



**Product information**

**MA 311**

Automatic welding machine  
for band saw blades

# MA 311

## Automatic welding machine for band saw blades

This tried-and-tested automatic welding machine is used for welding band saw blades by the MIG process and for repairing cracks in band saw blades.

The ends of the saw blade are fixed to the welding bench by quick-release clamps. The automatic welding process then begins, whereby the torch is precision-guided over the entire blade width. The blade remains in position both for pre-heating and subsequent annealing. The temperature can be regulated and the annealing time is adjustable via a timer switch. For repairing saw blades, the welding torch can be dismantled and used separately.

## Technical data at a glance:

- Band saw blade
  - Blade width 60 to 311 mm
  - Blade thickness 0.8 to 2.8 mm
- Gas mixture
  - Argon: 87 %
  - CO<sub>2</sub>: 13 %
- Annealing bench
  - Temperature 20° to 600°
  - Heating elements 3 x 1500 W
- Welding speed 120 to 540 mm/min
- Electrical supply
  - Supply voltage 230/400 V
  - Frequency 50/60 Hz
  - Fuse protection at 400 V operating voltage 16 A
  - Welding current setting range 20 A/15 V–200 A/19.5 V
- Welding wire 0.8 mm
- Net machine weight approx. 200 kg
- Dimensions 1600 x 1100 x 1780 mm

## Highlights:

- Useful addition to band saw processing systems.
- Simple handling.
- High-strength welds.

