



# GLE

## AUTOMATIC BRAZING MACHINE



### Special characteristics

- Clearly arranged and reliable rotary-indexing-table System (patented DBP Nr. 3621 415)
- Easy to service
- Tip sorting by means of an optical non-touchable positioning system for tips
- Precise and exact positionable silver solder cutting Station
- Exact flux dosing onto the carbide tip and silver solder foil by means of an electronic dosing unit and a big flux container (no dirt, no drying up)
- Quick and exact adjustment to different saw blade sizes
- Easy to handle
- Quick familiarization with the machine
- Industrial PC with touchscreen and machine operation with WINDOWS interface

### Technical description

- Sorting and feeding of the carbide tips through the bowl feeder and longitudinal conveyor belt
- Dosing of the flux onto the carbide tip by means of dosing valve 1
- Cutting of the silver solder foil from a coil and stamping onto the carbide tip
- Dosing of the flux onto the silver solder foil by means of dosing valve 2
- Transferring the prepared carbide tip into the ceramic-equipped and water-cooled soldering tongs

- Brazing of the carbide tips onto the saw blade
- Manual loading and unloading of the unbrazed and brazed saw blades

### Equipment

- Rotary-indexing-table system
- Electronic dosing system
- Temperature control unit
- High frequency generator: 5.6 kW

### Technical data

- Diameter of saw blades: 100 – 810 mm
- Option: 30 – 80, 810 – 1600 mm
- Rake angle:  $-10^{\circ}$   $+30^{\circ}$
- Width of carbide saw tip: 1.5 – 10 mm
- Length of carbide saw tip: 2.0 – 27 mm

### Options

- Silver wire feeding unit
- Special tip feeding for PCD-tips
- Robot system
- brazing of gang saw
- Water cooling system

### Special design on request