

**MEBA**  
sawing solutions.

# MEBAe-cut

Powerful. Clean. Consistent.



## Machine Data Sheet

MEBAe-cut	400	400 A
	500	500 A
	600	600 A

Energy efficiency:  
Industrial first:  
High precision band saw  
powered completely  
with electrical drives



**KOMPETENZPREIS**  
BADEN-WÜRTTEMBERG

Trendsetting and resource-saving sawing  
technology for high demands.  
Only with electric components that reduce  
energy costs and environmental foot prints.

# MEBAe-cut 400, 400 A, 500, 500 A, 600, 600 A

## Technical Data

400	
type	semi automatic
45° lh	–
90°	Ø 400 500x400
45° rh	–
30° rh	–
motor	5,5 kW
saw blade	6220x41x1,3 mm
saw blade speed	15–150 m/min.
length of remaining piece without bundle clamp	manual: 25 mm automatic: –
length of remaining piece with bundle clamp	manual: 110 mm automatic: –
max. material size with bundle clamp	Ø 400 / 500x400
shortest Ø	5 mm
dimensions (LxWxH)	960x3100x2150 mm
working height	750 mm
weight	1250 kg

500	
type	semi automatic
45° lh	–
90°	Ø 500 500x500
45° rh	–
30° rh	–
motor	7,5 kW
saw blade	6220x41x1,3 mm
saw blade speed	15–150 m/min.
length of remaining piece without bundle clamp	manual: 25 mm automatic: –
length of remaining piece with bundle clamp	manual: 110 mm automatic: –
max. material size with bundle clamp	Ø 500 / 500x500
shortest Ø	5 mm
dimensions (LxWxH)	960x3100x2150 mm
working height	750 mm
weight	1350 kg

600	
type	NC automatic
45° lh	–
90°	Ø 600 600x600
45° rh	–
30° rh	–
motor	9,0 kW
saw blade	7900x54x1,6 mm
saw blade speed	15–150 m/min.
length of remaining piece without bundle clamp	manula: 25 mm automatic: 110 mm
length of remaining piece with bundle clamp	manual: 100 mm automatic: 160 mm
max. material size with bundle clamp	Ø 600 / 500x600
shortest Ø	5 mm
dimensions (LxWxH)	1950x3750x2450 mm
working height	750 mm

400 A	
type	NC automatic
45° lh	–
90°	Ø 400 500x400
45° rh	–
30° rh	–
motor	5,5 kW
saw blade	6220x41x1,3 mm
saw blade speed	15–150 m/min.
length of remaining piece without bundle clamp	manual: 25 mm automatic: 110 mm
length of remaining piece with bundle clamp	manual: 110 mm automatic: 160 mm
max. material size with bundle clamp	Ø 400 / 500x400
shortest Ø	5 mm
dimensions (LxWxH)	1620x3100x2150 mm
working height	750 mm
weight	1950 kg

500 A	
type	NC automatic
45° lh	–
90°	Ø 500 500x500
45° rh	–
30° rh	–
motor	7,5 kW
saw blade	6220x41x1,3 mm
saw blade speed	15–150 m/min.
length of remaining piece without bundle clamp	manual: 25 mm automatic: 110 mm
length of remaining piece with bundle clamp	manual: 110 mm automatic: 160 mm
max. material size with bundle clamp	Ø 500 / 500x500
shortest Ø	5 mm
dimensions (LxWxH)	1620x3100x2150 mm
working height	750 mm
weight	2150 kg

600 A	
type	NC automatic
45° lh	–
90°	Ø 600 600x600
45° rh	–
30° rh	–
motor	9,0 kW
saw blade	7900x54x1,6 mm
saw blade speed	15–150 m/min.
length of remaining piece without bundle clamp	manual: 25 mm automatic: 110 mm
length of remaining piece with bundle clamp	manual: 100 mm automatic: 160 mm
max. material size with bundle clamp	Ø 600 / 500x600
shortest Ø	5 mm
dimensions (LxWxH)	1950x3750x2450 mm
working height	750 mm

## Standard equipment

- MEBA power package
- Lifting and lowering of the saw frame with a frequency regulated lead screw drive, with automatic cutting pressure and feed regulator.
- Rapid lowering of the saw frame via button until material edge by height sensing
- Electric material clamping on main- and in-feed vice by servo-regulated spindle drive
- Automatic adjustment of saw blade guidance to material width
- Central and easy to use control with movable panel for flexible operation
- Bearing for band-wheels on both sides for high rigidity
- Minimum speed- and saw blade control on the band-wheel
- Powerful, frequency-controlled saw blade drive
- Robust 2-column linear-guided saw frame
- Saw frame guidance by pre-stressed linear guide ways and warp resistant frame construction
- Ribbed clamping bars on in-feed- and main vice
- Driven saw blade cleaning brush
- Double clamping main vice
- Inclination of saw blade is at 3°
- Combined precise saw blade carbide-roller guidance
- Saw blade tension by torque wrench
- Integrated and removable chip collection tray
- Coolant equipment can be combined with MEBA micro-coolant system

## Additional standard equipment

### MEBAe-cut 400 A / 500 A / 600 A:

- Ergonomic panel based on "Windows CE" system software
- Program memory: 50 programs with 20 sets each
- Innovative electric saw feed by ball screw technique on linear guideways
- Cutting canal is calculated automatically on multi-stroke function
- 3 counters for total production time, saw blade service life and production order

