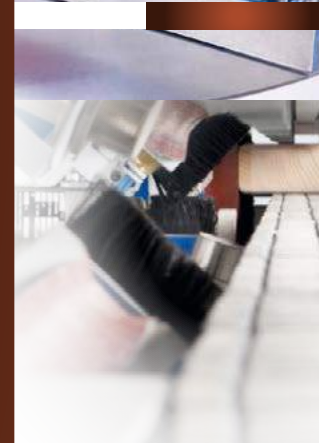
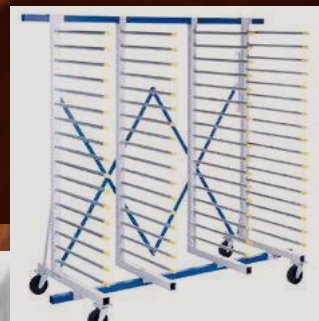


Our Experience Your Benefit The Complete Spectrum

hamann-partner.com

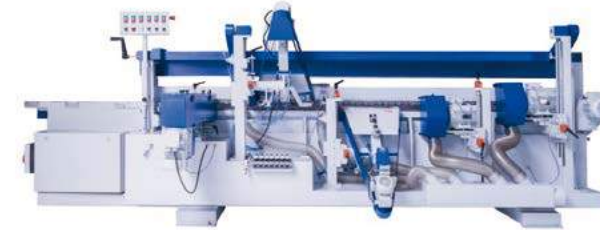
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HANDLING EQUIPMENT FOR WOODWORK



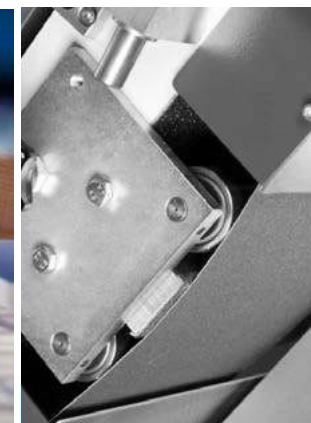
Rehnen GmbH & Co. KG
Gewerbegebiet
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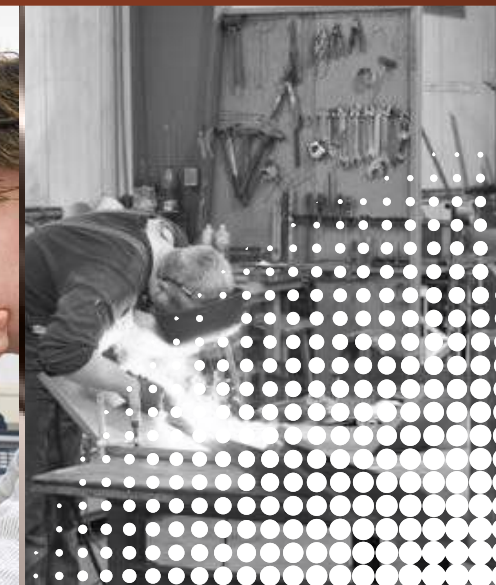
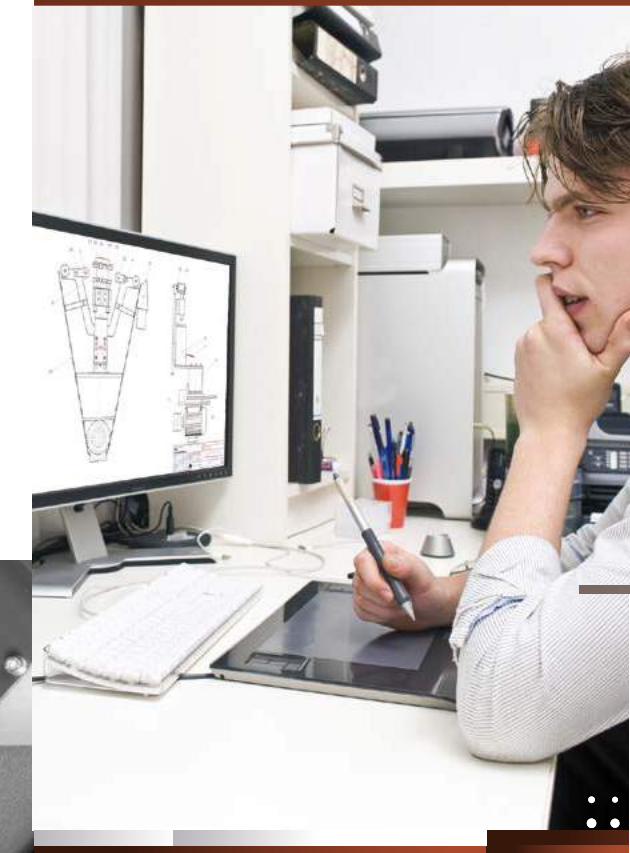
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We love your curves and edges



Edge and profile sanding machines Handling equipment



Frank Rehnen

Ideal solutions for all requirements

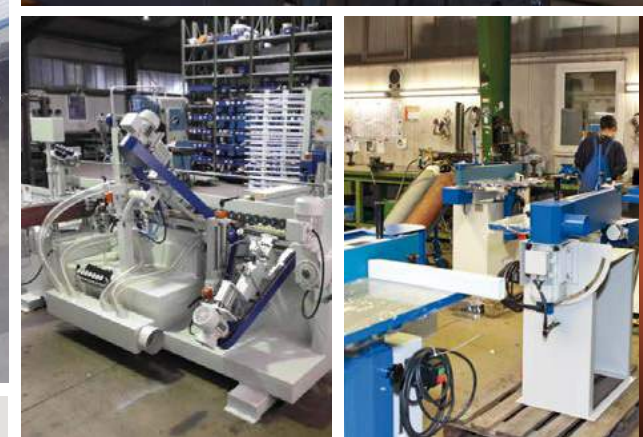
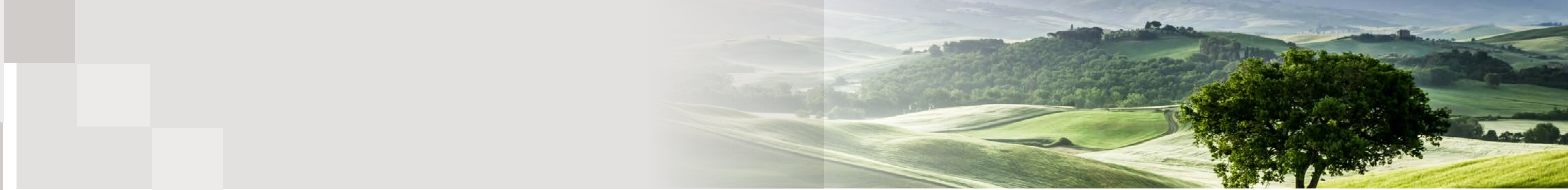
Dear Clients,

You are holding the new product catalogue of our woodworking machines and handling equipment in your hands. On the following pages you will find a host of edge sanding, profile milling and special sanding machines as well as many other tools and accessories. All our machines are well thought-out to the last detail. They can be operated efficiently and are built to last.

We work tirelessly on finding the perfect solution for your requirements. Our close cooperation with our product users enables us to implement innovative new developments and to optimise both our machines and the processes in your trade. But this is not all the news we have for you. We have also had a generational succession at management level. This way we intend to ensure continuity and stability in all our doings.

Now have a look at our product portfolio, and if you have any questions, special requests or ideas – we would love to hear from you.

Yours
Frank Rehnen



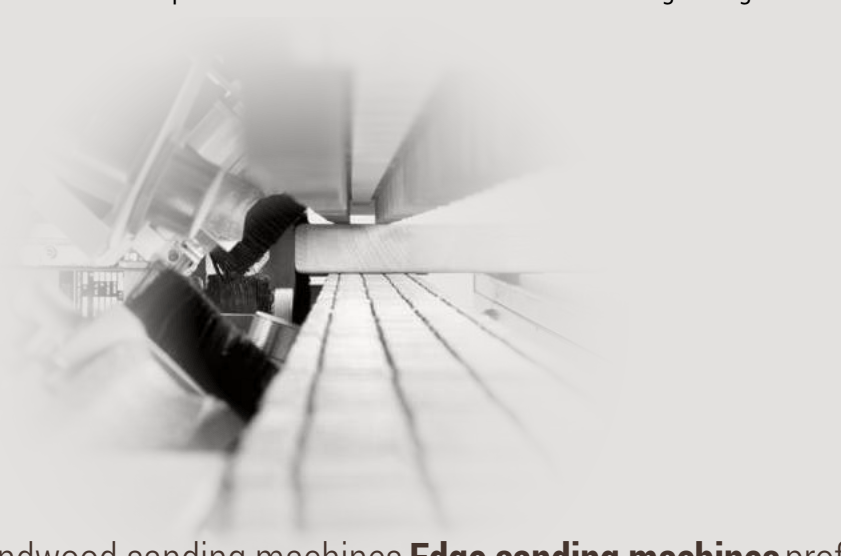
Satisfied customers speak for themselves Our references



Rehnen GmbH & Co. KG We have been constructing machines for over 50 years

Die Rehnen GmbH & Co. KG KG specialises in the development and construction of edge grinding and profile milling machines. Our edge sanding machine and SK1 is used by leading stair builders and carpenters worldwide.

Customised solutions, simple and sensible – this is a specialty of the enterprise from the Emsland region. Efficient machines, built to last and the matching, well thought-out transport solutions from a German engineering master.



Customised solutions, simple and sensible – this is a specialty of the enterprise from the Emsland region.

Roundwood sanding machines **Edge sanding machines** profile sanding machines **polishing machines**

The guidelines of our enterprise determine what we do and how we act

1. Quality and reliability always take top priority with all our services and products
2. It is our aim to develop ideal solutions for our clients
3. We never stop learning. We continuously increase our knowledge – through training courses and seminars as well as through regular information and experience exchanges. We always test the latest technologies and methods for their potential use for our partners and clients.
4. We master the challenges of our work by combining tried and tested methods with innovative concepts, and we do this against the backdrop of finding environmentally-friendly and energy-efficient technical solutions.
5. To ensure our joint success, we always take an open, honest and constructive approach. This applies both internally to our staff and externally to our customers, partners and competitors. Long-term, steady working and customer relationships as well as trusting relationships and close cooperation with all our partners are our main concerns.
6. Through thinking ahead, creating new products together and sharing responsibility, we make a personal contribution towards the entrepreneurial success of Rehnen GmbH & Co. KG.



stair stinger grinding machines **radius sanding machines** transport and drying racks

The smarter **wood treatment!**



**SOPHISTICATED,
POWERFUL,
FLEXIBLE**



Technical data	
Voltage	400 V, 50Hz
Engine performance	2,2 kW
Sanding belt dimensions	2280 x150 mm
Sanding belt speed	22 m/sec
Workbench dimensions	750 x 350 mm
Space requirements	1000 x 800 mm
Weight	100 kg
Extraction connection	Ø 100 mm
workplace-related emission level	83 dB(A)

Edge sanding machine Junior R1

The robust Junior R1 provides all properties of a state-of-the-art edge sanding machine.

A solid grey iron sanding unit with a strong motor ensures an excellent sanding performance. The height-adjustable workbench (spring-pressure operated) facilitates the perfect utilisation of the belt and safe operation of the unit. Pneumatic belt tension ensures quick and easy belt changes as well as a smooth and steady belt performance. The veneer sanding units can also be retrofitted.

Equipment:

- Swivel mounted sanding unit 90-180°
- Motoric belt oscillation
- Table at pulley
- Pneumatic belt tension



OPTIONALLY AVAILABLE ACCESSORIES

- Veneer edge sanding unit



Sanding unit: swiveled





**SOLID,
POWERFUL,
FOR EXTREMELY
HIGH SANDING
PERFORMANCE**



Technical data

Voltage	400 V, 50Hz
Engine performance	3 kW
Sanding belt dimensions	2280 x 150 mm
Sanding belt speed	22 m/sec
Workbench dimensions	350 x 750 mm
Space requirements	1000 x 800 mm
Weight	from 200 kg
Suction Ø	100 mm
Workplace-related emission level	83 dB(A)

Edge sanding machine R1

The sophisticated edge grinding machine R 1 has been designed for high-end grinding and sanding work.

The height-adjustable workbench ensures an ergonomic workplace and total belt utilisation.

For even more performance, the R1 can also be retrofitted with a veneer sanding unit.

Equipment:

- pneumatic oscillation of the unit
- swivel-mounted 90-135°
- small additional workbench

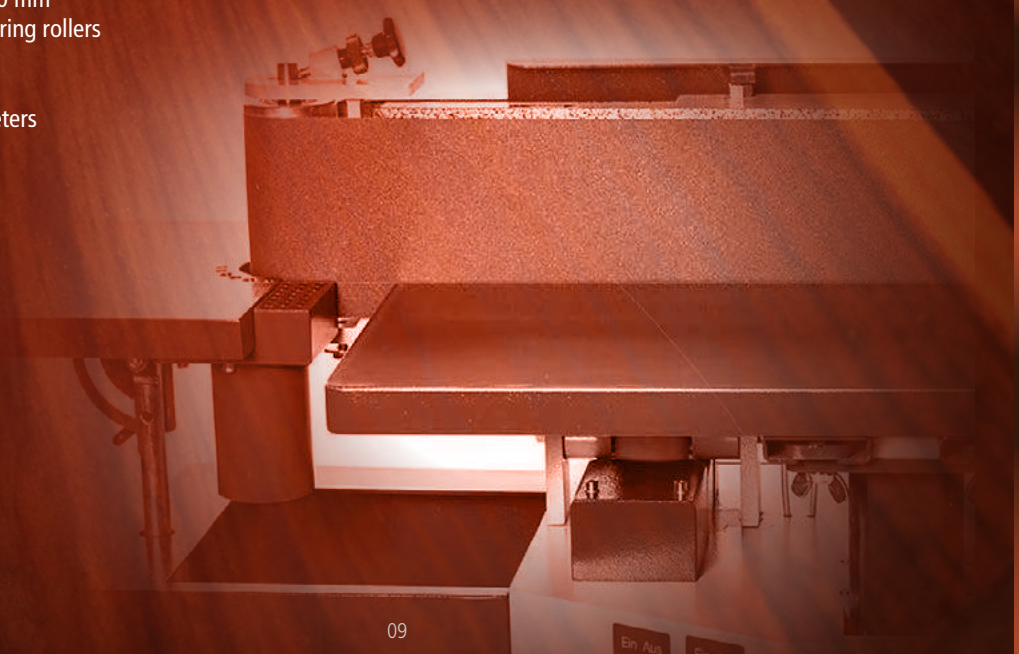


Sanding unit



OPTIONALLY AVAILABLE ACCESSORIES

- Veneer sanding unit
- Sanding belt width from 200 mm
- Mobile base with large steering rollers
- Feed Workbench
- Pole-changeable motor
- Pulleys with different diameters





MAIN AREA OF APPLICATION: GRINDING OF CURVED PARTS



Technical data

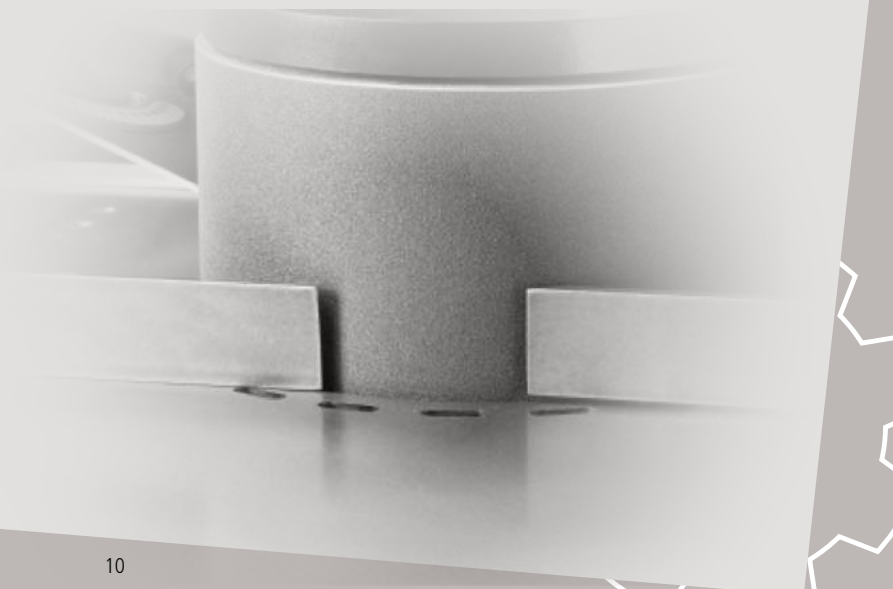
Voltage	400 V, 50Hz
Engine performance	4 kW
sanding belt dimensions	150 x 2700 mm
sanding belt speed	15 m/sec
Workbench dimensions	345 x 2000 mm
Space requirements	2000 x 3000 mm
Weight	560 kg
Extraction connection	Ø 140 mm
Air requirements	89 - 90 l/min
freely-adjustable pneumatic aggregate	30-130 mm
Workplace-related emission level	84 dB(A)

Edge Sanding machine SK-1

The Edge sanding machine SK-1 ideally suited for the sanding of curved and straight parts. Main area of application of the SK 1 is the grinding of radii and moulded parts.

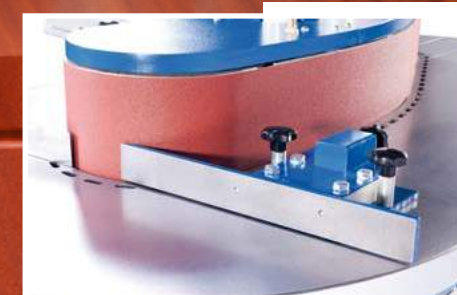
The sanding unit which boasts pulleys of Ø 80 mm, drive pulley Ø 300 mm and 850 mm also has a straight sanding available.

The pneumatic, height-adjustable oscillation and the heavy grey iron sanding unit allow for the utilization of the whole grinding belt and a precise grinding result. The spacious circumferential workbench with integrated suctioning facilitates easy and ergonomic operating of the machine.



OPTIONALLY AVAILABLE ACCESSORIES

- Mobile base with large steering rollers
- Veneer sanding unit
- Other sanding belt widths on request



Veneer sanding unit



Swivel-mounted
additional workbench



MAIN AREA OF APPLICATION: GRINDING OF CURVED PARTS



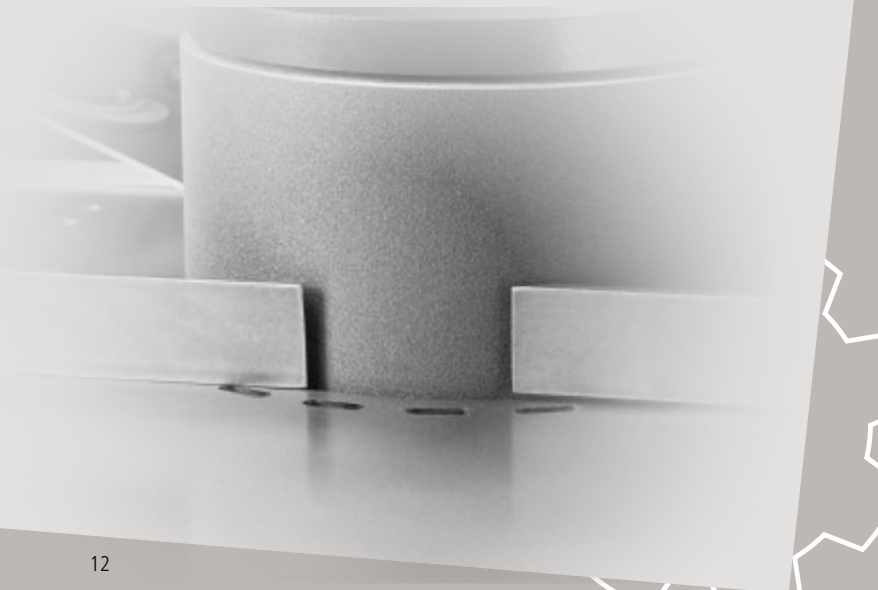
Technical data

Voltage	400 V, 50Hz
Engine performance	4 kW
Sanding belt dimensions	200 x 3200 mm
Sanding belt speed	15 m/sec
Workbench dimensions	345 x 2200 mm
Space requirements	2000 x 3200 mm
Weight	580 kg
Extraction connection	Ø 140 mm
Air requirements	89 - 180 l/min
freely-adjustable pneumatic aggregate oscillation, adjustable	30-180 mm
Workplace-related emission level	84 dB(A)

Edge sanding machine SK-2

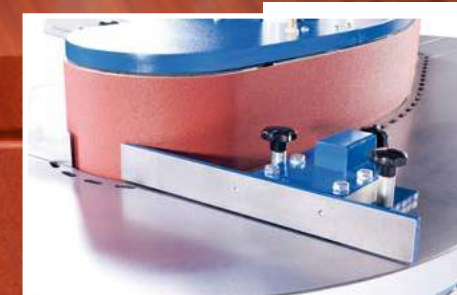
The edge sanding machine Type SK-2 is ideally suited for the grinding of large, curved and straight edges. The main area of application of the SK 2 is the sanding of curved parts.

The sanding unit which boast pulley of Ø 80 mm, drive pulley of Ø 300 mm and 1050 mm, also has a straight grinding area available. The pneumatic, height-adjustable oscillation and the heavy grey iron sanding unit allow for the utilisation of the complete sanding belt and a precise grinding result. The spacious circumferential workbench with integrated suctioning facilitates easy and ergonomic operating of the machines.



OPTIONALLY AVAILABLE ACCESSORIES

- Veneer sanding unit
- Other Sanding belt widths on request



Veneer sanding unit
and circumferential
workbench suction



ALL-ROUND TREATMENT IDEAL FOR CARPENTERS



Technical data

Voltage	400 V, 50Hz
Engine performance	3 kW
Sanding belt dimensions	2700 x 200 mm
Sanding belt speed	22 m/sec
Workbench dimensions	920 x 450 mm
Space requirements	2000 x 1200 mm
Weight	500 kg
Suction Ø	120 x 80 mm
Workplace-related emission level	83 dB(A)

Edge sanding machine RS-2010

The model for more comfort. Edge sander RS 2010 with its versatile equipment provides all-round treatment in edge sanding; ideal for carpenters.

The speedy change from manual sanding to edge or veneer sanding, the belt oscillation and the freely-adjustable swivelling of the sanding unit permit universal product treatment. The pneumatically height-adjustable workbench and the pneumatic belt tension ensure easy handling.



Sanding unit

TECHNICAL EQUIPMENT

- Pneumatically height-adjustable workbench
- Adjustable swivel-mounted sanding unit up to 135°
- Connectible electromotive oscillation approx. 20 mm
- Easy to convert to veneer edge grinding
- Pneumatic belt tension
- Digital display 0-45 degrees for the sanding unit
- Robust workbench at the pulley
- Feed console table

OPTIONAL

- Running gear



Veneer sanding unit



Sanding shoe



SOLID WOOD, MDF AND OTHER PANEL-TYPE MATERIALS

„We use the KBA every day for the most diverse tasks
and it always performs to the highest standards.“
Carpenter's Shop Schreinerei Schmitz



Technical data	
Voltage	400 V, 50Hz
Connection cable	6 kW
Engine performance of edge grinding unit	3 kW
Grinding belt dimensions (edge)	2000 x 150 mm
Freely-adjustable pneumatic oscillation	130-30 mm
Engine performance of milling unit	0,55 or 1,1 kW
Engine performance of profile grinding unit	0,37 kW
Grinding belt dimensions (profile)	1960 x 30 mm
Machine dimensions	1240 x 3900 mm
Feed rate	2-10 m/min
Material thickness	10-60 mm or 20-90 mm
min. Material length	200 mm
min. Material width	40 mm (throughput)
Weight	ca. 900 kg
Suction- Ø	Tankreports
Sound power level: (DIN EN ISO 7346)	
Idle	86 dB(A)
processing	87 dB(A)
Work place related emission level: (DIN EN ISO 11202)	
Idle	76 dB(A)
processing	77 dB(A)
measurement tolerance K	4 dB(A)

Profile shaping and sanding machine KBA

Stair construction – shop fitting – furniture manufacturing – interior design
and much, much more

Rehnen GbmH & Co. has further enhanced its profile shaping and sanding machine to make edge treatment of solid wood, MDF and other panel-type materials even more efficient and effective.

Due to its modular design, a KBA can also be equipped with various edge grinding, milling, profile grinding units and brush units.

This means that the processing units can be equipped with a host of tools which, in turn, reduces machine set-up times.



Grooved closing wheel
on the edge grinding unit

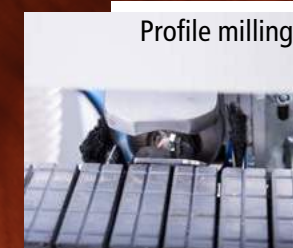


Profile sanding unit



Profile sanding

Profilschleifen oben / unten



Profile milling

Profilfräsaggregat oben / unten

SANDING UNIT

- Oscillating grinding and sanding with a grooved drum and grinding shoe.
- The entire sanding unit operates with freely-adjustable oscillation between 30 – 130 mm
- Engine performance 3 kW

MILLING UNIT

- The milling of radii and bevels at the top and the bottom at 12.000 rpm
- Controlled via frequency converter
- Units are mounted on non-detenting bearings

PROFILE SANDING UNIT

- Profile grinding of radii and bevels at top and bottom with endless grinding belts
- Electro-pneumatically operating and air-cooled sectional steel shoe

FEEDING

The KBA is fitted with a chain plate feed with a top pressure beam that fixates the part and guides it safely along the processing tools. This way, parts with a height of up to 100 mm and a length of up to 50 mm can be processed. The top processing units for profile milling and profile sanding run along at the same height during the material strength adjustment process.





Edge sanding machine R300

Main area of application of the R 300 are parts with heights of up to 300 mm. The sanding unit with a height of 300 mm oscillates 30 mm, thus contributing towards a long tool life and lasting surface quality. The pneumatic belt tension makes the grinding belt change quick and easy as well as ensuring a steady belt performance.

The robust and spring-pressure based height adjustment of the workbench ensures a precise grinding result even for high and heavy parts.

Technical data

Voltage	400 V, 50Hz
Engine performance	3 kW
Sanding belt dimensions	2280 x 300 mm
Sanding belt speed	11 m/sec
Workbench dimensions	700 x 350 mm
Space requirements	1250 x 750 mm
Weight	280 kg
Suction Ø	160 mm
Oscillation	30 mm, pneumatic
Air requirements	40 l/min
Workplace-related emission level	83 dB(A)

OPTIONALLY AVAILABLE ACCESSORIES

- Swivel-mounted 90-135°



Technical data

Voltage	400 V, 50Hz
Engine performance	2,2 kW
RPM	1000/1500 or. 1500/3000
Wave-Ø	30 mm
Max. abrasive-Ø	350
Max. abrasive width	275
Space requirements	1500 x 800 mm
Weight	from 180 kg
Suction Ø	2 x 160 mm

Sanding and polishing machine PSM-1

The sanding and polishing machine PSM 1 can be used for many kinds of surface treatment. The PSM is ideally suited for the sanding and polishing of moulded parts.

The spindle is able to handle a wide range of brushing and/or grinding drums.

Precision speed adjustment is an optional feature that ensures the precise choice of speed.

OPTIONALLY AVAILABLE ACCESSORIES

- Freely-adjustable speed



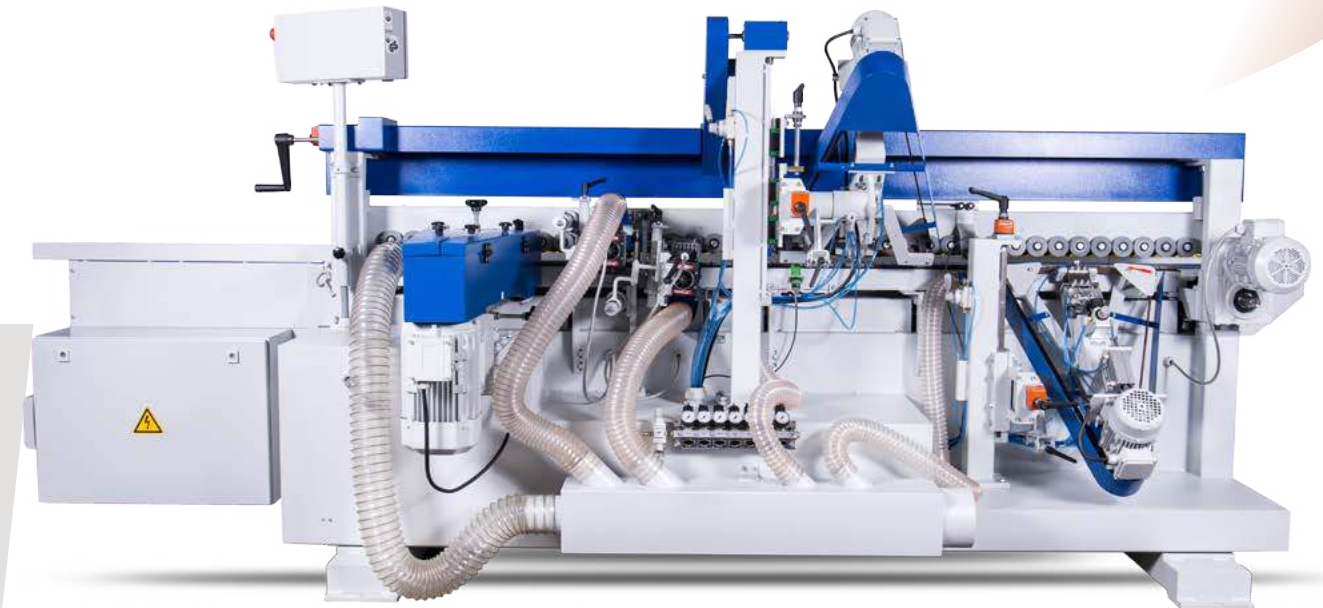
Grinding brush with adjustable suction hood



Sanding unit with feeding device



CUSTOMISED MACHINES MACHINES ACCORDING TO INDIVIDUAL REQUIREMENTS



EDGE AND PROFILE SANDING MACHINE KBA
CUSTOM MADE

Round timber sanding machine RSM-1

The round timber sander RSM has been designed especially for grinding work on round timber (flag poles, palisades, playground equipment, etc.). The long roller conveyor, equipped with idler rollers the adjustable feeding unit transports the part along the sanding unit. The large sanding unit with the flexible grinding shoe facilitates high-end results.

The length of feeding unit and the number of sanding units can be manufactured according to customer requests.

Technical data

Voltage	400 V, 50Hz
Engine performance	3,74 kW
Grinding belt dimensions	2280 x 150 mm
Grinding belt speed	22 m/sec
Machine dimensions	variable
Weight	approx. 800 kg
Suction Ø	100 mm

Customised machines Internal Design & Manufacture

Alongside our standard program, we also supply bespoke machines according to individual requirements. Our in-house design and manufacturing departments react to individual needs and implement them perfectly.



Custom made SK-1



Custom made moulded part sanding machine FSN-1





Middle racks
are optionally
available



VARIOFLEX



ECOFLEX



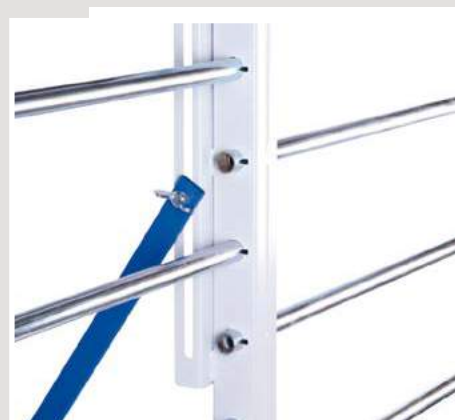
STABILOFLEX

Handling equipment Varioflex, Ecoflex, Stabiloflex

From experts for experts!

The Rehnen handling equipment has been tried and tested by the trades – and proven its usefulness wherever handling support is needed, i.e. whenever heavy equipment or freshly coated parts need to be lifted, tilted or simply transported.

Many well thought-out small appliances that make work easier, can be operated by everybody and are back-friendly. Their robust design and integrated brakes provide maximum safety – even if they are operated only by one person.



Overview Varioflex, Ecoflex, Stabiloflex

Technical data	Varioflex	Ecoflex	Stabiloflex
Length	200-2000 mm	200-1500 mm	300-2000 mm
Depth	870-1180 mm	870-1180 mm	1200 mm
Height	1855 mm	1855 mm	2105 mm
Length of support rod (retracted/extended)	650 mm / 1150 mm	650 mm	900 mm
Clear intermediate dimensions of the rods	72 mm	72 mm	73 mm
Load capacity	400 kg	400 kg	900 kg
Can be fed on both sides	✓	✓	—
Encasing of rods	Optional	✓	Optional
Extractable rods	✓	—	—
Variable depths	✓	✓	—

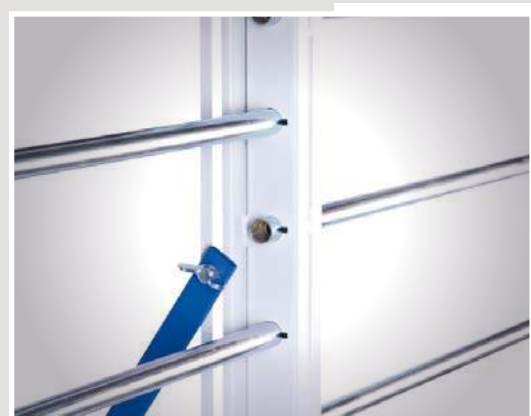


Drying rack Varioflex

The comfortable drying rack Varioflex has been designed for flexible and careful placing of coated parts. Equipped with 4 additional steering rollers, means the parts can also be transported on the drying rack. The solid tubular frame design can be adjusted from 200 to 2000 mm.

The 17 internal and external support tubes on each side ensure that the rack can carry weights of up to 400 kg if the loads are evenly spread. The pluggable internal and external support tubes can be removed and back-mounted if required.

Whenever the drying rack is not required, it can be folded together to save space.



Pluggable on both sides



Middle racks are optionally available



Technical data

Length	20-2000 mm
Depth	870-1180 mm
Height	1855 mm
Support tube length	650-1150 mm
Clear intermediate dimensions	72 mm
Load capacity	400 kg

OPTIONALLY AVAILABLE ACCESSORIES

- shroud for the outer tube
- additional racks



Quick locking mechanism support tubes



Extendable support tubes



Middle racks
are optionally
available



**COST-EFFICIENT,
SPACE-SAVING,
GENTLE**



Technical data

Length	200-1500 mm
Depth	870-1180 mm
Height	1855 mm
support rod length	650 mm
Clear intermediate dimensions – support rod distance	72 mm
Load capacity	400 kg

Drying rack Ecoflex

The cost-efficient drying rack Ecoflex has been designed for space-saving and careful depositing of coated parts. Equipped with 4 steering rollers, the Ecoflex can also be used for parts transport. The solid tubular frame design can be adjusted from 200 to 1500 mm.

The 17 plastic encased support rods on each side ensure that the rack can carry weights of up to 400 kg if the loads are evenly spread. The pluggable support rods can be removed and back-mounted if required.

We deliver a short pair of length tubes of 50cm to save space if the rack is not needed



OPTIONALLY AVAILABLE ACCESSORIES

- Additional racks



Extendable running gear





Middle racks
are optionally
available



Drying rack Stabiloflex

Stabiloflex is a robust solution for the storage and drying of high loads. Its high load capacity of 900 kg at evenly spread loads and the 900 mm galvanized support rods facilitate the storage of parts with great depths.

The 4 solid polyamide steering rollers provide stability and mobility. If 2 racks are not enough, it can be equipped with further racks!

Technical data

Length	300 x 2000 mm
Depth	1200 mm
Height	2105 mm
Support rod length	900 mm
Clear intermediate dimensions – support tube distance	73 mm
Load capacity	900 kg

OPTIONALLY AVAILABLE ACCESSORIES

- shrouded support tubes
- additional racks



Technical data

Length	max. 1850 mm
Depth	max. 800 mm
Height	1000-1300 mm
Load capacity	300 kg

Rotary paint table Lackfix

The rotary paint table for successful working. Thanks to its adjustable support arms and pivoted height adjustment the rotary paint table can be adapted to meet all needs. The robust design means that it can carry parts weighing up to 300 kg.





Technical data

Cart height:	
• upright	approx. 340-120 mm
• horizontal	approx. 1200-890 mm
max. plate size	5200 x 2100 mm
Load capacity	250 kg

Plate swivel cart PSF-250

The plate swivel cart makes the handling of plates which have to be moved from an upright into a horizontal position easier. The mounting frame is hydraulically height-adjustable and swivel-mounted. Support rollers ensure an easy transition from the upright into the horizontal position. 4 steering rollers ensure safe on-site transport.





Stringer and long goods trolleys TWL 1000

The stringer and long goods trolley TWL 1000 is ideal for the transport and assembly of construction parts. The top bearing surface can be used as a mobile workbench due to its ergonomic height. The bottom bearing surface serves as a transport **bracket**.

Technical data	
Length	1500 mm
Depth	800 mm
Height	1000 mm
Load capacity	500 kg

TECHNICAL EQUIPMENT

- Extremely solid design
- Steering rollers with total stop



Technical data	
Length	approx. 1480 mm
Depth	1150 mm
Height	2000 mm
Load capacity	800 kg

Transport and order picking trolley TKW 2000

Ideal for the transport and picking of parts (windows, doors, panel cutting, frames etc.). Easy on your back due to its V-shape cutout. Space-saving due to being collapsible.

OPTIONALLY AVAILABLE ACCESSORIES

- Fork lift crossbeam





Wall rack

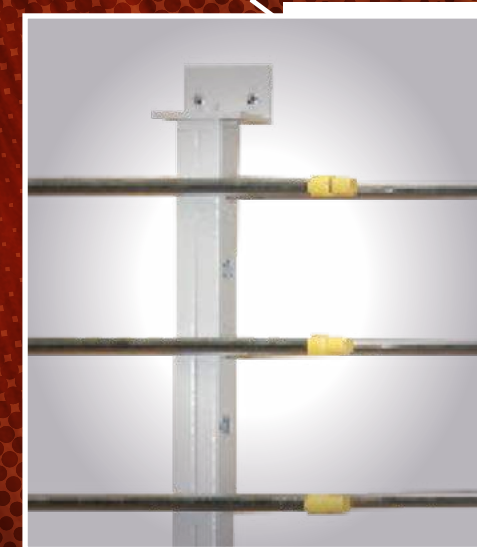
The Rehnen wall rack turns walls into storage space. The solid tubular frame design with 9 telescopic support tubes is fastened directly to the wall. The individual wall brackets have pivoted suspensions and can take weights of up to 200 kg.

Technical data	
Length	variable
Depth	870 mm
Height	1700 mm
Support rod length	650 mm - 1150mm
Clear intermediate dimensions – support rod distance	72 mm
Load capacity	200 kg



OPTIONALLY AVAILABLE ACCESSORIES

- Supplementary set of support tubes
- shrouded support tubes



The Rehnen wall rack turns walls into storage space. The solid tubular frame design with 9 telescopic support tubes is fastened directly to the wall. The individual wall brackets have pivoted suspensions and can take weights of up to 200 kg.



YOUR NOTES

