

ALO 197

Induction back hardening and tempering of carbon steel band saw blades



THE SYSTEM COMPRISES:

Hardening generator and inductor
Tempering generator and inductor
Closed cooling system for generators and inductors
Band feeder
Quench system

CAPACITY:

Band width: 6 - 38 mm
Band thickness: 0.5 - 1.43 mm
Production speed: 5 - 9 m/min

OPTIONS / ACCESSORIES:



ALO 822
Double coiler



ALO 831
Double coiler



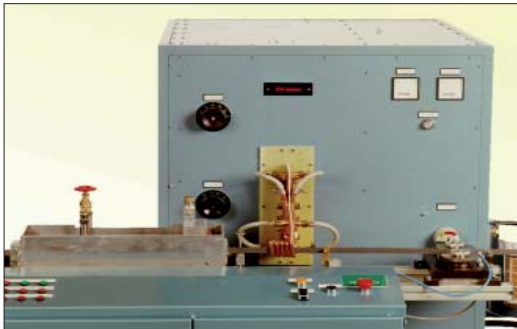
ALO 880
Electric coiler



ALO 106 CUBE
Coil handling system



Tempering and feeding



Hardening and quenching

MACHINE DESCRIPTION

The ALO-197 back hardener is designed for a combination of high production rate, easy to handle and a low power consumption which leads to high quality and low production costs. The Quench system with tank, pump, thermostat, heat exchanger, separator and a heating device for preheating the quenchant is designed for liquid quenching using oil, aqua-quench or similar quenchant. High reproducibility due to accurate digital/analogue settings of power and speed.

Generators

A 25 KW and a 15 kW generator will harden and temper in line. The closed cooling system, made for cooling of generators and work coils will assure clean and cooled water with constant pressure.

Band feeder with a pulling 4-wheel drive system and an adjustable brake unit for control of the band tension. Fast and easy to start up or change overs.

TECHNICAL SPECIFICATION:

Band width:	6 - 38 mm
Band thickness:	0.5 - 1.0 mm
Capacity:	5 - 9 m/min
Air pressure:	6.3 bar
Standard voltage:	400VAC \pm 10% 3-phase, 50-60 Hz \pm 1% directly earthed system, other voltages available upon request.

Power consumption (at max output power): 75 kVA

Other customer requirements may be discussed between customer and ALO.