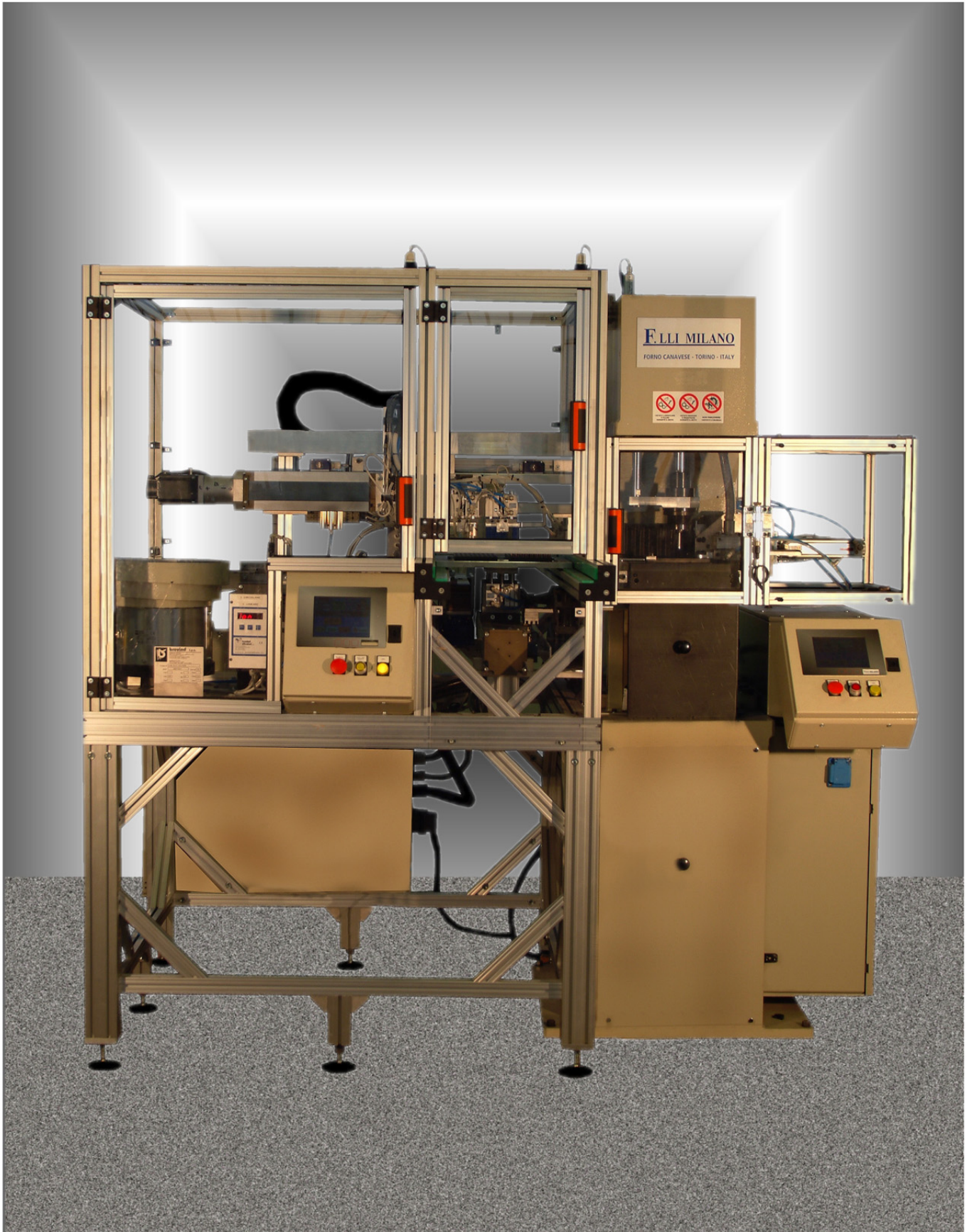


# Volumetric Press for diamond pearls for wire with robot and magazine



**F.LLI MILANO S.r.l.**

Progettazione e costruzione Macchine speciali

# VOLUMETRIC PRESS FOR DIAMOND PEARLS WITH ROBOT AND STORAGE

- Volumetric oil-dynamic press suitable to press diamond pearls, completely automatic with axes conducted by C.N.C. with fixed die and 2 punches in motion, and 1 automatic powder loader.
- Automatic palletizer to support the pearls press with CNC and display station, to assemble pearls and pins on graphite trays, with trays storage.

## Description of the press:

- press with normalized electro-welder structure
- operating cycles: manual / semiautomatic / automatic
- electrical plant in accordance with CE-standards, with appropriate electric cabin with integrated CNC
- CE certification with its report of conformity and the instruction manual
- upper hydraulic cylinder press-work with adjustable stroke through transducer position
- lower hydraulic cylinder with adjustable stroke through transducer position, which can also be used as extractor and automatic variation powder changer through CNC
- adjustable speed of ascent / descent of the cylinders
- n°1 automatic powder loader with sensor that indicates no powder in the tank
- punches and port-mold with the possibility of quick change of type and their measures
- Oil-dynamic unit with relevant electro-valves and system in compliance with the standards now in force with circuit for tank oil cooling

Maximum chamber for filling powder useful: 80 mm.

Rated power at 200 bar of pressure : Kg. 4000

Total power: 6 KW

## Description of the palletizer (robot):

The palletizer is an automatic machine, additional to the pearls press, which takes the pressed pearl from into the press, and puts it on a graphite tray, and at the same time a pin, taken from the pin storage, is inserted in the pearl. The palletizer has an autonomy of 2 trays, and an automatic system changes the full trays with empty ones, which are taken from the trays storage.

The palletizer is controlled by the CNC with its own display station, completely independent.

The machines are CE certified and have their report of conformity and the instruction manual.

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