SAM

Manual stellite tipping machine for equipping of the saw teeth by resistance welding process

The SAM manually stellites your band, gang and circular saw blades using the resistance welding process.

The SAM is suitable for small sawmills, is easy to operate and impresses with an outstanding price-performance ratio.

Highlights

- ✓ The stelliting of the saws is done manually. These are automatically re-annealed in a second work step.
- ✓ The structure of the stellite is not changed during welding, therefore no cracks or holes occur in the stellite
- ✓ The stellite is welded in horizontally and can be adjusted in width
- ✓ No need to clip tooth tips before welding
- ✓ No expert is required
- ✓ If the band and gang saws are stellited repeatedly, the residual stellite does not have to be ground away
- ✓ The central height adjustment ensures convenient insertion of the saws guaranteed
- ✓ Up to 12 teeth per minute can be stellited

Technical Data

GENERAL INFORMATION:	
Blade thickness	0.8 – 3.2 mm
Tooth pitch	13 – 115 mm
Tooth height	up to 30 mm
Rake angle	10 – 30°
Working speed	approx. 12 T / min
BAND SAW BLADES:	
Blade width	80 – 300 mm
Blade length	from 5'600 mm
CIRCULAR SAW BLADES:	
Circular saw outer Ø	250 – 1'000 mm
Circular saw bore Ø	22 – 210 mm
GANG SAW BLADES:	
Blade width	80 – 180 mm
Weight	approx. 1'500 kg
STELLIT:	
Round Stellite	Ø 3.2 / 4.0 / 5.0 / 6.4 / 8.0 mm
Shape stellite (prism)	P 5.0 / P 6.5 mm
PROPERTIES:	
Electrical connection	400V 3Ph N
Connected load	13.5 kVA
Welding transformer	300 A