

MEBAsteel

The clever solution for structural steel.



Machine Data Sheet

| | | |
|------------------|---------|----------|
| MEBAsteel | 1100 DG | 1100 DGA |
| | 1250 DG | |



MEBasteel 1100 DG, 1250 DG, 1100 DGA-3300



Technical Data

| 1100 DG | |
|--|-------------------------------|
| type | semi automatic |
| 30° li | Ø 450 420x430 |
| 45° li | Ø 510 700x430 |
| 90° | Ø 510 1100x430 |
| 45° re | Ø 510 700x430 |
| 30° re | Ø 450 450x430 |
| motor | 9,0 kW |
| saw blade | 9300x54x1,6 mm |
| saw blade speed | 15/150 m/min. |
| length of remaining piece without bundle clamp | manual: 40 mm automatic: - |
| length of remaining piece with bundle clamp | manual: - automatic: - |
| max. material size with bundle clamp | option not available |
| shortest Ø | 10 mm |
| dimensions (LxWxH) | 2000x4500x2300 mm |
| working height | 630 mm |
| weight | 5440 kg |

| 1250 DG | |
|--|-------------------------------|
| type | semi automatic |
| 30° li | Ø 520 550x520 |
| 45° li | Ø 560 800x520 |
| 90° | Ø 620 1250x520 |
| 45° re | Ø 560 800x520 |
| 30° re | Ø 520 500x520 |
| motor | 14,5 kW |
| saw blade | 10000x67x1,6 mm |
| saw blade speed | 15/150 m/min. |
| length of remaining piece without bundle clamp | manual: 40 mm automatic: - |
| length of remaining piece with bundle clamp | manual: - automatic: - |
| max. material size with bundle clamp | option not available |
| shortest Ø | 10 mm |
| dimensions (LxWxH) | 2450x4700x2850 mm |
| working height | 630 mm |
| weight | 6650 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.
- Display of lowering speed on scale
- Display of cutting pressure
- Stepless height adjustment by control panel
- NC mitre swivelling $\pm 30^\circ$ in both right and left directions
- Rapid lowering of the saw frame via button until material edge by height sensing
- Hydraulic material clamping with full stroke cylinder
- Robust 2-column linear-guided saw frame
- Powerful, frequency-controlled saw blade drive
- 7° attack angle for extreme and fast sawing
- Saw blade drive stops after cut is finished
- Automatic adjustment of saw blade guidance to material width
- Combined precise saw blade carbide-roller guidance
- Hydraulic saw blade tension with pressure relief during standstill
- MEBA micro-coolant system
- Minimum speed- and saw blade control on the band-wheel
- Electronic SPS-control
- Free standing control panel

Extended standard equipment MEBasteel 1250 DG:

- Movable lifting rollers on both sides for maximum material supporting surface
- Clamping jaws opens both sides for frictionless material transport
- Wide material clamping capacity:
 - 1250 x 520 mm and Ø 620 mm at 0°
 - 800 x 510 mm and Ø 560 mm at +/- 45°
- Passage height is changing depending on each clamping width



Technical Data

| 1100 DGA-3300 | |
|--|-------------------------------------|
| type | CNC automatic |
| 45° li | Ø 510 700x500 |
| 90° | Ø 510 1100x500 |
| 45° re | Ø 510 700x500 |
| 30° re | Ø 450 400x500 |
| motor | 9,0 kW |
| saw blade | 9300x54x1,6 mm |
| saw blade speed | 15/150 m/min. |
| length of remaining piece without bundle clamp | manual: 50 mm automatic: 330 mm |
| length of remaining piece with bundle clamp | manual: 315 mm automatic: 565 mm |
| max. material size with bundle clamp | Ø 510 / 1100x500 mm |
| shortest Ø | 10 mm |
| dimensions (LxWxH) | 7000x4500x2500 mm |
| working height | 750 mm |
| weight | 9000 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.
- Display of lowering speed on scale
- Display of cutting pressure
- Step-less height adjustment by control panel
- NC mitre swivelling $\pm 30^\circ$ in both right and left directions
- Rapid lowering of the saw frame via button until material edge by height sensing
- Hydraulic material clamping with full stroke cylinder
- Robust 2-column linear-guided saw frame
- Powerful, frequency-controlled saw blade drive
- Inclination of saw blade is at 3°
- Saw blade drive stops after cut is finished
- Automatic adjustment of saw blade guidance to material width
- Combined precise saw blade carbide-roller guidance
- Hydraulic saw blade tension
- Complete coolant system with immersed pump, can be combined with MEBA micro-coolant system
- Free standing control panel



- **Unique, patented double-mitre system:**
- Rotating table avoids sawing up of the material support
- Material is always clamped rectangular and close to the saw blade.
- Minimum speed- and saw blade control on the band-wheel
- Electronic SPS-control
- Piece counter
- Step-less height adjustment by height sensing
- Movable guide arm
- Ergonomic panel based on "Windows CE" system software

