

Heesemann



BM8

BRUSH AND STRUCTURING MACHINE



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

HEESEMANN

SANDING WITH PASSION

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

Numerous essential and trend-setting innovations were made during this time, many of which are now industry standards. Heesemann has consistently provided new impulses to the sanding technology and developed it further.

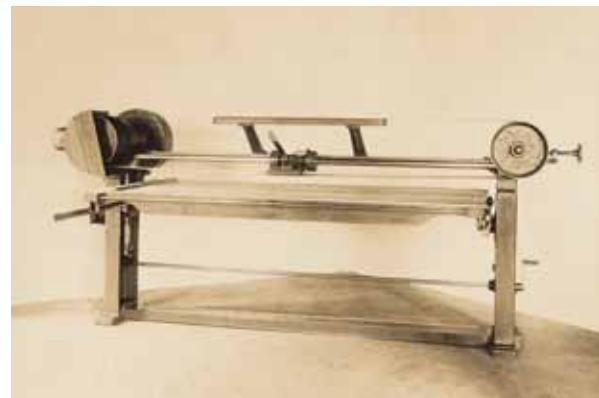
Our demand has always been to be the innovation leader in sanding technology and we do everything possible to comply with this demand.

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

A world-wide organized dealer network as well as distribution and service subsidiaries in the most important regions and markets provide appropriate contact persons on-site and guarantee short communication channels and highest-performance service.

We support our customers with diversified service offers covering the entire life-time of our machines. We offer all services starting with an extensive consultation, professional training of your staff and technical service up to functional upgrades.

*One of the first Heesemann
belt sanding machines.*





FOR EXAMPLE:
SANDING OF 3-DIMENSIONALLY
SHAPED WORK PIECES IN ONE PASS



1 350 mm
Sanding width



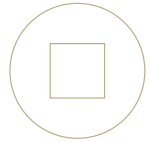
5 - 25 m/min
Feed speed



up to 6
Sanding units

BM8

BRUSH AND STRUCTURING MACHINE



Using a brush machine is indispensable for versatile applications e.g. for processing workpiece edges after lacquering, for chamfering sharp edges as well as for the removal of overlapping lacquer and filler material or for sanding composite workpieces resp. workpieces with cutouts having a surface which cannot be reached by a common surface and profile sanding machine.

After lamination or veneering brush machines can be used for burr removal. For structuring wooden and other surfaces and for smoothing filler and lacquered surfaces brush machines are predestinated, too.



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



BM 8

AVAILABLE UNITS



RUT disk brush unit



Brush units

BM 8

APPLICATION AREAS

For versatile applications the use of a brush machine is indispensable.

Here are some examples:

- For sharp edge chamfering as well as for removal of overlapping lacquer and filler material and for processing workpiece edges after lacquering.
- For sanding composite workpieces having a surface which cannot be reached by common surface and profile sanding machines.
- For burr removal after lamination and veneering.
- For structuring wooden and other surfaces.
- For smoothing filler and lacquered surfaces.

The brush machine BM 8 offers:

- Flexible equipment with the option of 1 to 6 brushes for different applications.
- High-efficiency suction device for safe transport of smaller workpieces.
- Numerically controlled height adjustment of the sanding units by servo drives
- Easy operation with coloured touch screen terminal
- Stepless regulation of brush speed by frequency controlled drive systems
- Optionally the sanding brushes are running in and against feed direction
- Extremely stable machine stand for high-power drive systems for considerably high feed speeds.
- Constant working height.
- Modular construction of brush units with integrated drive system and dust extraction for an easy machine retrofitting in case of modified applications.
- Effective transport belt cleaning device.
- Switch cabinet integrated into the machine.



HEESEMANN RUT DISK BRUSH UNIT

The RUT disk brush unit consists of 19 disk brushes. Their arrangement allows the sanding of contours in an up to now unreached quality. All areas are evenly sanded in different directions.

The frequency controlled drive system permits an infinitely variable regulation of the disk brushes rotation speed and their orbital velocity transversally to the feed direction.

The disk brushes can be equipped with two different abrasives at the same time. Thus the RUT unit can sand with different grits running in and against feed direction.

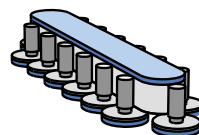
Due to the quick changing device replacing the disk brushes with trimmings for sanding for example by structuring brushes requires only minimal action.



THE RUT DISK BRUSH UNIT CAN BE EQUIPPED WITH DISK BRUSHES WITH DIFFERENT TRIMMINGS FOR SANDING OR STRUCTURING.



Due to the quick changing device replacing the disk brushes requires only minimal action.

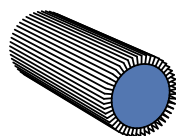


HEESEMANN BRUSH UNITS

For Heeseemann sanding machines a wide variety of brush units with different trimmings for sanding and structuring are available. The brush units can be mounted inclined to the feed direction or can be equipped with an oscillation.

Heeseemann offers brushes with horse hair, fibre, sisal strings and mixed trimmings to clean the work pieces, fleece brushes for satin lacquered surfaces, brushes with Flex Trim abrasive trimmings to sand 3-dimensional work pieces and brushes with Anderlon or stranded wire trimmings as well as twisted knot brushes to structure the work pieces.

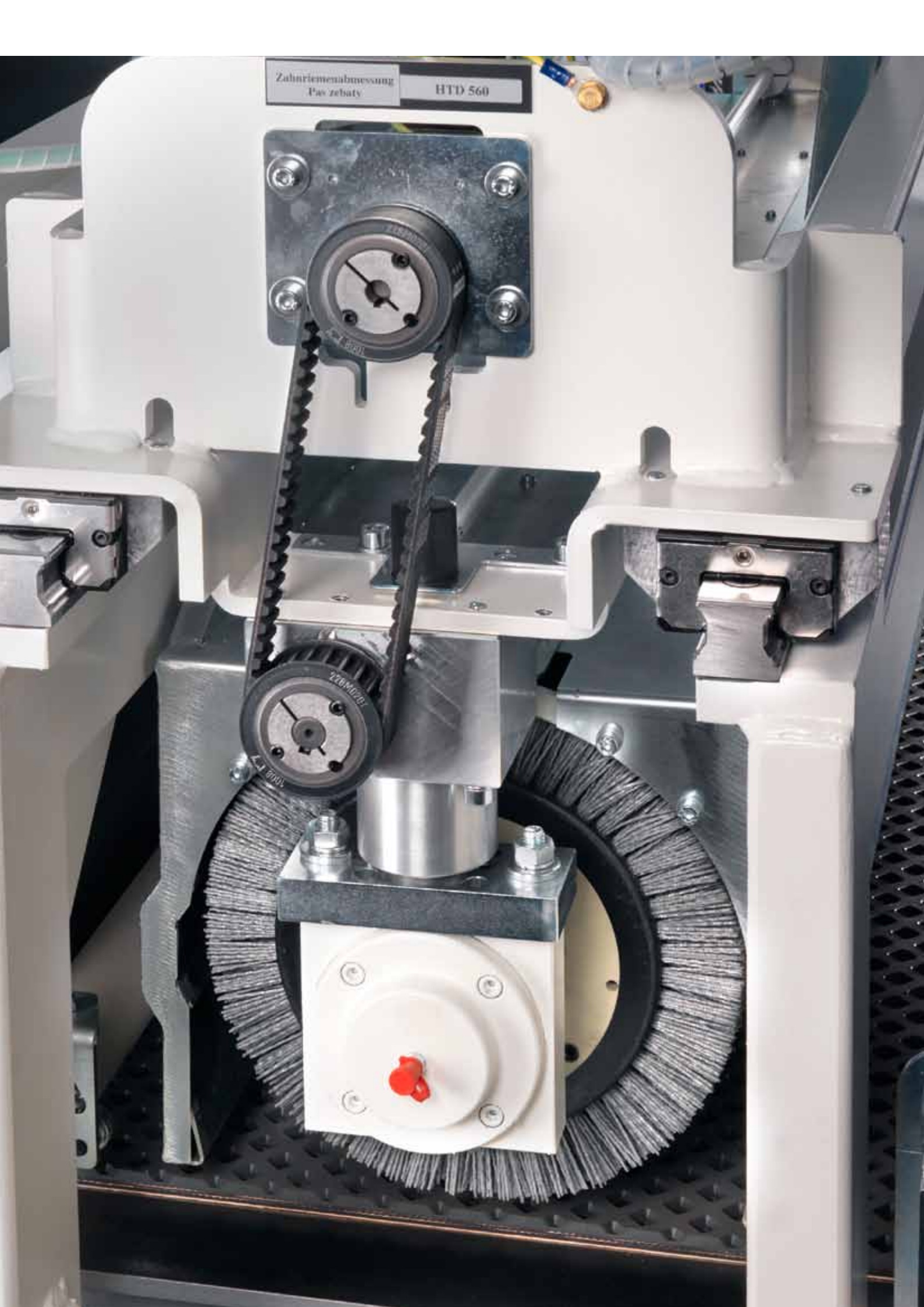
THE HEESEMANN BRUSH UNITS CAN
OPTIONALLY BE EQUIPPED WITH AN OSCILLATION
MECHANISM.



The Heeseemann brush units can be equipped with different trimmings for sanding or structuring.



Zahnriemenabmessung
Pas zabaty HTD 560





BM 8

WORK PIECE CLEANING

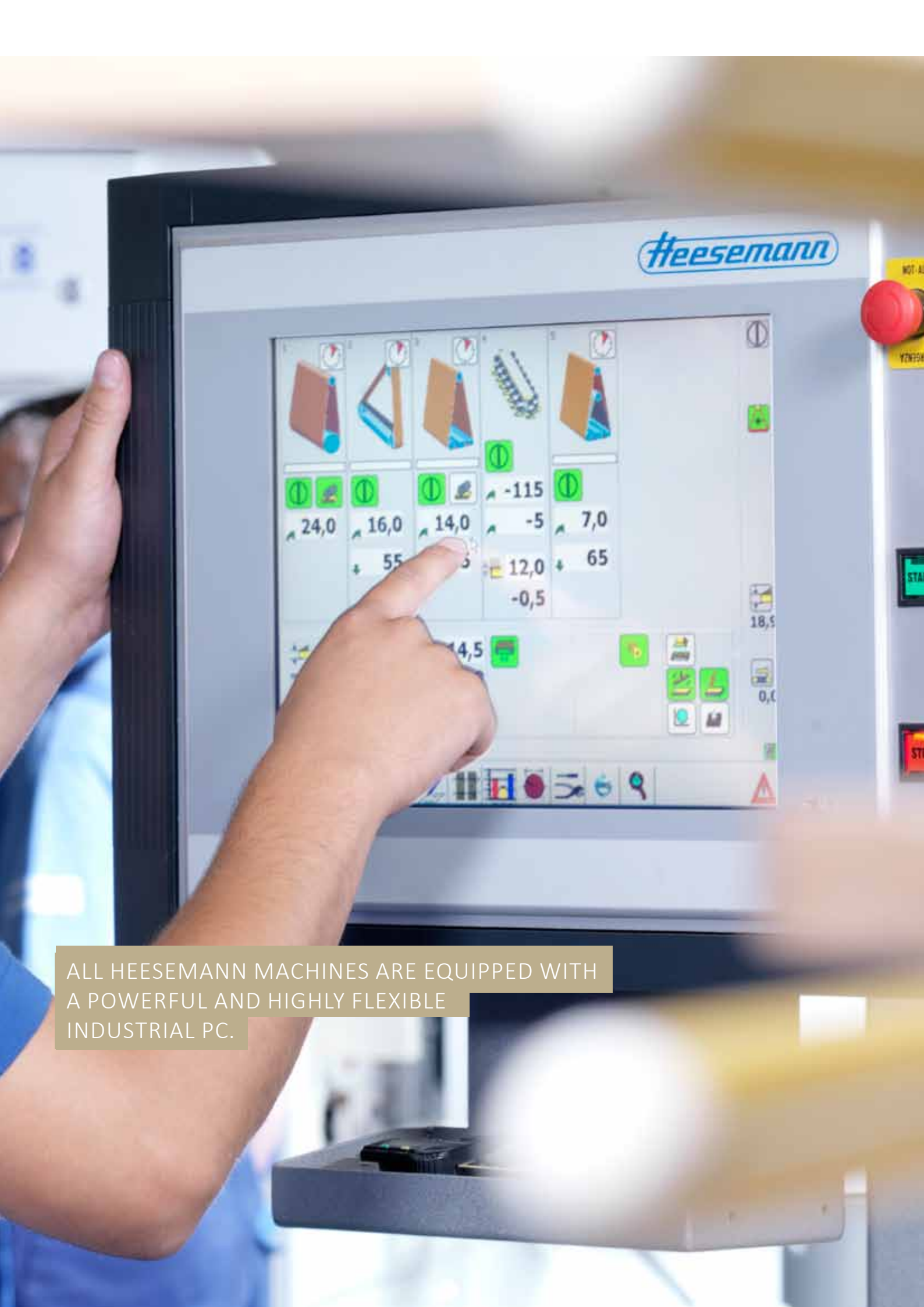
For an intensive cleaning of the work pieces from adhesive sanding dust the BM 8 can be equipped with a rotating blasting device.

An additional ionisation device decreases the electrostatic charge and increases the cleaning effect.



BM 8 SERVO DRIVES

Due to the use of new and extremely thin lacquer systems it can become necessary to reduce the sanding belt speeds to lower speeds than generally achievable with frequency inverters. Water-cooled servo drives allow a constantly safe belt run with full sanding power at minimal sanding belt speeds of 0.1 m/s. Machines equipped with these servo drives can be used for water lacquer systems for example. The water-cooled servo drives are comparable to efficiency class IE 4.



Heeseemann

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

HEESEMANN

IPC WITH TOUCH SCREEN

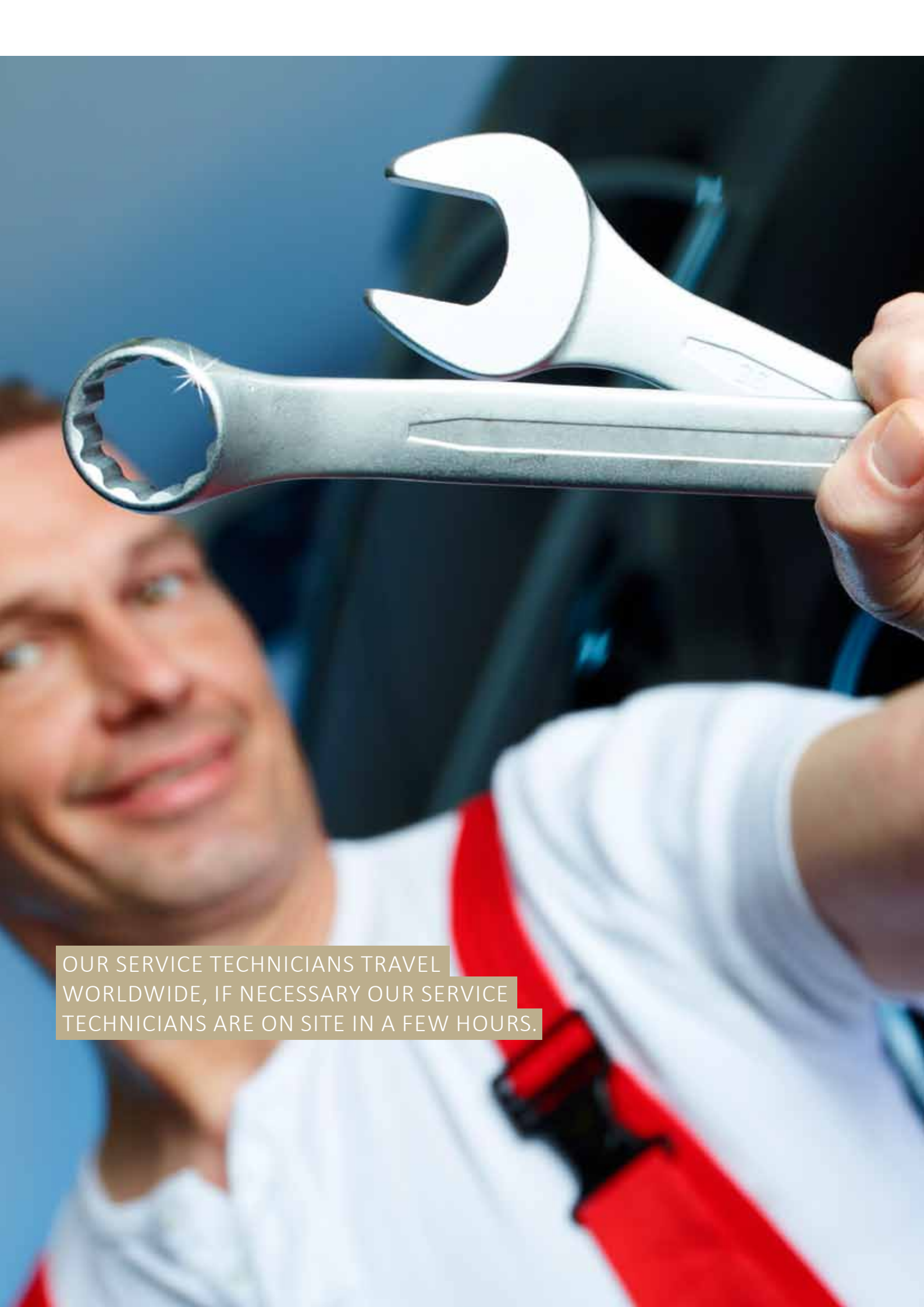
All Heesemann machines are equipped with a powerful and highly flexible industrial PC. All frequently repeated adjustment values are graphically displayed clearly on one screen page.

In addition, this industrial PC provides diversified applications for diagnosis and the ability to use peripheral equipment via standard interfaces. Furthermore, it can be connected to internal and external networks using Ethernet TCP/IP. The industrial PC acts like a web server and is diagnosable via standard browsers.

The industrial PC is available in a screen size of 10.4" or 15". The 15" model provides an additional operating data recording and is moveable to the operators' eye-level by a pivot mounted arm.



The industrial PC is available in a screen size of 10.4" or 15".



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

HEESEMANN

SERVICE - ONSITE WORLD-WIDE

As a manufacturer of technically mature and individual machines with a long machine life our customers' satisfaction is our highest priority. To prove our customers' confidence in our competence is one of our most important tasks.

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

Heesemann offers their customers all classical service activities like installation, maintenance and repair. We ensure a fast supply of wear and spare parts by our extensive spare parts warehouse. In cooperation with our logistic partners we deliver worldwide, fast and reliable. Heesemann delivers original spare parts exclusively which meet our high demands in their fitting accuracy, material properties, durability and functionality.

Our inspection service provides a detailed evaluation of your machines' technical condition. On demand we prepare 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".



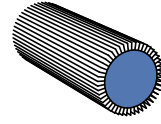
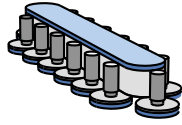
Service hotline:
+49 5731 - 188-0

*Our service team is available on working days
between 7 am and 5 pm.*



TECHNICAL DATA

BM 8 - UNITS



Modules

	Disk brush unit RUT		Brush units	
Schleifbandabmessungen (LxB mm)	19 disk brushes \varnothing 180 mm Sanding width: 1 350 mm		Cylindrical brush: \varnothing 400 mm Sanding width: 1 350 mm	
Drives Performance/Belt speed (kW m/s)	Brush rotation: 7,5 kW FU 160 - 800 rpm Brush movement: 1,5 kW FU 5 - 25 m/min		5,5 kW frequency controlled / 50 - 4 000 rpm 7,5 kW frequency controlled / 50 - 4 000 rpm 11,0 kW frequency controlled / 50 - 4 000 rpm 15,0 kW frequency controlled / 50 - 4 000 rpm 22,0 kW frequency controlled / 50 - 4 000 rpm	
Extraction value (m ³ /min.)		48		24
Connection diameter (mm)	2 x \varnothing 160		1 x \varnothing 160	
Air velocity (m/s)				20

TECHNICAL DATA

BM 8

Machinery base: Working height 880 mm / Working width 1 350 mm

Base for	W 2 200 mm H 2 250 mm Length (mm)	Weight (kg)	Suction device (kW)
1 brush	approx. 2 150	approx. 2 800	5,5
2 brushes	approx. 2 710	approx. 4 200	7,5
3 brushes	approx. 3 270	approx. 6 500	11,0
4 brushes	approx. 3 870	approx. 8 800	15,0
5 brushes	approx. 4 465	approx. 11 000	15,0

Subject to technical modifications.

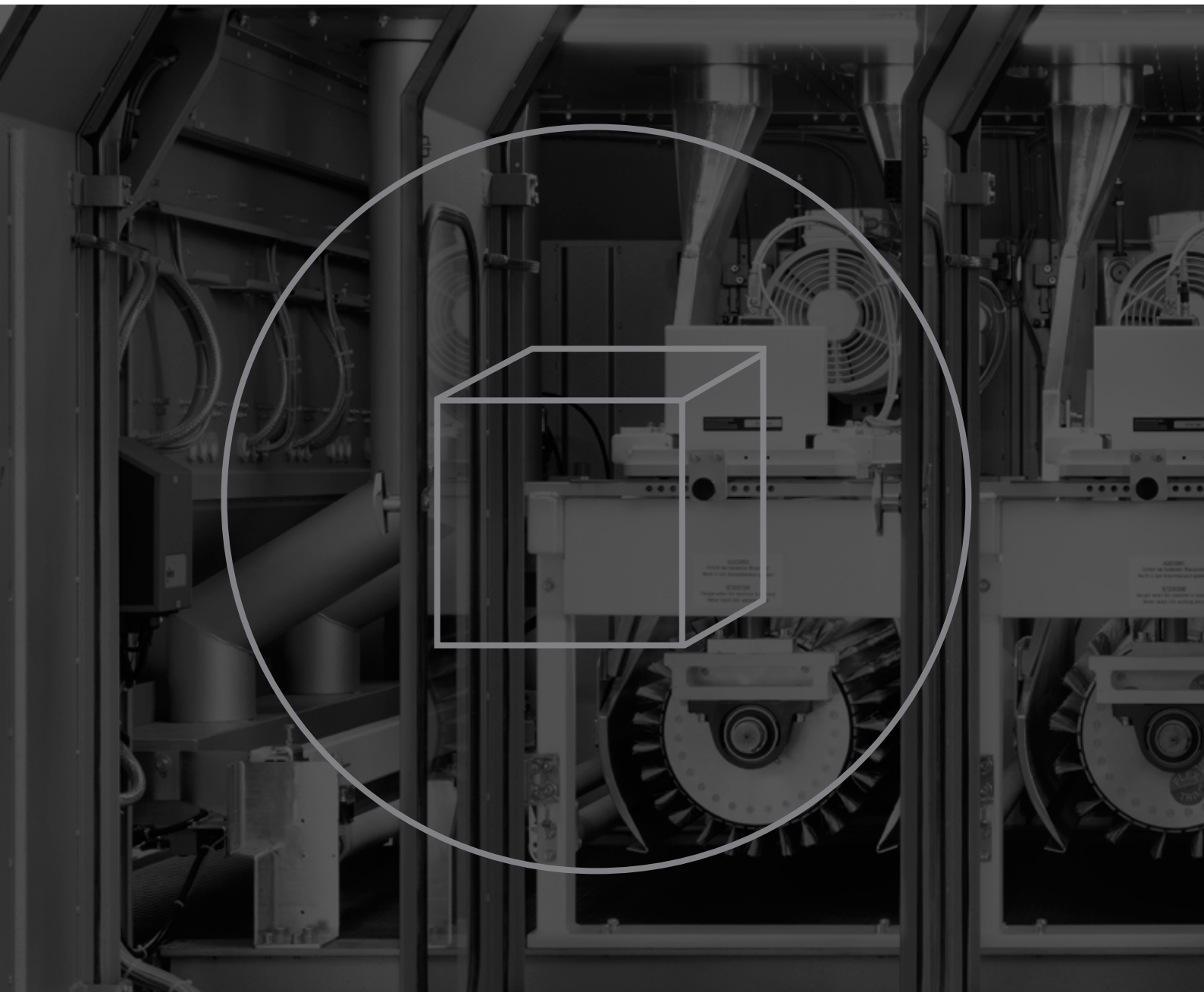


PRODUCT MATRIX





SURFACE SANDING MACHINES



	Sanding width	Feed speed	Sanding units
HSM	1 300 mm	3 - 15 m/min	2 or 3
MFA Impression	1 350 mm	3 - 15 m/min	up to 4
MFA10	1 350 mm	3 - 25 m/min	up to 6
BM 8	1 350 mm	3 - 25 m/min	up to 6
LSM 8	1 300 mm / 1 400 mm	3 - 25 m/min	up to 6
KSA 8	1 600 mm - 2 600 mm	3 - 25 m/min	up to 6
FBA 8	650 mm / 1 350 mm	3 - 30 m/min	up to 4



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