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LÖWER – DiscMaster 2D2D2B-900

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

The excentric rotating discs orbital movement (patent pending) applies a complete sanding action to the entire work piece. Every point of the work piece is sanded from all angles and all directions. All four edges of the work piece are sanded equally and consistently. The rotating discs sand across the grain as well as with the grain. This kind of cross-sanding provides an exceptional finish on profiled and flat surfaces.

The rotating sanding roller, which follows the discs, is perpendicular to the feed and sands against the direction of the through feed thus giving a straight finish in one direction.

This combination of discs and roller makes the DiscMaster the ideal finishing solution for furniture, doors, cabinet doors and components, window components and more in whitewood sanding, denibbing and sealer sanding.

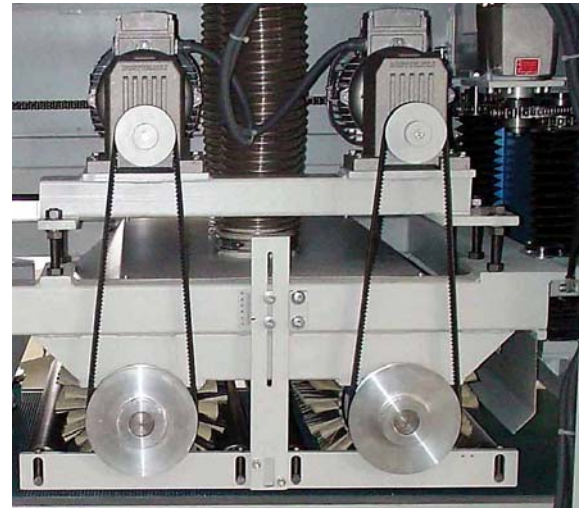
Two Disc-Stations each with:

- 7 sanding discs 250mm (10") diameter, each with 24 keyways 75mm (3") long
- Gear motor 2.2 kW (3HP)
- Variable disc speed 50-300 rpm by frequency converter
- Excentric orbital disc movement (patent pending)
- Separate height adjustment of each disc-station
- Electronic digital display to show height of disc-station
- Selection switch for direction of discs, clockwise/counterclockwise
- Increased gap between rows of discs to allow additional hold down rollers between discs



Rotating Roller Spindle:

- Two spindles 90° to the feed, spindle diameter 50mm (2"), for maximum brush diameter 300mm (12")
- Strong gear motor each 2.2 kW (3HP) with external cooler
- Variable spindle speed 50-300 rpm by frequency converter
- First spindle rotating with the feed, the second spindle rotating against the feed
- Closed machine frame



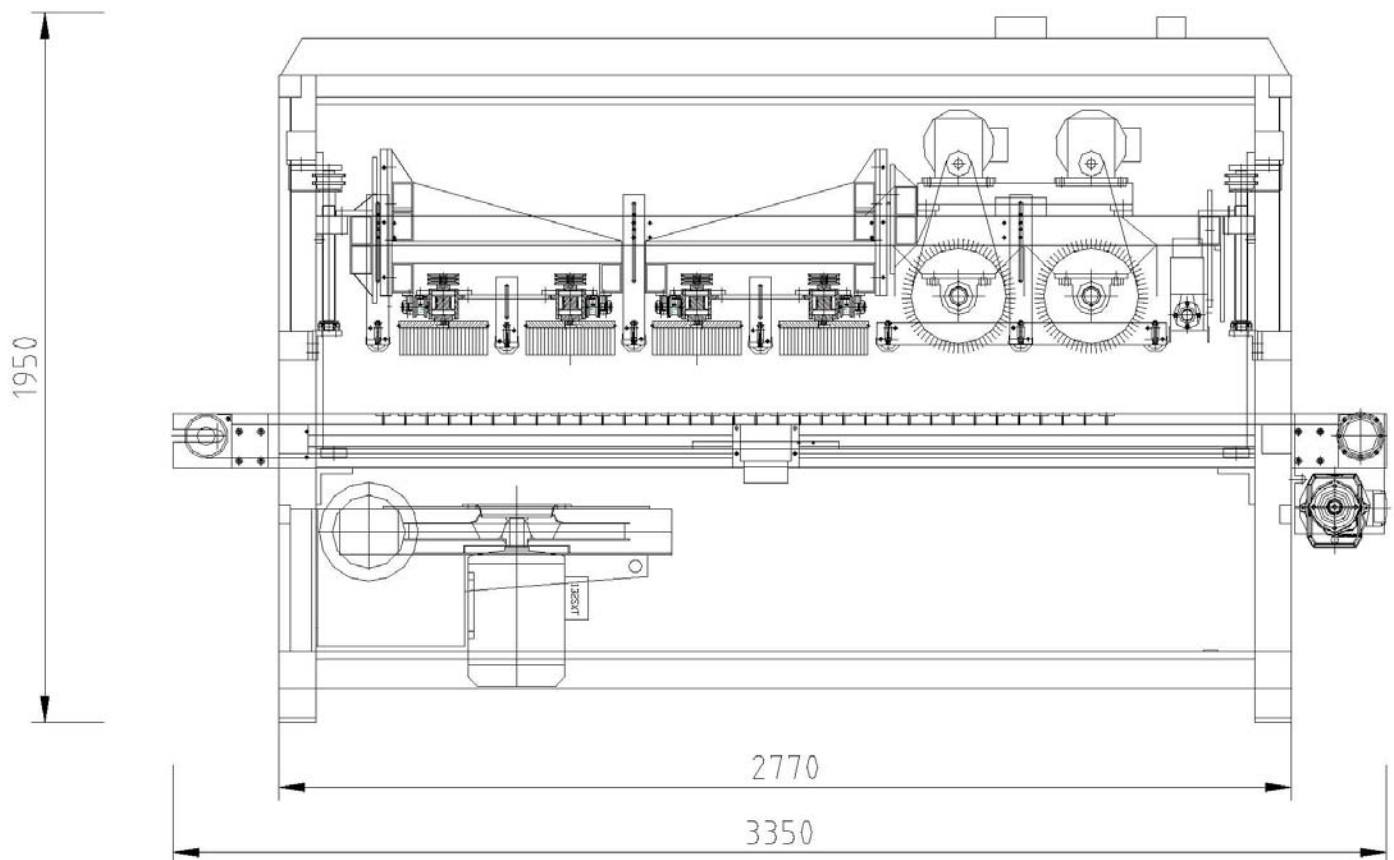
Basic Machine:

- Spring loaded hold down rollers for holding down narrow work pieces, pre-adjustable in height, linked to height adjustment of spindles or disc station
- 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 120mm (4.8")
- 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), 2 x dia. 140mm (5.6") (rollers) and 1 x dia. 200mm (8") (vacuum)
- Plexiglas windows both sides
- Connection for compressed air supply 1 bar for cooling electric cabinet box, with water and oil separator

Technical Data:

Max. working width	900mm (35.5")
Max. thickness of work piece	120mm (4.8")
Motor disc stations	2.2kW, 50-300rpm
Motor sanding roller	2.2kW, 50-300rpm
Diameter sanding roller	Max. 300mm (max. 12")
Speed of feed belt	3-15m/min (8-50 ft/min)
Length/width	3350mm/1500mm (134"/60")

US standards in measurement are an approximation



Options:

Vacuum Bed with Blower – includes vacuum feed belt to hold down small work pieces with strong 7.5kW (10HP) vacuum motor

Oscillating Blow-Off Device – a sensor activated, timed pneumatic oscillating blowing device for cleaning the work piece prior to exiting the machine

400mm Brush Rollers in lieu of 300mm

PLC Control 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, password protected service-function, connection card for connecting machine to PLC of finishing line

