

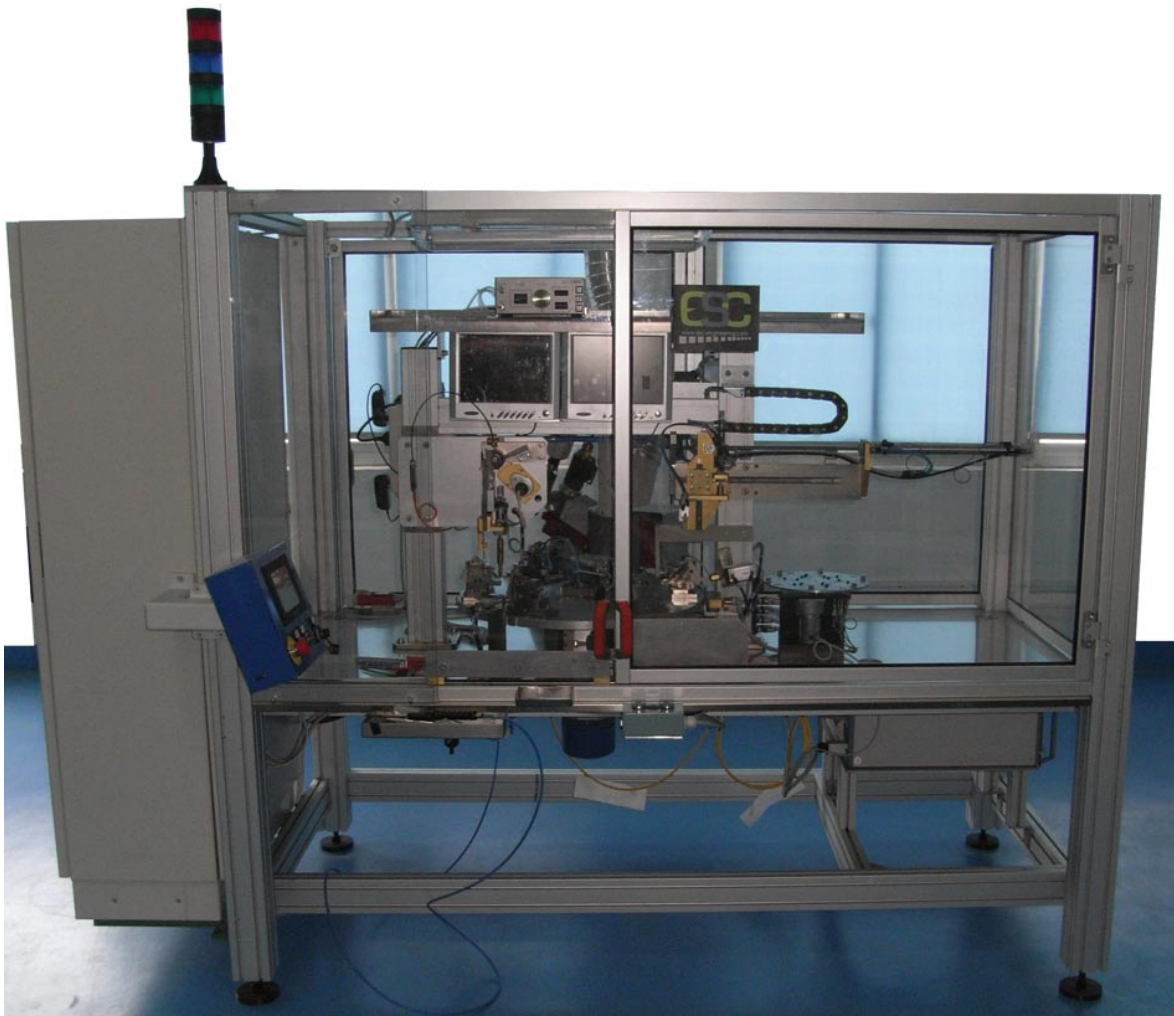


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LASER BRAZING MACHINE



The Laser Brazing Machine LBM-975-200 made by ESC allows to braise needles and armatures together.

The machine has been designed to automatically:

- load the needles in the brazing position
- dispense the quantity of brazing paste in the right position
- braise needles and armature by a laser spot
- download the brazed needle and armature into a removable basket



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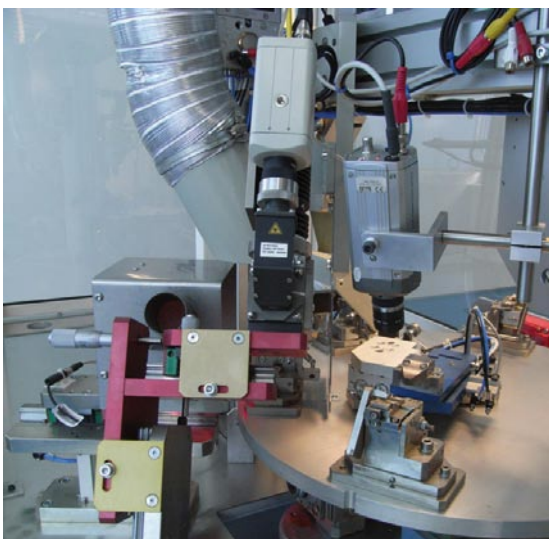
The laser system is a cutting edge diode laser source together with an high tech welding head focusing the 975 nanometer laser beam to the right position to get the best brazed joint.

The LBM-975-200 is customized to use the specific armature, the specific needle length and the specified angle between the armature and the needle.

Two cameras and related screens allow to inspect the brazing paste dispensing and the brazing by the laser beam.

An operator panel allows to set up the machine working parameters as well as controlling the working process.

A typical working cycle to braze one armature with one needle can be performed in around 6 seconds so the machine capability is to braze more than 500 groups per hour.



■ REQUIREMENT FOR INSTALLATION

POWER SUPPLY 380 V - three-phase
COMPRESSED AIR standard
FUMES EXTRACTION

■ OPERATING CONDITIONS

Temperature 22-28° C
Humidity 30-65 % RHL

■ DIMENSIONS

DIMENSION (Width x Deep x High) max 2500x900x2000 mm
WEIGHT max 600 Kg

The LBM machine complies to the applicable European Directives