



FBA 8

VENEER SHEET SANDING MACHINE



THE WHOLE PRODUCTION OF
HEESEMANN SANDING MACHINES IS
LOCATED AT THE HEADQUARTERS IN
BAD OEYNHAUSEN, GERMANY.

HEESEMANN

SANDING WITH DEDICATION

Heesemann has produced sanding machines for the industry and craftsmen for more than 80 years.

Numerous trend-setting, essential innovations were made during this time, many of which are now industry standards. Heesemann has, throughout its history, consistently provided new inventions and revolutionized sanding technology.

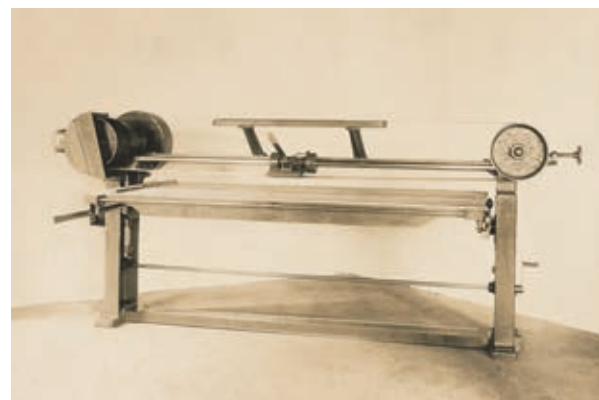
Heesemann has always been the leader in innovative sanding technology and every decision we make is with this objective in mind.

Today Heesemann has about one hundred fifty employees in Bad Oeynhausen, Germany and is the world market leader in the area of wood sanding machines. The production program includes machines for sophisticated handcraft as well as huge industry machines.

A world-wide organized distribution network and service subsidiaries in the most important regions and markets provide appropriate local contact people, guarantee efficient communication and the highest parts and service department performance.

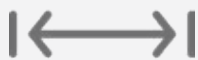
Heesemann supports our customers with broad service offerings covering the entire lifetime of our machines. These include a wide spectrum of services such as an extensive application consultation, professional training of your staff, technical support and functional upgrades.

*One of the first Heesemann
belt sanding machines.*





A SPECIAL VENEER SHEET GUIDANCE BY COMBINING HOLD DOWN ROLLERS AND HOLD DOWN LIPS ALLOWS ABSOLUTELY ACCURATE CALIBRATION AND CLEAN SANDING OF THE SURFACE.



650 mm / 1 350 mm
Sanding width



6 - 30 m/min
Feed speed



up to 4
Sanding units

FBA 8

VENEER SHEET SANDING MACHINE



With the Heesemann FBA 8 a machine for processing veneers with a thickness between 0.4 and 5 mm is available, fulfilling all demands on modern veneer production. The machine is conceived in a modular system and can be equipped with 1 to 5 units.

Height positioning for every roller unit is made by servodrives. This adjustment can also be made automatically und independently for each roller. The machine is operated via an Industrial PC.

The FBA 8 is available in working widths of 650 mm and 1,350 mm.



All Heesemann sanding machines are operated via an intuitive user interface based on Microsoft® Windows® on a touch screen device.



FBA 8

AVAILABLE UNITS

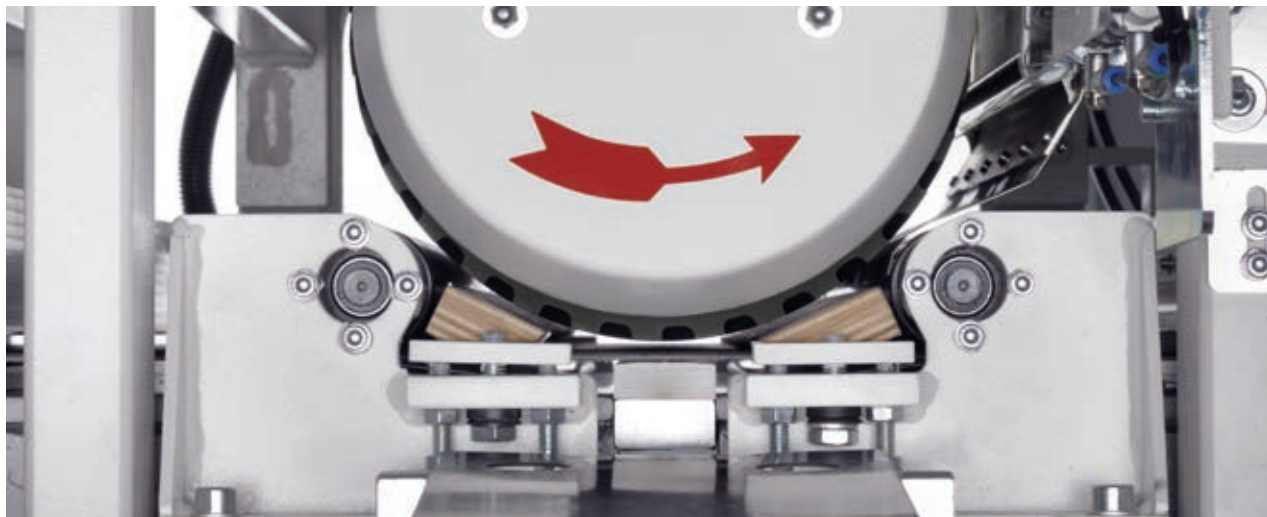


Contact roller

FBA 8

STANDARD FEATURES

- Transport table with constant working height.
- NC-controlled height adjustment.
- NC-controlled stock removal for all units.
- Automatic compensation of the sanding belt thickness.
- Infinitely variable feed speed within 6- 30 m/min.
- Graphic colour operating terminal with touch screen and programme memory for an optimum support of the operator.
- Ionization bar and rotating blasting nozzles for the cleaning of the work pieces.



Rubber-coated contact roller



Control for excessive work piece thickness



THE HEESEMANN CONTACT ROLLER UNITS ARE OFFERED WITH STEEL ROLLERS AS WELL AS WITH RUBBER-COATED ROLLERS IN DIFFERENT SHORE HARDNESS'S.

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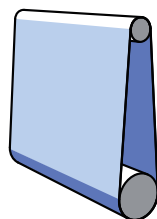
CONTACT ROLLER UNIT

The Heesemann contact roller units are offered with steel rollers as well as with rubber-coated rollers in different Shore hardnesses.

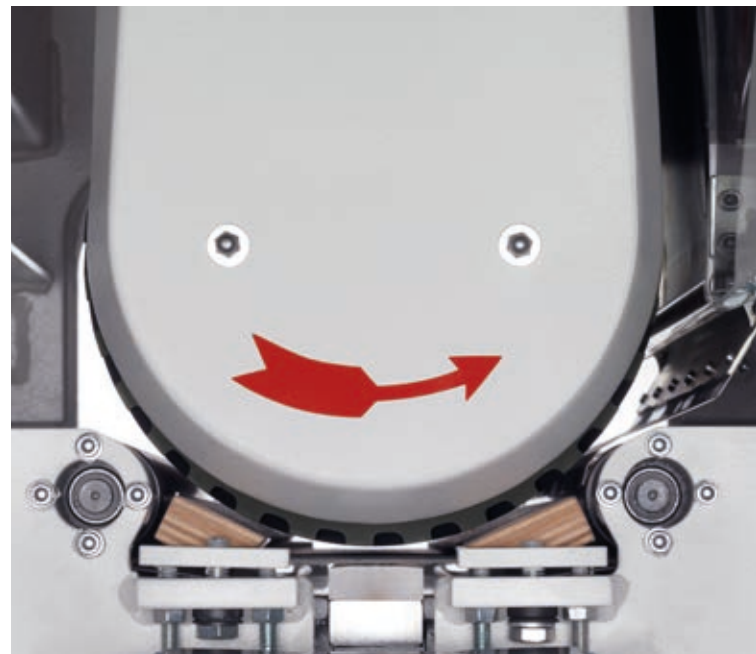
The contact roller unit with a 250 mm steel roller allows the exact calibration of veneer sheets. The surface of the roller is grooved in a spiral shape. This allows a better cooling of the roller and makes it easier to extract the generated abrasive dust.

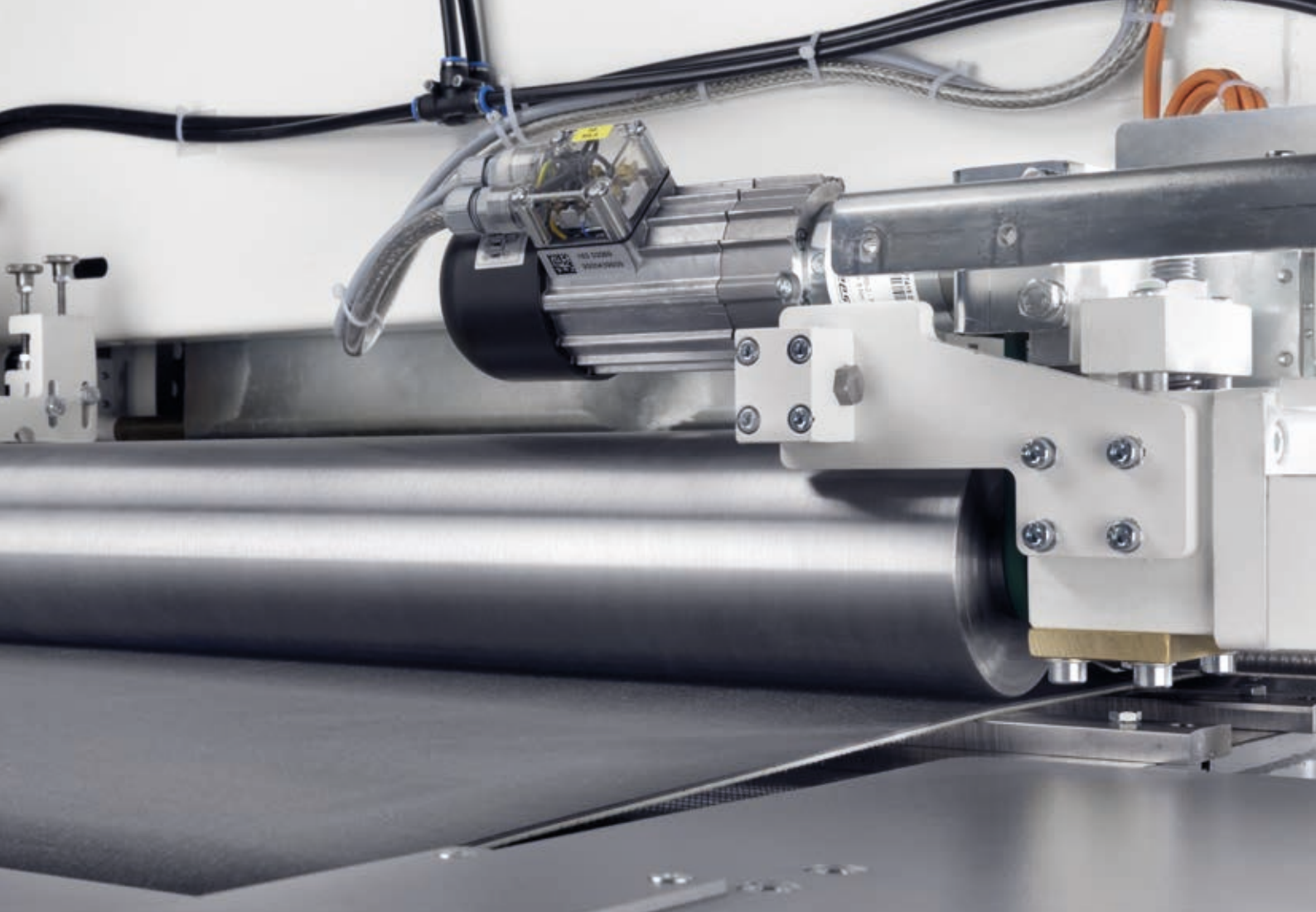
Contact roller units with rubber-coated rollers can be delivered as well. Depending on their Shore hardness they can be used for varying sanding tasks.

A special veneer sheet guidance by combining hold down rollers and hold down lips above an optionally available water-cooled prism rail allows absolutely accurate calibration and clean sanding of the surface. A vacuum system for the work piece suction is not needed. This hold down system reduces the heating at the sanding process significantly. So an additional cooling is not required.



The veneer sheets are led over a prism rail by a combination of hold down lips and rollers.

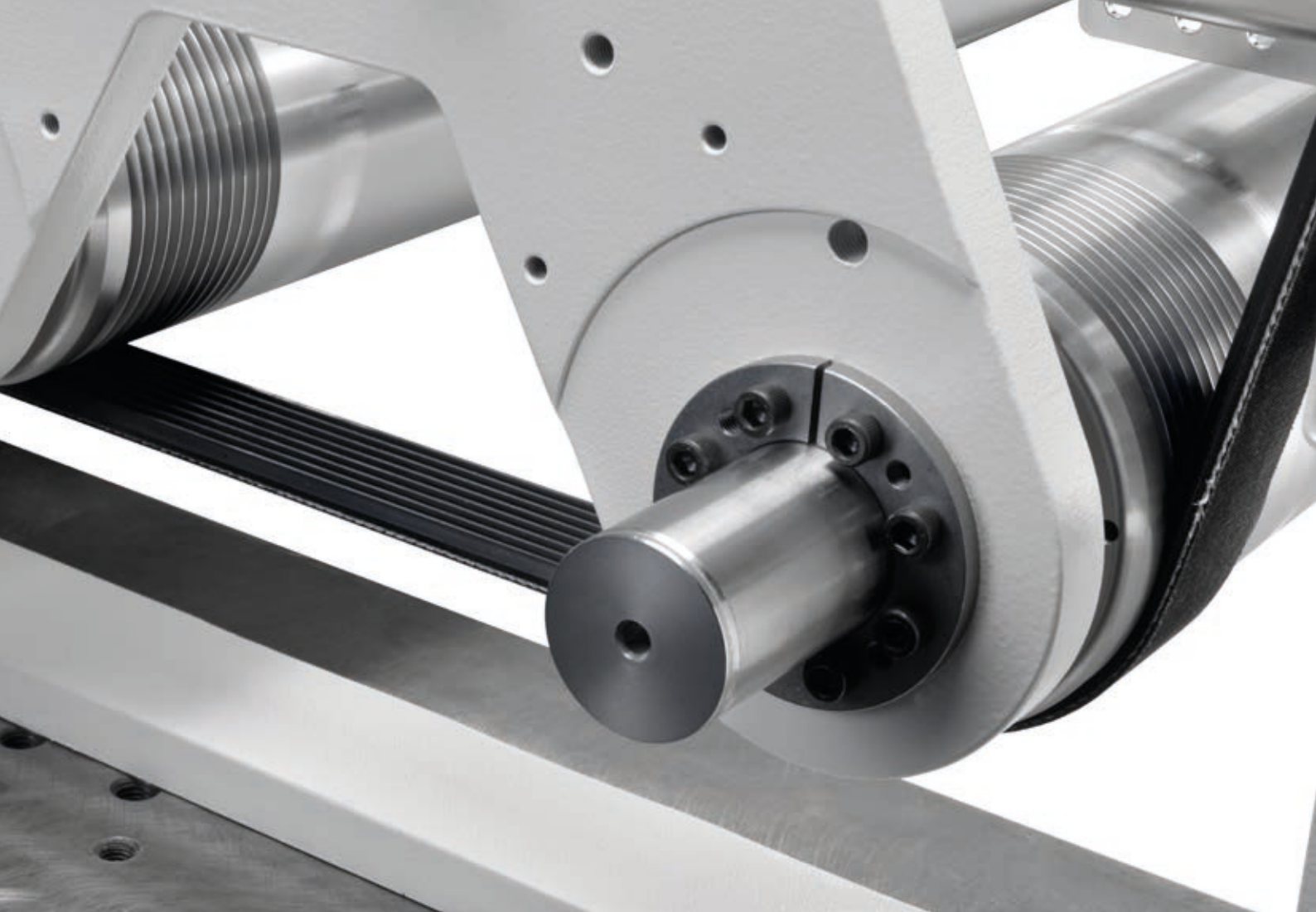




FBA 8

CONTROL FOR EXCESSIVE WORK PIECE THICKNESS

The FBA 8 comes with a control for excessive work piece thickness off the shelf.



FBA 8

POLY-V DRIVE BELTS

The sanding heads are driven by a vibration-free poly-V belt. The profile of the drive belt is machined into the most finely balanced drive roller (quality class G1, cf. car tyre G40). This way a permanently low vibration run is ensured. All bearings have been lubricated for life; this excludes maintenance errors in the selection of the lubricant and the lubrication intervals as well as assembly faults; no maintenance work is required.



FBA 8

SANDING BELT CLEANING

All sanding units are equipped with a cleaning device that loosens the sanding dust from the sanding belt and makes it accessible for the dust extraction. This cleaning takes place directly after the sanding process has been completed so that the sanding belt does not move the sanding dust through the machine.



FBA 8

WORK PIECE CLEANING

For the removal of dust after processing the veneer sheet sanding machine FBA 8 is installed with a ionisation device and rotating blasting nozzles.

Prog.:

The screenshot displays a control interface for four machine stations, labeled 1 through 4. Each station has a power button, current reading, speed settings, and a 3D model of the machine's internal mechanism. Station 1 shows 18,5 A current, 5,0 m/s speed, and a 3,0 mm dimension. Station 2 shows 11,8 A current, 6,0 m/s speed, and a 0% setting. Station 3 shows 11,6 A current, 4,0 m/s speed, and a 0% setting. Station 4 shows a 300 U/min speed and a 60 U/min setting. A bottom toolbar contains various icons for home, settings, and emergency stop, along with a page number 17.

ALL HEESEMANN MACHINES ARE EQUIPPED WITH A POWERFUL AND HIGHLY FLEXIBLE INDUSTRIAL PC.



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IPC WITH TOUCH SCREEN

All Heesemann machines are equipped with a powerful and highly flexible industrial PC. All frequently repeated adjustment values are graphically displayed clearly on one screen page.

In addition, this industrial PC provides the ability for fault diagnosis and the ability to use peripheral equipment at standard interfaces. It can also be connected to internal and external networks using Ethernet TCP/IP. The industrial PC acts like a web server and is accessible via standard internet browsers.

The industrial PC is available in a screen size of 10.4" or 15". The 15" model provides an additional operating data recorder and is height adjustable by a pivot mounted arm.



The industrial PC is available in 10.4" and 15" screen size.



OUR SERVICE TECHNICIANS TRAVEL
WORLDWIDE, IF NECESSARY OUR SERVICE
TECHNICIANS ARE ON SITE IN A FEW HOURS.

HEESEMANN

SERVICE - ON-SITE WORLD-WIDE

As a manufacturer of highly technical machines with a long machine life our customers' satisfaction is our highest priority. Customers' confidence in our competence is one of our most important goals.

Our technical customer service supports you troubleshooting an effective solution for possible problems. If advice by phone is insufficient, an online diagnosis can take place. If the dispatch of a technician is necessary, no problem - our service technicians travel world-wide, if necessary our service technicians are on site in a few hours.

Heesemann offers their customers all classical service activities like installation, commissioning, application enhancement, maintenance and repair.

We ensure a fast supply with wear and spare parts by our extensive spare parts warehouse. In cooperation with our freight partners we deliver world-wide with speed and reliability. Heesemann delivers original spare parts only which deliver our high standards in accuracy, material properties, durability, functionality and quality.

Our inspection service provides a detailed evaluation of your machines' technical condition. On demand we compile offers for further provisions, installation possibilities of latest sanding technology and control upgrades.

Such as our machines our customer service and spare parts are warrantors for quality and reliability "made in Germany".



Service hotline:



+800 188 188 19*



+49 5731 188-300

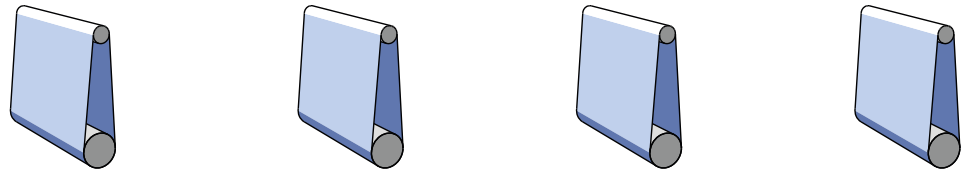
Our service team is available 24/7.

** Free call.*



TECHNICAL DATA

FBA 8 - UNIT



Modules

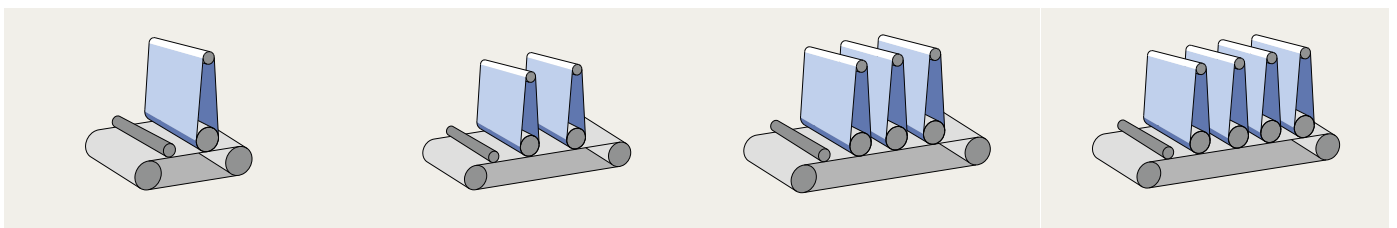
	Contact roller (Steel)	Sanding roller (Rubber-coated)	Contact roller (Steel)	Sanding roller (Rubber-coated)
Working width	650 mm	650 mm	1 350 mm	1 350 mm
Belt dimensions	700 mm x 2 620 mm	700 x 2 620 mm	1 400 x 2 620 mm	1 400 x 2 620 mm
Ø Contact roller	250 mm	250 mm	250 mm	250 mm
Drive performance	11 kW / 15 kW	11 kW / 15 kW	15 kW / 22 kW	15 kW / 22 kW
Belt speed	24 m/s	24 m/s	24 m/s mm	24 m/s
Belt speed with frequency converter	0.5 - 24 m/s	0.5 - 24 m/s	0.5 - 24 m/s	0.5 - 24 m/s

	Breite (mm)	Länge (1 Aggregat) (mm)	Zusätzliche Länge pro Aggregat (mm)
650 mm	1 500	1 850	550
1 350 mm	2 200	1 850	550

Subject to technical modifications.

MACHINE CONFIGURATIONS

FREQUENTLY CHOSEN





PRODUCT MATRIX





SURFACE SANDING MACHINES



	Sanding width	Feed speed	Sanding units
HSM	1 300 mm	3 - 15 m/min	2 or 3
Impression	1 350 mm	3 - 15 m/min	up to 4
MFA 10	1 350 mm	5 - 25 m/min	up to 6
BM 8	1 350 mm	5- 25 m/min	up to 6
LSM 8	1 300 mm / 1 400 mm	5 - 25 m/min	up to 6
LSM 8-C	1 300 mm	3 - 15 m/min	3 or 4
KSA 8	1 600 mm - 2 600 mm	5 - 25 m/min	up to 6
FBA 8	650 mm / 1 350 mm	6 - 30 m/min	up to 4



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-  Surface sanding machines for wood
HSM, Impression, MFA 10, LSM 8, KSA 8, BM 8, FBA 8
-  Deburring machines for metal
profiRounder
-  Edge and profile sanding machines
UKP 20
-  Sanding machines for 3D processing
BM 8, UKP 20