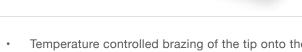


GLL

AUTOMATIC PRECISION BRAZING MACHINE



Special features

- Innovative machine design by use of servo drive technology for the handling units
- Few interchange parts for changeover with reduced set up time
- Changeover mainly by data input into the machine control
- Modern tip sorting system with laser camera and intelligent learning function
- Silver solder bending unit continuously variable programmable in all dimensions
- · Camera system for quality inspection (Option)
- Robot system with high storage capacity and very fast movements for loading and unloading the saw blades and saw separating system (Option)
- Freely accessible machine protection system with light curtain
- Industrial PC with touch screen and state of the art machine control technology using WINDOWS
- Technical description
- Sorting and feeding of the tips by means of bowl feeder, laser camera system and longitudinal conveyor belt
- · Precise tip preparation with servo gripper
- Programmable flux dosing
- Programmable solder shaping at the solder cutting station
- Defined transfer of the prepared tip into the ceramic equipped and water cooled brazing tongs

- Temperature controlled brazing of the tip onto the circular saw blade
- · Temperature controlled annealing process
- Fully automatic positioning and indexing of the saw blade by means of servo motors
- Automatic pick up of the unbrazed circular saw bodies from the 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: 90 - 750 mm

Special Ø: 800 – 2200 mm
Rake angle: -10° to +30°

High frequency power: 5.6 kW, 12 kW

Tip width: 1.5 – 10 mmTip length: 2.0 – 27 mm

Machine dimensions (LxWxH): 2200x1200x1800 mm

Options

- Camera inspection system
- · Silver wire feeding unit
- · Special tip feeding for PCD tips
- · Water cooling system
- Remote maintenance

Special design on request

