

LÖWER

LOEWER DiscMaster 3DBB



The LÖWER DiscMaster is the latest Löwer innovation in the field of sanding, featuring a combination of sanding discs and sanding rollers. This unique system leads to greater results in finish sanding and intermediate sanding.

The rotating discs oscillate from left to right and back again. Every point of the work piece is sanded from all angles and all directions.

All four edges of the work piece are sanded equally.

The rotating discs sand across the grain as well as with the grain. This kind of cross-sanding provides an exceptional finish on flat surfaces.

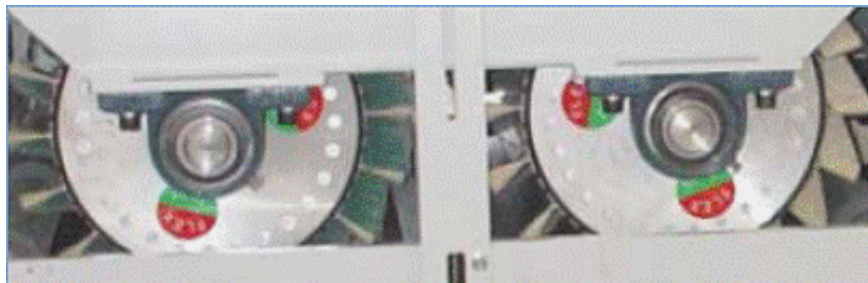
The rotating sanding rollers, which follow the discs, sand in the direction of the through feed thus giving a straight finish in one direction.

This combination of discs and rollers makes the Discmaster the ideal finishing solution for furniture, kitchen doors, cabinet doors, shutter frames and more.



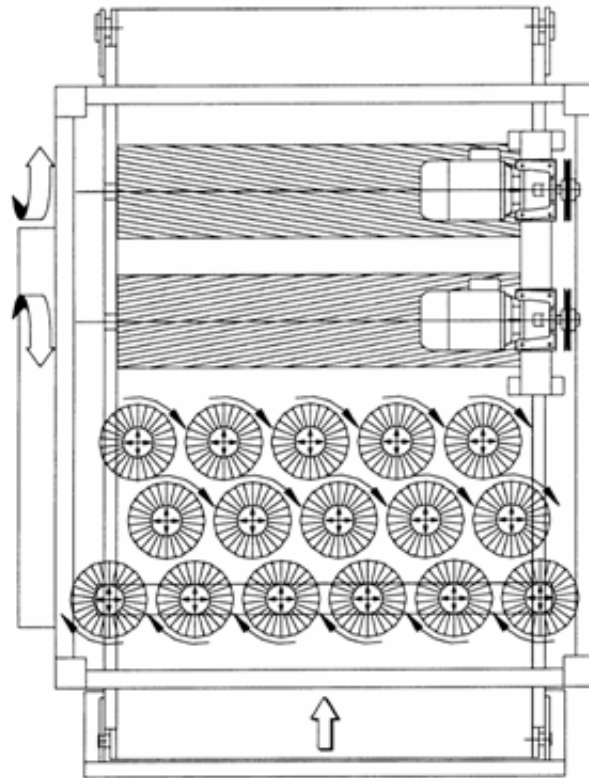
Disc-Station:

- 16 sanding discs 250mm (10") diameter, each with 24 keyways 75mm (3") long
- Gearmotor 2 x 1.5 kW (2HP)
- Variable disc speed 50-300 rpm by frequency converter
- Excentric orbital disc movement
- Separate height adjustment of the disc-station (to run discs only or rollers only or everything together)
- Electronic digital display to show height of disc-station



Rotating Roller Spindles:

- Two spindles 90° to the feed, spindle diameter 50mm (2"), for maximum brush diameter 400mm (16")
- Strong gearmotor each 2.2 kW (3HP) with external coolers
- Variable spindle speed 14-300 rpm by frequency converter each spindle, separately adjustable
- First spindle turning with the feed, second spindle against the feed
- Closed machine frame



Basic Machine:

- Spring loaded hold down rollers for holding down narrow work pieces, pre-adjustable in height, linked to height adjustment of spindles
- Vacuum feed belt to hold down small work pieces with strong vacuum motor 7.5 kW (10HP)
- Through feed by feed belt with variable speed 3-15m/min (8-50 ft/min) by gearmotor 1.5 kW (2HP)
- Automatic centering of feed belt, pneumatically controlled
- Constant height of through feed, possible to put machine in finishing line
- Maximum height of work piece 100mm (4")
- Motorized height adjustment of sanding units by gearmotor 0.37 kW (0.5HP)
- Electronic digital display for showing height of work piece
- Sensor activated pneumatic oscillating blowing device for cleaning the work piece at the end of the machine
- Antistatic brush strip device
- Control panel at left side
- Emergency off pull line at infeed and outfeed
- Infeed control with emergency stop if work piece is too thick
- Emergency off by opening doors

- Switch manual/automatic (start machine from control panel or from finishing line)
- 480V, 60Hz, 3PH, air connection 6-8 bar
- Dust extraction outlets 3 x dia. 80mm (3.2") (blowing device), 4 x dia. 140mm (5.6") (rollers) and 1 x dia. 200mm (8") (vacuum)
- Plexiglass windows both sides
- Connection for compressed air supply 1 bar for cooling electric cabinet box, with water and oil separator
- **Includes:** Power-Panel Control, colored touch panel, strong PLC, menu controlled functions like manual mode – creating a program, storing a program, loading a program, different pin-areas, choice of pin, service-function, connection card for connecting machine to PLC of finishing line



Technical Data:

Max. working width	1350mm (53")
Max. thickness of work piece	100mm (4")
Motor disc station	2x1.5kW, 50-350rpm
Motor sanding roller	2x2.2kW, 14-350rpm
Diameter sanding roller	Max. 400mm (max. 16")
Speed of feed belt	3-15m/min (8-50 ft/min)
Length/width	2980mm/2150mm (118"/86")

US standards in measurement are an approximation