



GLE

AUTOMATIC BRAZING MACHINE



Special characteristics

- Clearly arranged and reliable rotary-indexing-table System (patented DBP No. 3621 415)
- Easy to service
- Tip sorting by means of an optical system
- Precise and exact positionable silver solder cutting Station
- Exact flux dosing onto the carbide tip and silver solder foil by means of an electronic dispensing 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 touch screen 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 brazing tongs

- Brazing of carbide, cermet or polycrystalline diamond tips onto the saw blade
- Manual loading and unloading of the unbrazed and brazed saw blades

Technical data

- Diameter of saw blades: 100 – 810 mm
- High frequency generator: 5.6 kW
- Rake angle: -10° to $+30^{\circ}$
- Width of carbide saw tip: 1.5 – 10 mm
- Length of carbide saw tip: 2.0 – 27 mm
- Machine dimensions (L x W x H): 1,500 x 1,000 x 1,700 mm
- Weight: approx. 700 kg

Options

- Diameter of saw blades: 30 / 810 / 1,600 mm
- Robot system
- Silver wire feeding unit
- Special tip feeding for PCD-tips
- Brazing of gang saw
- Water cooling system

Special design on request