

ITALIAN MACHINE TOOLS, ROBOTICS & AUTOMATION INDUSTRY ~ NEWS

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PIATTAFORMA INDIA PROJECT

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UCIMU-SISTEMI PER PRODURRE



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HORIZONTAL EXTRUSION PRESSES SERIES KE BY BALCONI DESIGNED TO PRODUCE ALUMINUM CANS, TUBES AND SIMILAR PRODUCTS

Brief introduction of BALCONI Company:

Balconi is an Italian company located in Varedo, 15 km North of Milan. Production of presses started in 1939 and philosophy, dedication and passion remain unchanged over time with a continues focus on quality and innovation.

Main objective of Balconi has always been to design and manufacture each installation, making each machine unique, reliable, performing and perfectly responding to the specific needs of each customer.

Balconi supplies “turnkey” installation for various sectors, from automotive industry to household appliances, thermorefrigeration, electrical components, aluminum coins and slugs, precision metal parts and metal packaging industry.

BALCONI horizontal extrusion presses series KE:

Balconi is proud to present the **horizontal extrusion presses series KE** specifically designed to produce aluminum cans, tubes and similar products, starting from an aluminum slug through the extrusion method (material due to the impact force generated by the machine goes up on the punch and forms the classic cylindrical shape with variable diameter, length, wall and bottom thickness depending on the force and slug thickness used).

Can or tube are therefore made in one stroke of press, at a speed that can reach 330 strokes per minute, according to the machine size (force) and the can/tube to be produced.

These machines are the head of large integrated production lines, completely automated, they run 24 hours a day, 7 days a week and they need to be extremely accurate to assure the maximum reliability either for the intrinsic difficulty of the extrusion method and for their intensive way of use.



Balconi horizontal extrusion press model KE 100-150 of 1.000 kN and speed up to 330 spm

Balconi has been on the market of extrusion presses since many years with machines installed all over the world which have been subject to continuous improvement and updating. Balconi has designed and manufactured the biggest extrusion press in the world with the production of a KE-2000 mechanical horizontal extrusion press with a force of 20.000 kN for the production of heavy technical parts for the automotive industry starting from an aluminum disc having 70 mm thickness and 7 kg weight each.

BALCONI New Generation of High-Speed presses series 2DMhs:

Among its production BALCONI produces **HIGH SPEED presses** from 400 to 6300 kN with speed up to 800 strokes per minute.

New generation of high speed presses has been integrated with enhanced, efficient systems and solutions to improve performances, increase productivity and to cut down customer's production costs. Some key features are:

- **Dynamic mass balancing system**
- **Quick lift system** to lift ram by 100 mm in a few seconds assures considerable time saving
- **Lubrication system:** oil is distributed from the crown to the bed all-round the press frame and it is kept at a constant temperature in order to avoid unequal frame dilatations and to assure accuracy in the time.
- **Brake-clutch-flywheel:** an easy-access system for quicker and cheaper preventive maintenance
- **Elastic balancing** cylinders of ram are maintenance free
- **Balconi Plunger system** assures better parallelism, longer tool life, more accurate blanks

For any information about our production please visit our website www.balconi.it or apply directly to sales@balconi.it

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:

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