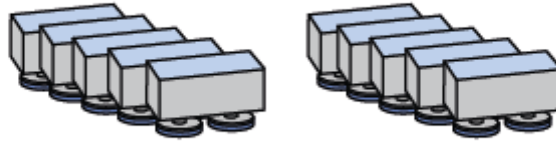


Heesemann Sander HSM.2 DB-S 2



Machine Summary

Head 1: DB-S Planetary Head

Head 2: DB-S Planetary Head

Rotary Air Jet Part Cleaning



Since 1933, Heesemann has been building superior quality sanders built to withstand high production needs. Heesemann has continued to make technology breakthroughs in the sanding industry, including the first profile sander, pressure segment belt and cross sanding units. With Heesemann sanding equipment, technology and quality go hand-in-hand, with over 120 patents registered.

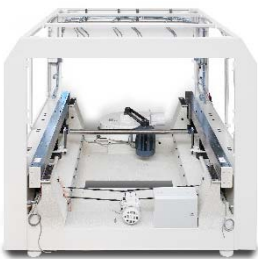
Heesemann HSM Features

Heesemann is known for manufacturing long-lasting sanders made of a durable welded steel structural-frame as well as a heavy gauge formed and welded steel housing. Standard features on the HSM include:

- Thickness adjustment of sanding heads from 3 to 160 mm (0.118 to 6.3")
- Constant working height of 880 mm (34.6")
- A constant pass line features 3 mm per second adjustment
- An over-thickness control system
- Emergency stops located at machine infeed and outfeed
- Integrated switch cabinet
- Control for excessive workpiece height

Heesemann's HSM transport conveyor features:

- Electronic variable speed infeed conveyor drive
- Controllable feed speed by an industrial PC
- A transport belt with ½" diamond profiles and one-piece construction
- Automatic tensioning & tracking



Press-on Roller

A 50 mm roller at the infeed of the machine to hold down thin and warped workpieces with the following features:

- spring loaded and adjustable
- includes workpiece over-thickness control

High Performance Vacuum Hold Down

Equipped with a high-performance vacuum hold down system for safe movement of workpieces shorter than 500 mm (20") in feed direction including integrated ventilator in machine base. Can be turned on or off via controller or in individual programs. The vacuum blower is a high-pressure blower, offering optimal performance with minimal power requirements due to the fan design, helping provide excellent suction with low power consumption.

Emergency Stop

Emergency stop buttons are located at the machine outfeed, with one located on the right side and one located on the left side of the machine.

Potential - Free Contact

Equipped with a free contact for extraction control.

Industrial PC

This sander is equipped with a 15" high resolution touch screen / industrial PC and features:

- High resolution display
- CF card 1 GB
- Windows® embedded operating system
- Pendant mounted with adjustable viewing position
- Ethernet connection
- Configured as web address for easy network access
- Automatic on-screen diagnostics
- Metric or English input
- 1000 memory addresses
 - Alpha/numeric format
 - Password protected
- Digital keypad input
 - Workpiece thickness
 - Conveyor belt feed speed
 - Sanding pressures
- One button start

Doors with Glass

Doors have glass inserts for visual inspection while machine is operating



Roller Table

- For infeed
- 500mm long (20")
- Height adjustable

Head 1: DB-S Head – Rotating Planetary Sanding Unit

Heesemann's rotating planetary sanding unit incorporates sanding discs for the purpose of smoothing the work surface, breaking edges, seal sanding and texturing. This head includes:

- 10 driven discs with quick changing device
- Rotation in both directions
- Central height adjustment
- 7.5 kW (10 Hp) motor to power the discs
- 1.5 kW (2 Hp) motor gear box
- Brush trimming: Flex Trim
- Tool Diameter: 150 mm (6")
- Other brush discs available on demand
- One set of discs is included with sanding head

Head 2: DB-S Head – Rotating Planetary Sanding Unit

Heesemann's rotating planetary sanding unit incorporates sanding discs for the purpose of smoothing the work surface, breaking edges, seal sanding and texturing. This head includes:

- 10 driven discs with quick changing device
- Rotation in both directions
- Central height adjustment
- 7.5 kW (10 Hp) motor to power the discs
- 1.5 kW (2 Hp) motor gear box
- Brush trimming: Flex Trim
- Tool Diameter: 150 mm (6")
- Other brush discs available on demand
- One set of discs is included with sanding head

Press-on Rollers Before and after Sanding Heads

A 50 mm roller at the infeed and outfeed of the sanding head helps to hold down workpieces – particularly parts with very little surface area (i.e. face frames)

- spring loaded and adjustable
- Distance between rollers approx.. 500mm (20")

Workpiece Blasting Device

Rotating compressed air nozzles for blasting workpiece surface. Operate only if a workpiece is present to preserve compressed air. Keeps the conveyor belt clean and helps clean dust out of profiled surfaces (such as center panels on 5 piece doors) – so parts leave clean and ready to move onto next process

