

ISM

The modular sanding center



Thanks to its **space-saving box** design, the ISM is ideal for smaller workshops and provides everything required for professional craftsmanship within just 8 m². The machine features a modular design, **scalable** from two to four sanding units and prepared for future upgrades. Proven Heeseemann components ensure maximum precision and process reliability.

- Available as a **2-, 3-, or 4-belt machine** with a working width of 1,350 mm
- Nine fixed configurations and practical options
- **Calibration sanding, fine sanding, intermediate lacquer sanding, and panel cleaning**
- Suitable for **panels, solid wood, or veneered workpieces**



Normal production volumes



Working width: 1,350 mm



Max. units: 2-4



Stand-Alone solution



Working from above

ISM

Up to **4** heads in a single machine frame.

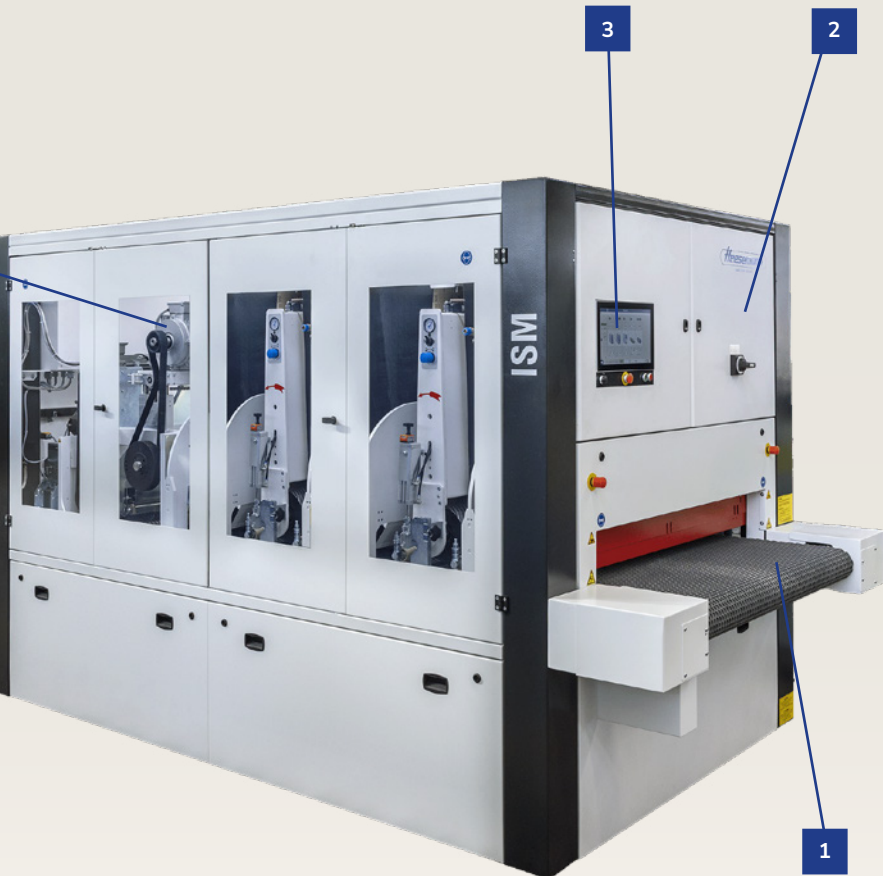
A working width **1,350** mm

9 head combination.

Technical data

The ISM, with up to 4 heads and a working width of 1,350 mm, can be configured for many different application types.

| ISM | | | | | | |
|---------------|-----------------|--------------------------|-------------------------------|--------------------------------|-------------------------------------------|----------------------------|
| Configuration | Number of heads | Working width mm/ inches | Abrasive belt width mm/inches | Abrasive belt length mm/inches | Workpiece thickness min. – max. mm/inches | Length / Width / Height mm |
| CH | 2 | 1,350 / 53" | 1,380 / 54" | 2,620 / 1 03" | 3-160 / 1/8-6,3" | 2,900/2,000/2,250 |
| RRH | 3 | | | | | 3,450/2,000/2,250 |
| RQH | | | | | | 3,450/2,000/2,250 |
| QCH | | | | | | 3,450/2,000/2,250 |
| RCHP | 4 | 1,350 / 53" | 1,380 / 54" | 2,620 / 1 03" | 3-160 / 1/8-6,3" | 4,000/2,000/2,250 |
| RRHP | | | | | | |
| RRRH | | | | | | |
| RQHP | | | | | | |
| QCHP | | | | | | |



- 1 Safe, secure workpiece transport ensured by high-quality, long-lasting rubberized rollers
- 2 Integrated switch cabinet
- 3 15.6" touchscreen operator terminal.
- 4 Doors on the belt changing side with window insert. This enables operators to view the process

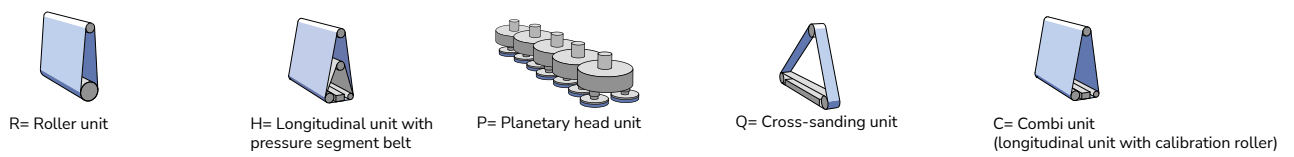


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POSSIBLE STANDARD CONFIGURATIONS



| | CH | RRH | RQH | QCH | RCHP | RRHP | RRRH | RQHP | QCHP |
|-----------------|----------|----------|----------|----------|---------|---------|----------|---------|---------|
| Configuration | | | | | | | | | |
| Calibration | ● ● ● | ● ● ● ● | ● ● ● ● | ● ● ● ● | ● ● ● ● | ● ● ● ● | ● ● ● ● | ● ● ● ● | ● ● ● ● |
| 3D/ Brushing | ● ● ● ● | ● ● ● ● | ● ● ● ● | ● ● ● ● | ● ● ● ● | ● ● ● ● | ● ● ● ● | ● ● ● ● | ● ● ● ● |
| Structuring | optional | optional | optional | optional | ● ● ● ● | ● ● ● ● | optional | ● ● ● ● | ● ● ● ● |
| Solid Wood | ● ● ● ● | ● ● ● ● | ● ● ● ● | ● ● ● ● | ● ● ● ● | ● ● ● ● | ● ● ● ● | ● ● ● ● | ● ● ● ● |
| Veneer sanding | ● ● ● ● | ● ● ● ● | ● ● ● ● | ● ● ● ● | ● ● ● ● | ● ● ● ● | ● ● ● ● | ● ● ● ● | ● ● ● ● |
| Lacquer sanding | ● ● ● ● | ● ● ● ● | ● ● ● ● | ● ● ● ● | ● ● ● ● | ● ● ● ● | ● ● ● ● | ● ● ● ● | ● ● ● ● |





Herstellerangaben
Modellnummer: 2530-1400

Pressure gauge and control panel with a black rotary switch and a blue push-button.

0.050



Gleitmatte + Filzmatte
sind täglich mindestens 1x
vom Schleifstaub zu reinigen.

Filzsohle 10 mm
felt insole
semelle de feutre
suela de fieltro

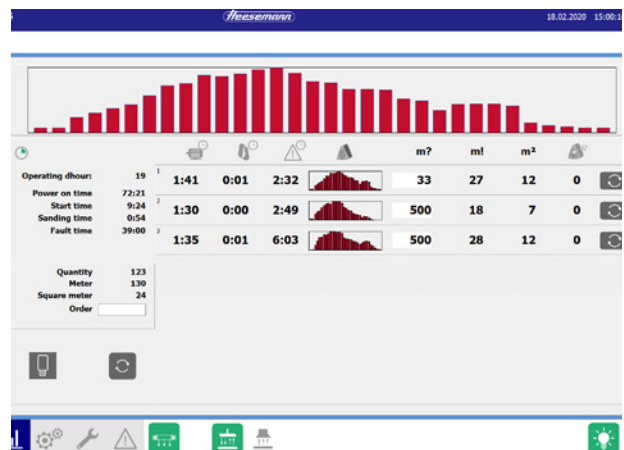
AS STANDARD ALL INCLUSIVE

With the ISM, you are optimally equipped from the start. Even the standard models includes essential technologies that ensure consistently high processing quality over time.



Roller table

- In the inlet and outlet
- Guarantee simple workpiece handling



ISM

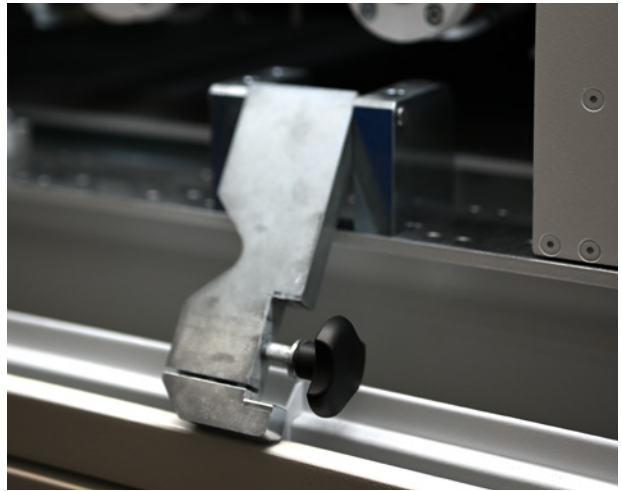
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15.6" touch display

- User-friendly and ergonomic operation using the large 15.6" touch display
- Fast and precise touchscreen control
- Intuitive operation via clearly understandable icons (proven Heesemann user interface)

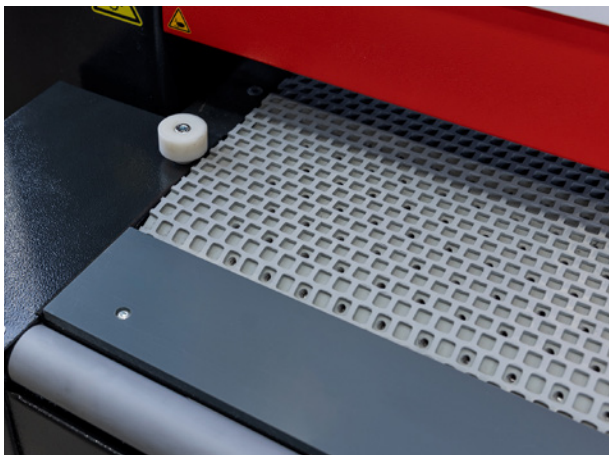
Belt Manager

- Shows the abrasive belt wear across the working width
- Signals to the user when a belt change should take place



Head locking

Safe and simple quick-lock heads to rapidly change the sanding belt



Vacuum clamping system

- Safely transport small or lacquered workpieces



Profiled contact rollers made of:

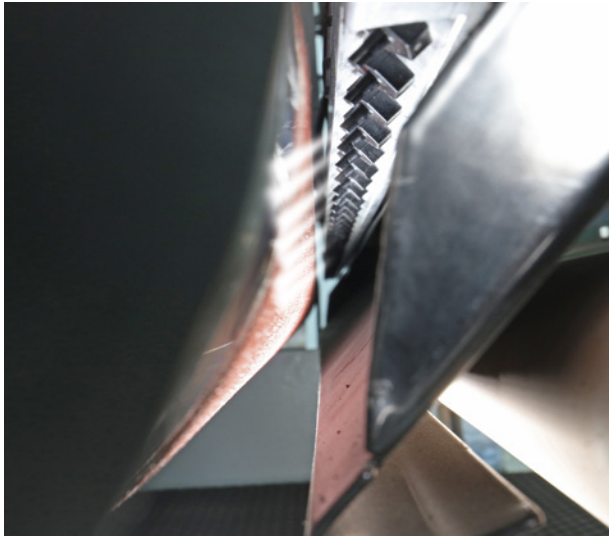
- Steel
- Rubberized in various Shore hardnesses

Standard highlights include:

- Absolutely even, stable Heesemann transport table
- LED lighting inside the machine
- Folding doors with viewing windows

OPTIONAL EXTRAS THAT ARE REALLY WORTH IT!

Do you want to take things to the next level? Our optional extras offer you all the options you need to adapt your wide-belt sanding machine to your unique production needs.



Air-jet belt blower

- Integrated air-jet belt blower
- Workpiece-controlled for low compressed air consumption



Steplessly variable cutting speed control

- Speed control via frequency inverter
- Power transmission via poly-V-belt
- Applies to all fine sanding units
- Infinitely variable feed speed



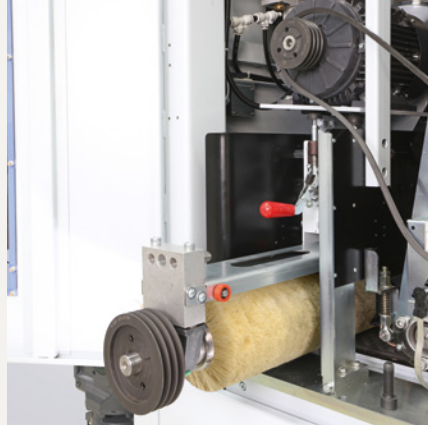
Folding table

- Stable folding table – a useful addition when space is tight

OPTIONAL BRUSH WITH QUICK-CHANGE DEVICE

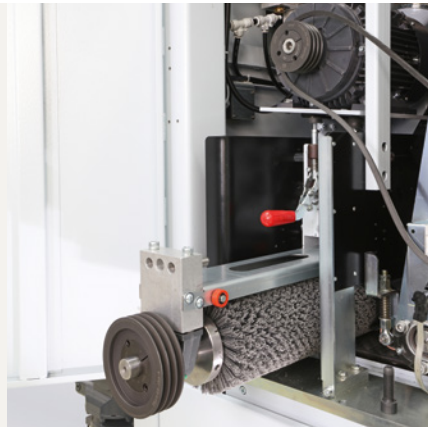
Barrel brush head | 3D finish

- Fine sanding of wood and wood-based materials as well as painted surfaces
- Refine the sanding pattern of upstream processes
- Suitable for machining three-dimensional workpiece surfaces



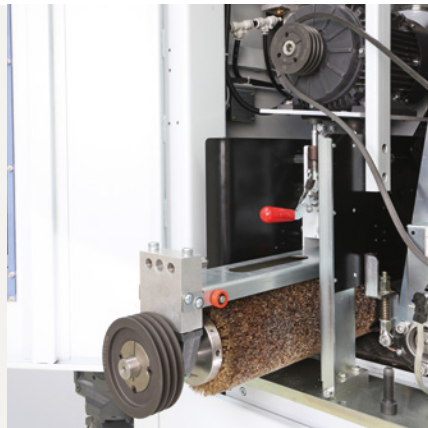
Structuring brush Anderlon

- Ideal for light to medium structuring of hardwood and softwood.



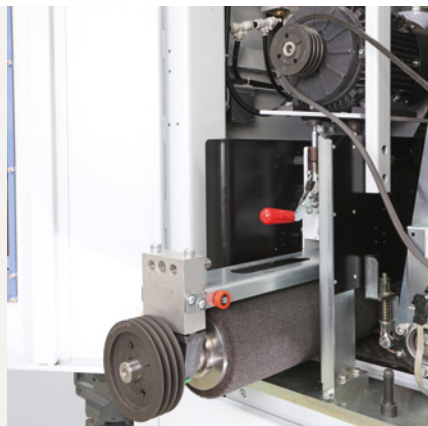
Structuring brush Stranded wire

- Ideal for intense structuring of hardwood and softwood



Glazing brush

- Recommended for smoothing and highlighting pores on lacquered surfaces



HEESEMANN CSD[®] MAGNETIC PRESSURE BEAM

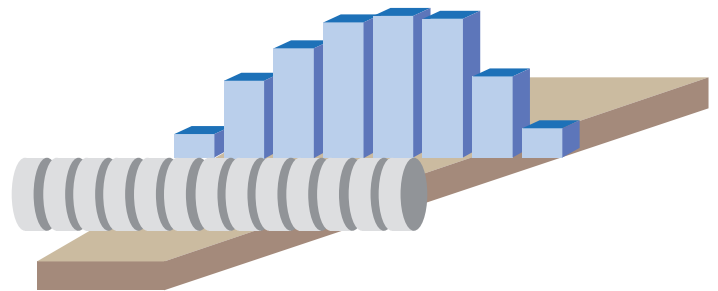


Adaptive sanding for uniform surfaces

Precise control of the sanding pressure is crucial to achieve consistently high grinding quality. The computer-controlled selective pressure control of the CSD[®] magnetic pressure beam system enables the sanding pressure of each element on the pressure beam to be steplessly adjusted in a matter of milliseconds. Fine scanning on the infeed of the machine ensures the exact calculation of the required pressure.

This elastic pressure beam is capable of compensating for tolerances in the workpiece thickness of 2 mm and more, on a single workpiece and also between workpieces.

The magnetic CSD[®] pressure beam system eliminates the soiling of the pressure beam elements that can otherwise occur with pneumatically operated systems. The CSD[®] magnetic pressure beam is installed on all Heesemann cross sanding and longitudinal sanding units as a standard feature.



HEESEMANN ENERGY MANAGEMENT SYSTEM (EMS)



Benefits for the environment and users



With Heesemann's EMS energy-saving system, our environment and users benefit equally: Decreasing energy consumption reduces both the burden on the environment and your costs.

When no workpieces enter the machine, the drive motors in the units reduce speed. This significantly reduces the energy consumption of the machine depending on the workload. When new workpieces are run in, all motors are quickly started up again.

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