

*the MillSpec Group*  
508 Creske Avenue  
Rothschild, WI 54474  
P: 715-355-0534  
F: 715-355-0775  
[Sales@millspec.com](mailto:Sales@millspec.com)



*the MillSpec Group*  
*industrial equipment*

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**We propose to ship the following:**

**Quote #1180141**

### **LOEWER – DiscMaster 3DBB**

The LOEWER DiscMaster is the latest Loewer 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 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:**

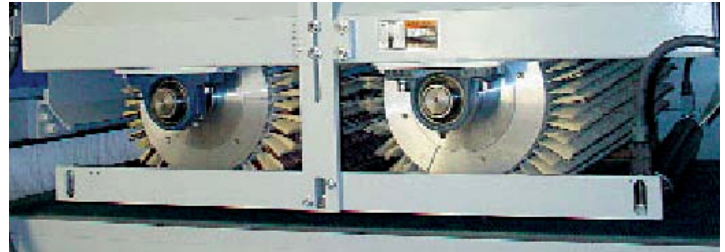
- 16 sanding discs 250mm (10") diameter, each with 24 keyways 75mm (3") long
- Gearmotor 2 x 1.5 kW (2HP)
- Variable disc speed 50-300 rpm by frequency converter
- Excentric orbital disc movement (patent pending)



- 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

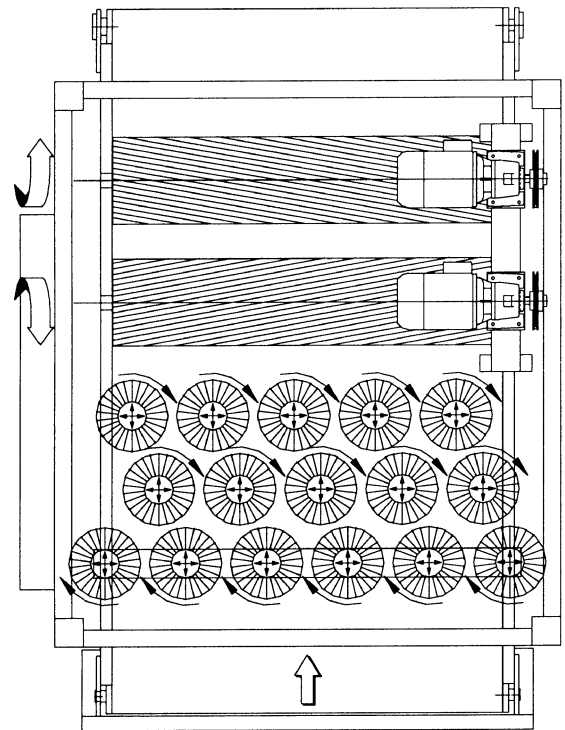
### Rotating Roller Spindles:

- 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)
- 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	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

