

Heesemann



LSM 8

THE SURFACE SANDING MACHINE



THE WHOLE PRODUCTION OF
HEESEMANN 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.

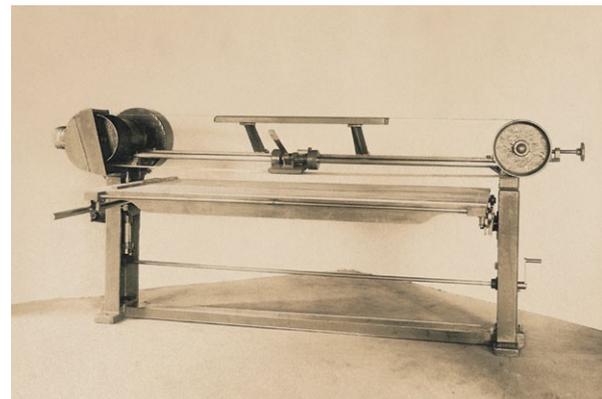
Our demand has always been to be the innovation leader in sanding technology and we do everything possible to comply with this demand.

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.

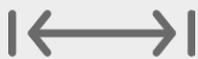
We support our customers with diversified service offers covering the entire life-time of our machines. We offer all services starting with an extensive consultation, professional training of your staff and technical service up to functional upgrades.

*One of the first Heesemann
belt sanding machines.*





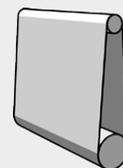
LSM 8-C IS THE PERFECT MACHINE FOR ECONOMIC AND EXACT CALIBRATION.



1 300 mm
Sanding width



3 - 15 m/min
Feed speed



3 or 4
Sanding units

LSM 8-C

THE CALIBRATION MACHINE



The LSM series fulfils highest demands in respect to power of performance and modern technique. LSM 8-C is the perfect machine for economic and exact calibration. Thanks to its heavy construction and the technique adapted to the application LSM 8-C is perfectly tuned to the requirements of calibration.

LSM 8-C is available in two configurations with three or four units. The first unit is a contact roller unit with a 250 mm (400 mm optionally available) steel contact roller for highest stock removal. The succeeding one or two rubber-coated contact rollers (300 mm or 400 mm, different hardnesses available) achieve further stock removal as well as a more harmonious surface. A longitudinal sanding unit with a pressure segment belt finally achieves a perfect surface without disturbing sanding traces.



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



LSM 8-C

AVAILABLE SANDING UNITS



Contact roller unit



*Longitudinal sanding unit
with pressure segment belt*



HEESEMANN CONTACT ROLLER UNITS ARE OFFERED WITH STEEL ROLLERS AS WELL AS WITH RUBBER-COATED ROLLERS IN DIFFERENT SHORE HARDNESSES.



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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. Both models are available with different roller diameters.

The contact roller unit with a 250 mm steel roller (400 mm optionally available) for example allows the exact calibration of materials like solid wood, particle boards, MDF or plastics. 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 (diameter 300 mm or 400mm). Depending on their Shore hardness they can be used for varying sanding tasks.

The contact roller unit can be equipped with different kinds of press-on lips depending on the requirements.

ACHTUNG!
Gefahr bei laufender Maschine!
Nicht in den Arbeitsbereich greifen!

ATTENZIONE!
Pericolo quando la macchina è funzione!
No mettere le mani nell'area di lavoro!

Schleifbandmessungen
Dimensioni Smering 800
Dimensioni de la banda de portage 2620 x 1350 mm



THE LONGITUDINAL UNIT OF THE LSM 8-C IS BUILT EXTREMELY RIGID AND STANDS HIGHEST DEMANDS.



Filzsohle 14 mm
Suola di feltro 14 mm

Il tappeto antifrizione + il tappeto di feltro vanno puliti almeno 1 volta al giorno dalla polvere di carteggiatura.
Gleitmatte + Filmatte sind täglich mindestens 1x vom Schleifstaub zu reinigen.



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LONGITUDINAL SANDING UNIT

A longitudinal sanding unit with an optimized distance between the lower return drums allows a large amount of a freely suspended sanding belt for a highly flexible pressure onto the work piece. This way a smooth sanding and high working speeds are achieved.

The longitudinal sanding units are available for sanding belts with belt lengths of 2 620 mm.

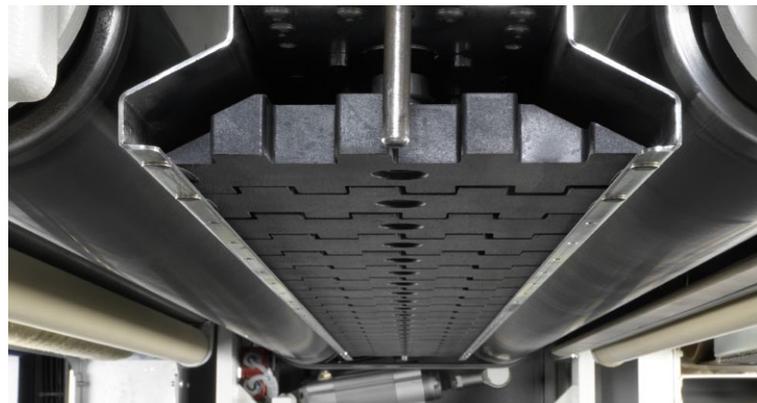
The internally running pressure segment belt interrupts the sanding traces of the grit and thus offers a harmonious and more even sanding pattern.

If a particularly fine grit is being used for lacquer sanding, the pressure segment belt may significantly increase the lifetime of the abrasive material.

Two eccentrics are located on the unit by means of which the guide drums can be readjusted in accordance with the wear of the pressure segment belt. This compensates the wear on the pressure segment belt, and its lifetime is extended several times.



The longitudinal sanding unit is equipped with a rigid pressure beam.





From our EnergyManagement-System our environment and the machine-user benefit to the same degree. A diminished energy consumption unburdens the environment and reduces the cost.

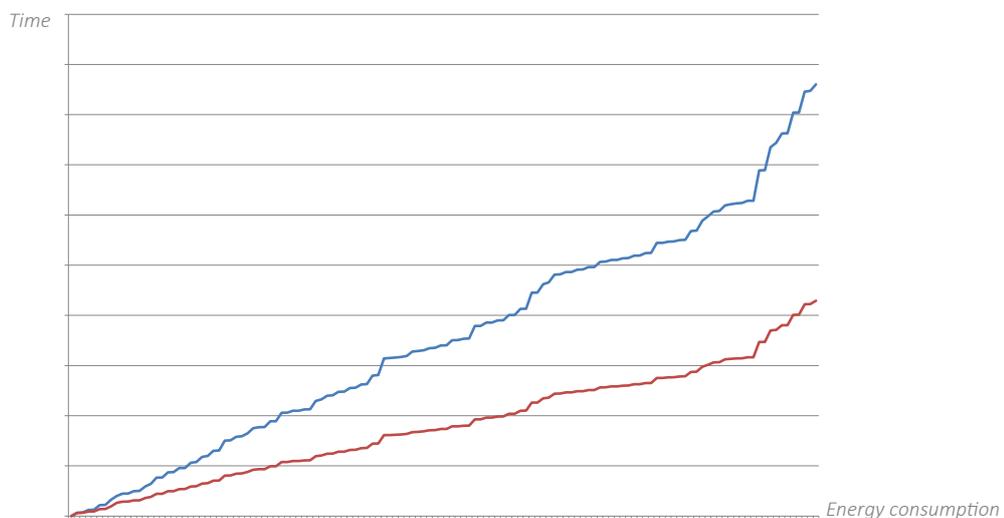
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ENERGYMANAGEMENT-SYSTEM (EMS)

The LSM 8-C can optionally be equipped with the EMS system. Both, our environment and our users, benefit from this energy-saving system to the same degree. A diminished energy consumption unburdens the environment and reduces the cost.

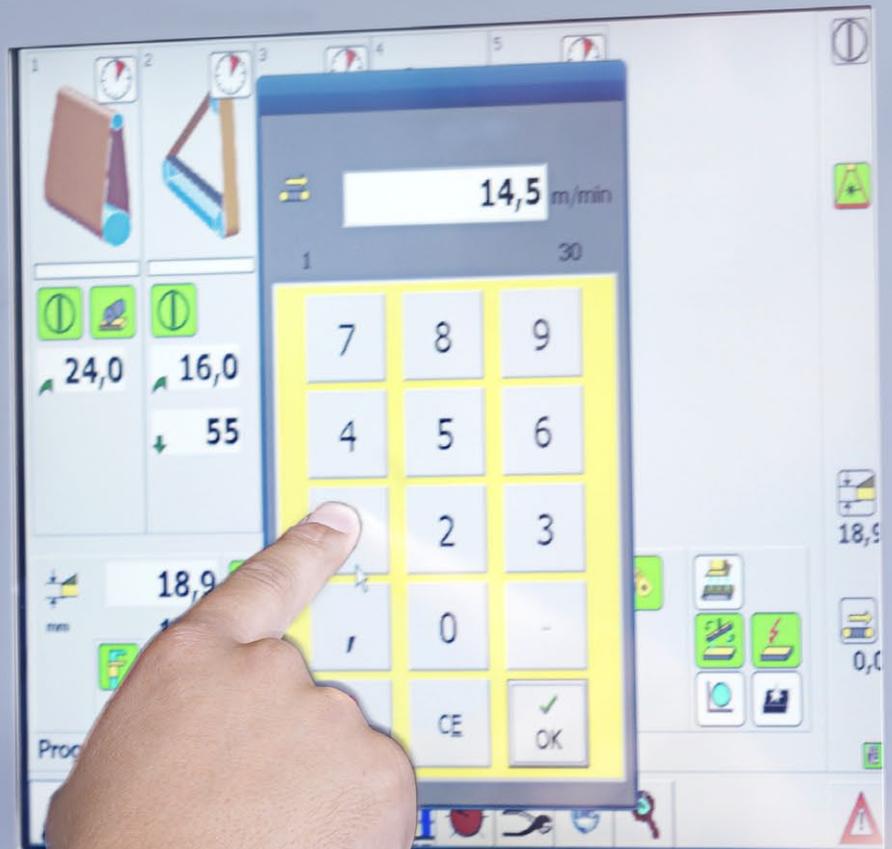
If no work pieces are being fed into the machine, the drive motors of the sanding units are run down to a low speed and a flap is closed on the suction blower in order to extremely reduce the air throughput. Depending on its actual load, this reduces the energy consumption of the machine quite considerably. When new work pieces are fed into the machine, all motors are rapidly started up again.

If the customer-supplied extraction system provides this option the machine can prevent the airflow through units that are not in operation by controlling closure flaps attached to the individual extraction hoods and thus make the extraction system save energy.



The use of our EnergyManagement System leads to significant savings at the power consumption of the machine and the whole installation.

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

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IPC WITH TOUCH SCREEN

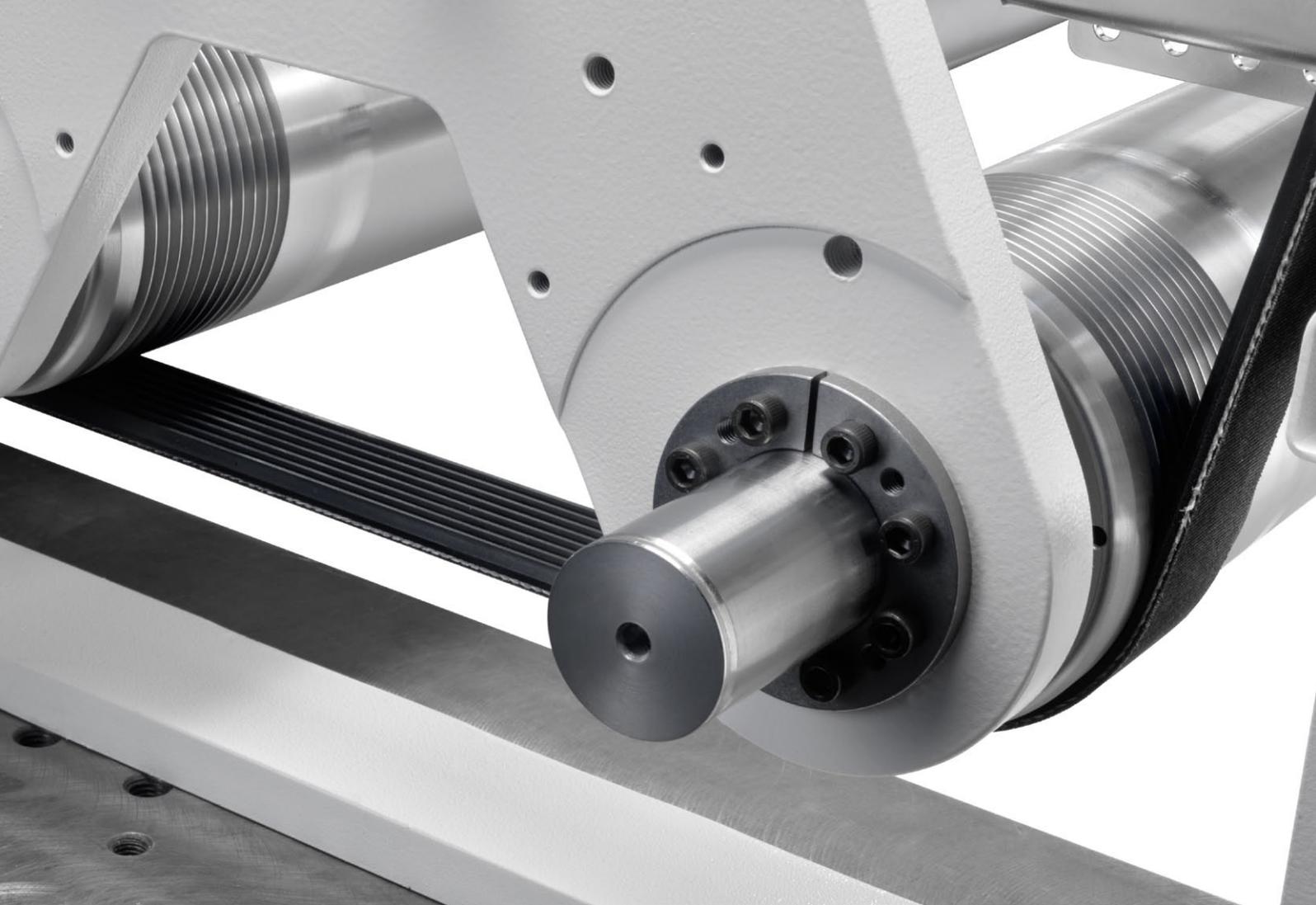
All Heeseemann machines are equipped with a powerful and highly flexible industrial PC. All frequently repeated adjustment values are graphically displayed clearly on one screen page.

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".



LSM 8-C

POLY-V DRIVE BELTS

The units are driven by a vibration-free poly-V belt. The profile of the drive belt is integrated 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; any maintenance work is not required.



LSM 8-C

SANDING BELT CLEANING

All sanding units are equipped with a cleaning device that loosens the sanding dust from the sanding belt and makes it ascertainable 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.



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:

00800 188 188 19¹

0049 5731 188 300²

Our service team is available 24/7.

¹ Service number at no charge from Germany and Poland.

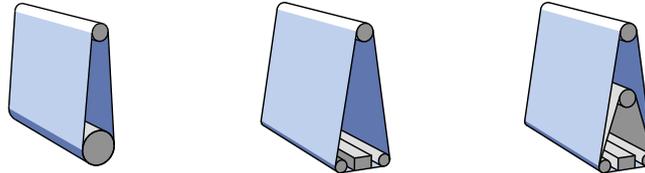
² All calls are billed at local rates from within the German landline.





TECHNICAL DATA

LSM 8-C - UNITS

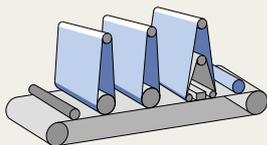


Modules

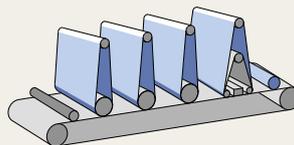
| | Contact roller unit | Longitudinal sanding unit | Longitudinal sanding unit with pressure segment belt |
|---|---|---|--|
| Sanding belt dimensions (LxB mm) | 2 620 x 1 350 | 2 620 x 1 350 | 2 620 x 1 350 |
| Ø Contact roller | Steel Ø 250 mm Rubber Ø 300 mm Optional Ø 400 mm | | |
| Drives Power/Belt speed (kW m/s) | 22 - 55 24 | 15 18 22 FU 1,8 - 18 | 15 FU 1,8 - 9 22 FU 1,8 - 9 |
| Connection diameter (mm) | Ø 250 | Ø 180 | Ø 180 |
| Extraction volume (m ³ /min) | 89,5 | 30,5 | 30,5 |
| Air speed (m/s) | 20 | 20 | 20 |

AVAILABLE

MACHINE CONFIGURATIONS



LSM 8-C Lr/Lr/Lp
Calibration machine with 2 contact rollers and a longitudinal sanding unit with pressure segment belt



LSM 8-C Lr/Lr/Lr/Lp
Calibration machine with 3 contact rollers and a longitudinal sanding unit with pressure segment belt

TECHNICAL DATA

LSM 8-C

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

| W 2 300 H 2 250 | Length (mm) | Weight (kg) | Feed speed (m/min) | | Suction device (kW m ³ /min) | |
|--------------------|----------------|----------------|-----------------------|-------|---|----|
| | | | | | | |
| 1 unit | approx. 1 955 | approx. 4 200 | 1,5 / 3,0 | 5- 25 | 5,5 | 25 |
| 2 units | approx. 2 955 | approx. 6 000 | 2,2 / 4,0 | 5- 25 | 5,5 | 25 |
| 3 units | approx. 3 855 | approx. 7 500 | 3,0 / 5,5 | 5- 25 | 7,5 | 40 |
| 4 units | approx. 4 455 | approx. 10 000 | 4,0 / 7,5 | 5- 25 | 11,0 | 60 |
| 5 units | approx. 5 165 | approx. 12 000 | 5,5 / 11,0 | 5- 25 | 15,0 | 66 |
| 6 units | approx. 5 865 | approx. 15 000 | 7,5 / 15,0 | 5- 25 | 15,0 | 66 |

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 / 1 600 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 |

