



MEBA
sawing solutions.

MEBAmat

Power. Persistence. Precision.



Machine Data Sheet

MEBAmat | 434



The Power-Pack for continuous production cutting of almost any material.

Straight cutting automatic band saw with a fully enclosed design giving more safety and protection against chips and coolant
The ergonomic panel-control can be linked and provides several options:

- Teleservice for remote maintenance
- Creation of saw programs in the office
- Imports saw programs from CAD with DSTV-interface and data export
- Innovative electric saw feed by ball screw technique: An innovative electric ball screw saw feeding system provides ultimate cutting performance and quality while minimizing blade wear
- Material in-feed: Accurate positioning of the material by ball lead screw with servo-motor
- Uses of latest linear ball guide ways to provide solid smooth running, maintenance-free performer
- The vice opens on both sides for a smooth and frictionless material handling
- Minimum length of remaining piece by innovative vice system

MEBamat 434

Technical Data

434	
type	NC automatic
45° lh	–
90°	Ø 430 430x430
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: 20 mm automatic: 20 mm
length of remaining piece with bundle clamp	manual: 105 mm automatic: 210 mm
max. material size with bundle clamp	Ø 434 / 430x430
shortest Ø	5 mm
dimensions (LxWxH)	1600x3100x2200 mm
working height	750 mm
weight	4100 kg



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
- Automatic material height recognition by height sensing
- Hydraulic material clamping with full stroke cylinder
- Automatic adjustment of saw blade guidance to material width
- Central and easy to use control with movable panel for flexible operation
- 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
- Hydraulic saw blade tension
- Integrated and removable chip collection tray
- Coolant equipment can be combined with MEBA micro-coolant system
- Ergonomic panel based on "Windows CE" system software
- Cutting canal is calculated automatically on multi-stroke function
- 3 counters for total production time, saw blade service life and production order
- Innovative electric saw feed by ball screw technique on linear guide ways
- Both opening by the vice jaws at the when positioning the material

