The KBA  
in practice



"We use the KBA every day, and it performs outstandingly, whatever the task."

Schreinerei Schmitz



To make the process of edge-finishing solid wood, MDF and other board materials even more cost-effective and effective, the profile shaping and sanding machine from Maschinenbau Rehn GmbH has been further refined.

Thanks to its modular construction, the KBA can be equipped with differing edge sanding units, milling units, profile sanding units and brush units.

This means that different tools can be fitted to the finishing unit which, in turn, reduces machine set-up times.



Grooved sanding roller on edge sanding unit



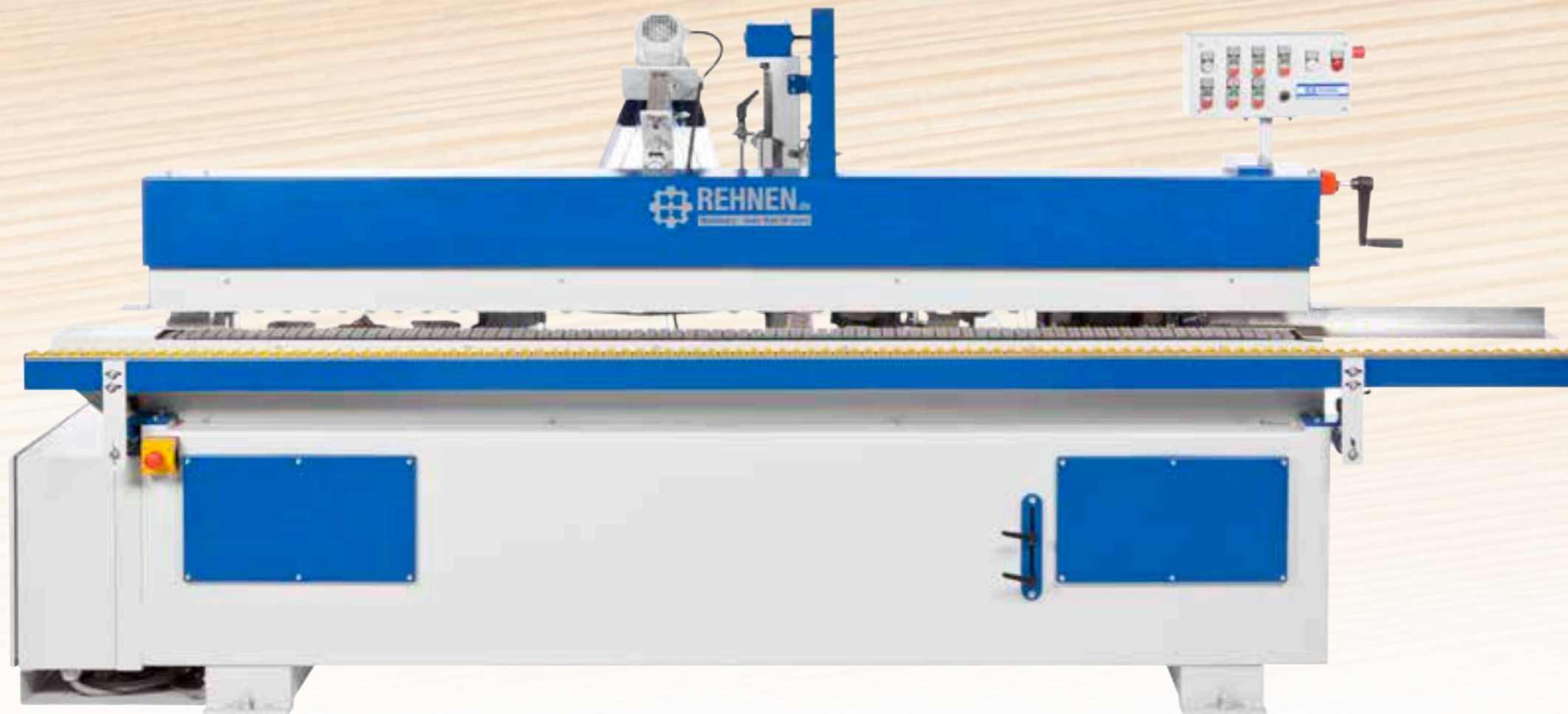
Profile sanding unit

**Technical data:**

Voltage . . . . .	400 V, 50 Hz
Connection power . . . . .	6 kW
Motor power of the edge sanding unit . . . . .	3 kW
Sanding belt dimensions (edge) . . . . .	150 x 2,000 mm
Continuously variable pneumatic oscillator, adjustable . . . . .	30–130 mm
Motor power of the milling unit . . . . .	0.55 or 1.1 kW
Motor power of the profile sanding unit . . . . .	0.37 kW
Sanding belt dimensions (profile) . . . . .	30 x 1,960 mm
Machine size . . . . .	1,000 x 3,600 mm
Feed speed . . . . .	2–10 m/min
Material thickness . . . . .	10–60 mm or 20–90 mm
Min. material length . . . . .	200 mm
Min. material width . . . . .	40 mm (during transport)
Weight . . . . .	Approx. 900 kg
Extractor diameter . . . . .	1 x 160 mm
Sound power level: (DIN EN ISO 7346)	
Idling . . . . .	86 dB(A)
Finishing . . . . .	87 dB(A)
Noise emitted at work station: (DIN EN ISO 11202)	
Idling . . . . .	76 dB(A)
Finishing . . . . .	77 dB(A)
Measurement uncertainty allowance K . . . . .	4 dB(A)



## Profile shaping and sanding machine KBA



Profile sanding on top/bottom



Edge sanding



Profile milling unit top/bottom

### Sanding unit

- Oscillating sanding and fine sanding via a grooved sanding roller and sanding shoe
- Continuously variable oscillation of the entire sanding unit between 30 mm and 130 mm
- Motor power 3 kW

### Milling unit

- Milling of radii and chamfers (top/bottom) at 12,000 rpm
- Controlled by frequency converter
- Units are mounted so that the profile is traced

### Profile sanding unit

- Profile sanding of radii and chamfers (top/bottom) with endless sanding belts
- Electropneumatic and air-cooled profile steel shoe

### Feed

The feed unit for the KBA takes the form of a chain plate feeder with a downholder bar that conveys workpieces firmly and securely past the finishing units.

Workpieces with a height of up to 80 mm and a length of 50 mm can be finished. The upper finishing units for profile milling and sanding travel along together in parallel and at the same height depending on the material thickness setting.



## Handling equipment

### Designed by experts for experts!

Handling equipment from Rehnen is tried and tested by the industry every day – and helps you exactly where it is needed. Whether for lifting, tipping and handling heavy sheeting and workpieces, for storing freshly painted workpieces or even for changing a wheel on wheeled loaders, tractors or truck-tyres,

Rehnen offers a variety of cleverly designed items of small equipment that make your work easier and take the strain off your back.

The solid design and integrated brakes offer a high degree of safety – even when they are used by a single person.



Varioflex



Ecoflex

Stabiloflex

Technical data:	Varioflex	Ecoflex	Stabiloflex
Length:	200–2,000 mm	200–1,500 mm	300–2,000 mm
Depth:	870–1,180 mm	870–1,180 mm	1,200 mm
Height:	1,855 mm	1,855 mm	2,105 mm
Support tube length: (retracted/extended)	650 mm/1,150 mm	650 mm	900 mm
Spacing of support tubes:	60 mm	60 mm	73 mm
Safe load:	400 kg	400 kg	900 kg
To be loaded on both sides:	✓	✓	–
Encaseable tubes:	Optional	✓	–
Extendible tubes:	✓	–	–
Depth-variable:	✓	✓	–



## Ecoflex drying rack



Extendible carriage

**The cost-effective Ecoflex drying rack is a space-saving and gentle solution for storing painted workpieces. The four swivel castors mean that it can also be used for transporting workpieces.**

Its solid tube frame design can be adjusted between 200 mm and 1,500 mm.

With 17 plastic-coated support tubes on each side, the rack can support up to 400 kg of evenly distributed weight. The plug-in support tubes can be taken out and re-inserted on the rear side as needed.

When not in use, the drying rack can be collapsed and takes up minimal space.

**Optional accessories:**

- Additional racks

**Technical data:**

Length	200–1,500 mm
Depth	870–1,180 mm
Height	1,855 mm
Support tube length	650 mm
Support tube spacing	60 mm
Safe load	400 kg



# Varioflex drying rack



The user-friendly Varioflex drying rack is a space-saving and gentle solution for storing painted workpieces. The four swivel castors mean that it can also be used for transporting workpieces.

Its solid tube frame design can be adjusted between 200 mm and 2,000 mm.

With 17 inside and outside plastic-coated support tubes on each side, the rack can support up to 400 kg of evenly distributed weight. The plug-in

inside and outside support tubes can be taken out and re-inserted as needed.

When not in use, the drying rack can be collapsed and takes up minimal space.

**Optional accessories:**

- Plastic-coated support tubes
- Additional racks



Tubes can be inserted on both sides



Quick locking of support tubes



Telescopically extendible support tubes

**Technical data:**

Length . . . . .	200–2,000 mm
Depth . . . . .	870–1,180 mm
Height . . . . .	1,855 mm
Variable support tube length . . . . .	650–1,150 mm
Support tube spacing . . . . .	60 mm
Safe load . . . . .	400 kg



## Stabiloflex drying rack



### Optional accessories:

- Plastic-coated support tubes
- Additional racks

The highly stable Stabiloflex allows you to store and dry heavy loads. Its high safe load of 900 kg of evenly distributed weight and the 900 mm-long galvanised support tubes are ideal for accommodating deep workpieces. The four polyamide swivel castors offer a high degree of stability and excellent mobility. If two racks are not enough, you can easily add more.

### Technical data:

Length	300 × 2,000 mm
Depth	1,200 mm
Height	2,105 mm
Support tube length	900 mm
Support tube spacing	73 mm
Safe load	900 kg

## Lackfix rotary lacquer stand



The rotary lacquer stand for successful work. Thanks to its adjustable support arms and rotary height adjustment, the lacquer stand can be adjusted to suit any conditions. Its stable design means it can support workpieces of up to 300 kg.

### Technical data:

Length	Max. 1,850 mm
Width	Max. 800 mm
Height	1,000 – 1,300 mm
Safe load	300 kg



## PSF-250 transport and storage cart



The board swivelling system helps you to move large boards from an upright to a horizontal position. The support frame is hydraulically height-adjustable and can also be swivelled as required. Support castors assist in moving boards into a horizontal position.

Four swivel castors ensure safe in-house transport.

### Technical data:

Support height

· Upright . . . . . Approx. 120–340 mm

· Horizontal . . . . . Approx. 890–1,200 mm

Max. board size . . . . . 5,200 × 2,100 mm

Safe load . . . . . 250 kg



## TWL 1000 stringer and long parts cart

## TKW 2000 transport and picking cart



The TWL 1,000 stringer and long parts cart is ideal for transporting and mounting components.

The ergonomic height of the upper surface means that it can also be used as a mobile work bench, while the lower surface can be used for transporting items.

Technical data:	
Length	1,500 mm
Width	800 mm
Height	1,000 mm
Safe load	500 kg

Ideal for transporting and picking workpieces (windows, doors, board cuttings, frames, etc.). V-frame takes the strain off your back. Can be pushed together to save space.

**Optional accessories:**

- Traverse for fork-lift

Technical data:	
Length	Approx. 1,480 mm
Width	1,150 mm
Height	2,000 mm
Safe load	800 kg



## Wall rack



The Rehnen wall rack transforms ordinary walls into storage space. The solid tube frame construction with nine extendible support tubes is simply screwed onto the wall. The individual wall holders are hung so that it can be rotated and can support up to 200 kg.

### Optional accessories:

- Supplementary set

### Technical data:

Length	.....	Variable
Depth	.....	870 mm
Height	.....	1,700 mm
Support tube length	.....	650 mm
Support tube spacing	.....	60 mm
Safe load	.....	200 kg

## Satisfied customers speak for themselves

Our references





## Our delivery programme



- Edge sanding machinery
- Profile sanding machinery
- Radius sanding machinery
- Polish sanding machinery
- Transport and drying racks
- Special sanding machinery for staircase makers
- Stringer sanding machinery
- Special sanding machinery
- Round wood sanding machinery
- Deburring and metal sanding machinery
- Throughfeed and machining equipment for wood and metal

**Just ask us, and we'll find the right solution for your sanding needs!**  
**Our machines are dust-proof to CE and GS.**

More detailed information on our products can be obtained directly from **Maschinenbau Rehnen GmbH** or from our website: [www.rehnen.de](http://www.rehnen.de)



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