

September 11, 2006

LÖWER – DiscMaster compact 2DBB

The LÖWER DiscMaster is the latest Löwer innovation in the field of sanding, featuring a combination of excentric sanding discs (patent pending) and sanding 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 brush 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, doors, cabinet doors and components, window components and more in whitewood sanding, denibbing and sealer sanding.



Disc-Station:

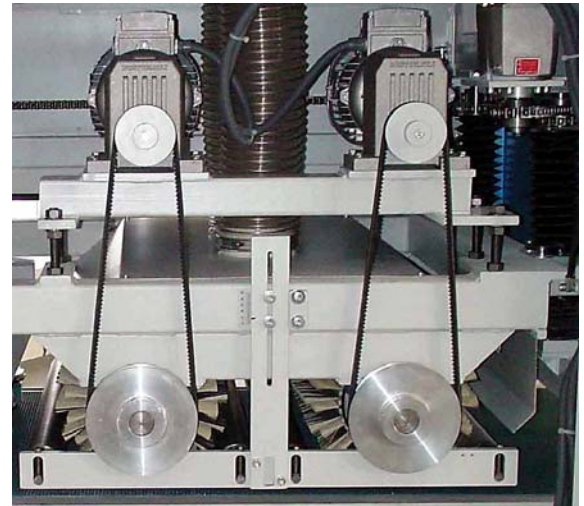
- 7 sanding discs in two rows, 250mm (10") diameter, each with 24 keyways 75mm (3") long
- Gearmotor 1.5 kW (2HP)
- Variable disc speed 50-350 rpm by frequency converter
- Excentric orbital disc movement (patent pending)
- Separate manual height adjustment of the disc-station (to run discs only or rollers only or everything together)



- Selection switch for clockwise/counterclockwise rotation direction (allows the loading of two different grit sizes)
- Spring loaded rubber covered hold down rollers before and after each row of discs for holding down short work pieces without vacuum

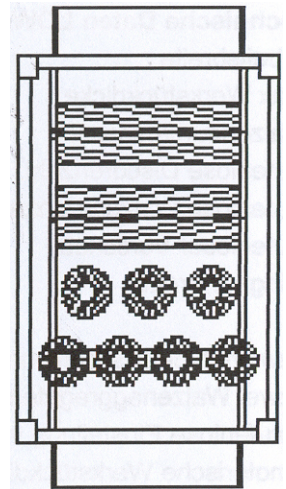
Rotating Brush Roller Spindles:

- Two spindles 90° to the feed, spindle diameter 50mm (2"), for maximum brush diameter 400mm (16")
- Strong gearmotor each 1.5 kW (2HP) with external coolers
- Variable spindle speed 100 - 600 rpm for 300mm (12") diameter rollers by frequency converter each spindle
- First spindle turning with the feed, second spindle against the feed
- Dust extraction outlets, 2 @ 140mm (5.6")
- Spring loaded rubber covered hold down rollers before and after each brush roller



Basic Machine:

- Completely enclosed machine frame provides a safe clean working environment
- Hold down rollers are pre-adjustable in height and linked to the main height adjustment
- Through feed by feed belt with variable speed 3-15m/min (9-50 ft/min) by gearmotor 0.75 kW (1HP)
- Automatic centering of feed belt, pneumatically controlled
- Constant pass line height of through feed, possible to put machine in finishing line
- Maximum height of work piece 100mm (4")
- Motorized height adjustment by gearmotor 0.37 kW (0.5HP), scale for indicating height
- Control panel on left side
- Emergency off pull line at infeed and outfeed
- Emergency off by opening doors
- 480V, 60Hz, 3PH, air connection 6-8 bar
- 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 (36")
Max. thickness of work piece	100mm (4")
Motor disc station	1.5kW (2HP) 50-350 rpm
Motor sanding roller	2x1.5kW (2HP) 100-600 rpm
Diameter sanding roller	300mm (12")
Speed of feed belt	3-15m/min (8-50 ft/min)
Length/width	2500mm/1500mm (100"/60")

US standards in measurement are an approximation

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