Gerling SAWMASTER Automatic Brazing Machine

“The Ultimate in Sawmill Brazing Technology”

Special features:
- Sensor for removal of individual tips or complete removal of all tips
- Tip sorting by means of an optical non-touching positioning system
- Touch screen control panel for parameter input
- Quick and exact adjustment to different saw blade and tip sizes
- Easy setup and quick familiarization with the machine
- Reliable rotary-indexing-table system for tip transfer (patented DBP Nr. 3621 415)
- V top and alternate (left/right hand) tips brazed with ease
- OPTIONAL: Cutting and positioning of silver solder shim and flux onto the tip — allowing for the use of non pretinned tips

Technical description:
- Sorting and feeding of the carbide tips through the bowl feeder and longitudinal conveyor belt
- Dosing of flux onto the tip by means of a dosing valve
- Transfer the prepared carbide tip into the ceramic-equipped and water-cooled brazing grip
- Brazing of the carbide tips onto the saw body
- Annealing of the saw shoulder directly after brazing
- Manual loading and unloading of the un-brazed and brazed saws

Equipment:
- Rotary-indexing-table system
- Temperature control unit with pyrometer
- High frequency generator: 5.6 kW
- Touch screen control panel for parameter input and process indication
- PLC machine control
- Water cooling system

Technical data:
- Diameter of saw blades: 100 (4") - 810 mm (32")
- Rake angle: -10° to +30°
- Width of carbide saw tip: 1.5 (.060") - 10 mm (.400")
- Length of carbide saw tip: 5.0 (.196")- 27 mm (1.062")

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