

**robotix**

DESIGN for AUTOMATION

Automatisierungstechnik GmbH

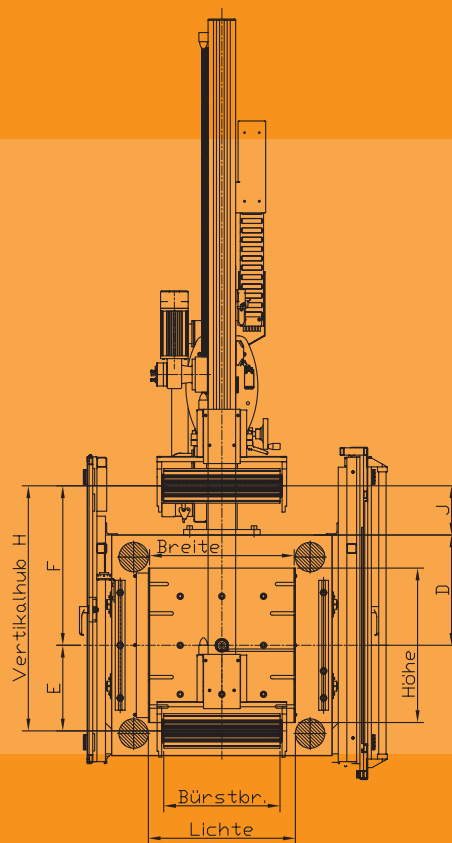
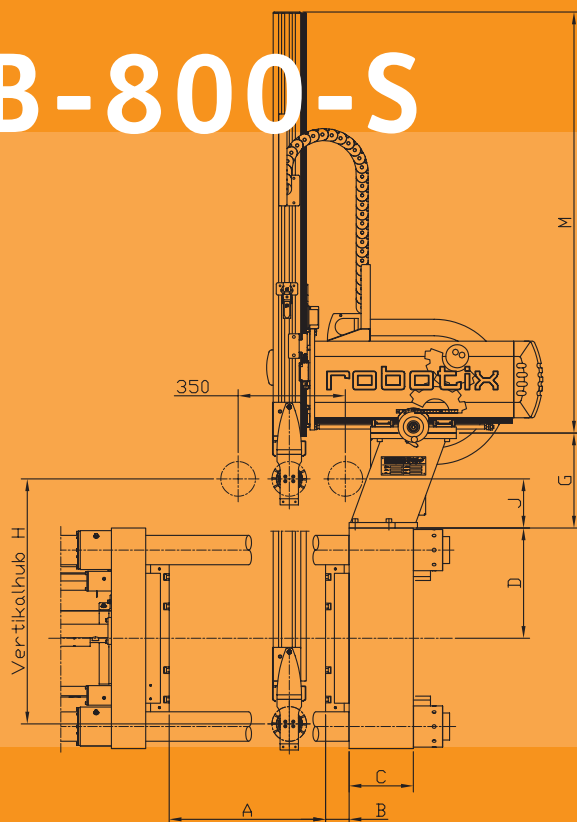
# RB-800-S Brushing unit

for IMM sizes from 80 to 300 tons

*Technical dates | english*



# RB-800-S



Modular system for IMM sizes from 80 to 300 tons consists of following groups:

- \* Single steel frame mounted on the nozzle side platen
- \* Vertical axis with pneumatic drive (option: motor driven)
- \* Brush head with integrated pneumatic drive (option: motor driven)
- \* Vertical axis with large aluminum profile gross section for strong stability
- \* Step less adjustment for mold height compensation (park position)
- \* Large spacing between the linear bearing for great precision
- \* Option: manual tool height adjustment



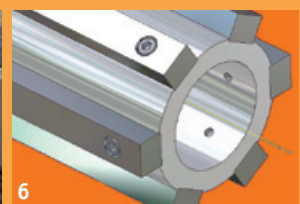
Type code: RB-800-S (Robotix Brush - 800 mm vertical stroke - Single frame)

Type	IMM	Heating plate		Tie bars	Brush width	Vertical axis
	Tons	Width	Height	Clearance	Nominal width	Stroke
RB-700-S	80	350	350	450	350	700
RB-800-S	100	450	510	510	450	800
RB-1000-S	300	550	630	600	550	1000

Type	A	B	C	D	E	F	G	J	M
RB-700-S	500	50-100	150	300	300	400	300	100	1075
RB-800-S	650	50-100	200	350	350	450	300	100	1175
RB-1000-S	800	80-100	250	400	450	550	350	150	1375



Build in 48 V-DC direct current motor (1000 W, 10 Nm)



1) Strait bristles  
2) Spiral brushes  
3) Spiral brushes

4) Small knock out strips  
5) Diagonal strips  
6) Change able strips

## Brush head modular system

\* Strip brushes in aluminum T slot fore stable support

\* Spiral brushes for quiet and smooth cleaning

\* Easy change for the spear strip brushes

### \* Versions:

- > Double brush head
- > Pivot axis for cleaning both sides
- > Pivot axis with locking in the end position

### \* Dimensions:

- > Diameter from 100 – 160 mm
- > Brush width from 400 – 700 mm

### \* Brush drives:

- > Pneumatic turbine with planetary gearbox torque up to 10 Nm
- > Speed 1000 rpm
- > Rpm sensor displayed on the IMM control screen
- > Motor driven with frequency converter
- > Hydraulic drive linked into the IMM hydraulic supply
- > Brushless direct current motor  
→ for clean room use
- > 48 V-DC save low voltage drive

### \* Bristle material

- > PA 6.6, d = 0,5 – 0,8 mm, BH = 15 – 25 mm
- > Standard in stock available
- > Special dimensions on request available
- > Rubber strip insert
- > Silicon strip insert



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*Standard unit  
with pneumatic vertical axis and  
motor driven brush (450 W)*



*RB-800-S | Special configuration: with pivot axis and manual tool height adjustment*

