

OPTIMIG 330

Automatic MIG welding machine for band saw blades



OPTIMIG was developed for welding band saw blades and consists of an electric preheating and tempering system that provides improved temperature control to avoid overheating of the steel.

To ensure uniform heating, the block is equipped with four clamping points with closing of the jaws from above for partial welds (cracks). The small heating width reduces the influence of the weld on the levelling of the saw.

Highlights

- ✓ Precise temperature measurement as close as possible to the weld seam
- ✓ Preheating and electric annealing
- ✓ 4-point clamping system for homogeneous tempering over the entire blade width
- ✓ Narrow heating width to limit the effects on the planarity
- ✓ Integrated cut-off scissors up to 240 mm of width (wider saws upon request)
- ✓ Clamping system open to the front for perfect welding of the cracks



The all-in-one system

The integration of the cutting and grinding station optimises the working space and thus reduces knife handling.

The geometry of the weld is ensured by the independent table adjustment system as well as the alignment of the plate to the "rear" rules.

Technical Data

GENERAL INFORMATION:

Blade width	up to 240 mm (special version up to 360 mm)
Blade length	6 m (min) up to 15 m (max)
Burner traversing speed	2 m / min
MIG source performance	400 - 415 V, 3~50/60 Hz 120 A bei 100%
Type of gas used	MIG - ARGON
Welding consumable wire	0.6 to 1 mm depending on material wire unwinding
Speed	1 up to 17 m / min
Weight	approx. 352 kg