



# GRSL

## AUTOMATIC STROBE SAW BRAZING MACHINE

### Special characteristics

- Innovative machine design for fast change over to different saw and strobe sizes
- Most machine settings are programmable
- High brazing precision
- Integrated robot system with high storage capacity and very fast movements for loading and unloading the saw blades
- Freely accessible machine protection system with light curtain
- Industrial PC with touch screen and the state-of-the-art machine control technology using WINDOWS

### Technical description

- Sorting and feeding of the strobcs by means of bowl feeder and separating unit
- The strobcs are fed into a water-cooled brazing grip and clamped with ceramic plates
- The brazing grip is transporting the strobe to the preparation stations
- Dosing of the flux onto the strobe
- Feeding, cutting and shaping of the silver solder onto the strobe by means of the integrated silver solder cutting station
- Dosing of the flux onto the silver solder foil
- The brazing grip transports the prepared strobe to the brazing position at the saw blade
- Temperature-controlled brazing of the strobe onto the circular saw blade
- Fully automatic positioning and indexing of the saw

- blade by means of electric motors and a sensor
- Automatic pick-up of the unbrazed circular saw bodies from the integrated loading magazine and positioning them onto the saw blade receptacle by means of a magnetic handling system
- Automatic pick-up of the brazed circular saw blade and placing onto the upper pin of the loading magazine in ergonomic control position for the operator

### Technical data

- Diameter of saw blades: 150 – 750 mm
- Option: 800 – 1600 mm
- High-frequency power: 5.6 kW, 6 kW, 12 kW
- Brazing capacity: 2 strobcs / min.
- Strobe width: 1.5 – 6 mm
- Strobe length: 22 – 80 mm
- Machine dimensions: (L x W x H) 2200 x 1200 x 1800 mm

### Options

- 2 different strobe length in one cycle
- Water cooling system

Special design on request

