

# ITALIAN MACHINE TOOLS, ROBOTICS & AUTOMATION INDUSTRY ~ NEWS

June 2023

PIATTAFORMA INDIA PROJECT

NEWSLETTER NO. 80



UCIMU-SISTEMI PER PRODURRE



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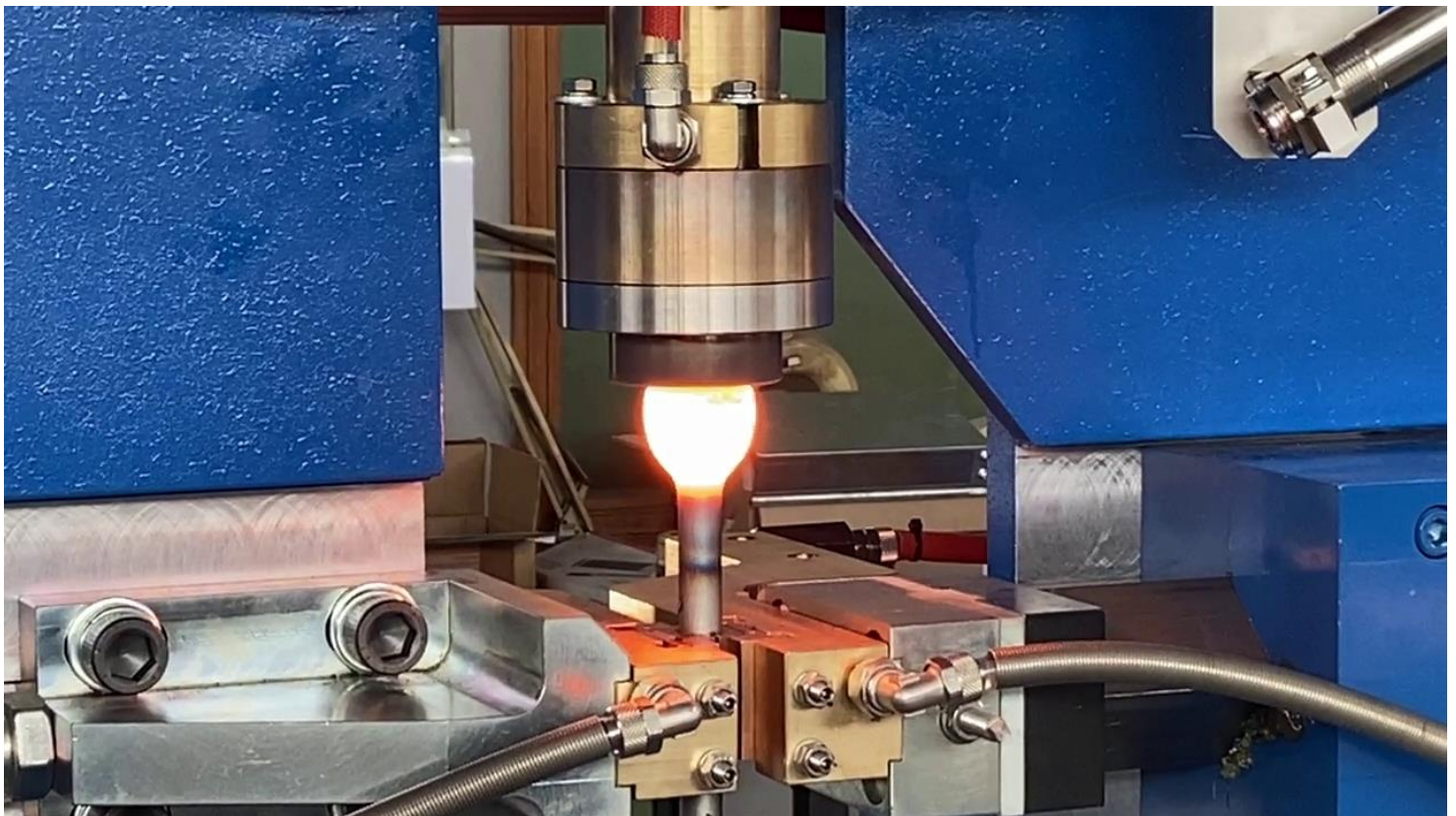
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## **GREEN TRANSACTION ON THE ELECTRO-UPSETTING TECHNOLOGY FOR THE FORGING INDUSTRY**

CEMSA International extends its range of ELECTRO-UPSETTING MACHINES full electric, with the introduction of a new series of three-phase AC INVERTERS (as a replacement of the of AUX SCRs power package), which guarantees very important savings in electricity consumption (close to 50%) compared to standard AC solutions.

Specifically we refer to a vertical electric upsetting machine of the "ER 80V / 100V" series, designed to be inserted in an automatic production cell to manufacture work tools, as well as engine valves for Cars, Van, SUV etc.



It has been found that this combination of the AC Inverter and brushless motors to be the best solution due to the extreme precision in controlling each stage of the production of the bulb shapes and suitable for meeting tight tolerances making easier and more precise the final forging on a DD Press.

## MAIN FEATURES

1. Bars sizes: Ø6mm ÷ Ø22mm
2. No hydraulic power unit and hydraulic cylinders
3. Hammer and anvil movements driven by brushless electric motors
4. Maximum precision and consistency in force and speed adjustments
5. Loading and unloading to/from these machines can be done from both sides of the machines due to the special design of the chassis
6. Noise reduction
7. Constant current monitoring along the several steps permitted
8. Suitable for upsetting titanium and special alloys
9. Perfectly homogenous distribution of the heating current both on the surface and in the heart of the bars

CEMSA International srl  
Angelo Alpago  
Managing director

The project Piattaforma India has been promoted by UCIMU – Association of Italian Machine Tools Manufacturers and AMAPLAST – Italian Plastics and Rubber Processing Machinery and Moulds Manufacturers Association. The two associations agreed on the idea that promoting a network of associations and entrepreneurs who have developed knowledge and experience on the Indian market, can be useful in favoring of new paths of development for business. The Indian companies who are interested to form JV, cooperation, technical tie up, purchase machinery etc from/with Italian companies can contact below mentioned address for any assistance:

Contact information of Piattaforma India desk:

**Mr. Nilesh Joshi**  
**Manager - Italian Machinery Desk in India**



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