

# ITALIAN MACHINE TOOLS, ROBOTICS & AUTOMATION INDUSTRY ~ NEWS

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PIATTAFORMA INDIA PROJECT

NEWSLETTER NO. 86



UCIMU-SISTEMI PER PRODURRE



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## VERTICAL HARD-BEARING BALANCING MACHINE

All rotors having a shorter axis length compared to diameter or having no shaft of their own can be conveniently balanced on balancing machines with a vertical rotation axis (e.g. grinding wheels, clutches, pulleys, flywheels, pump impellers, car wheels etc.). The balancing procedure is made possible by an adaptor or clamping tool allowing quick and easy loading/unloading of the rotor on the machine spindle. The residual unbalance depends on the centering accuracy (eccentricity) and on the centering repeatability (clearances) of the adaptor. The errors generated by the eccentricity unbalance of the adaptor can be automatically corrected by the CEMB measuring instrument. The vertical balancing machines can be built to measure the unbalance on just one (U version) or on two planes (E version).

### Model V5-15-30



This model of balancing machine is hard bearing, suitable for measuring rotors on one or two rotary planes not having their own shaft and requiring a high level of accuracy.

The unbalance value and its angular position are automatically detected and, at the end of the measuring spin, the cycle may include automatic indexing of the rotor to the correction position. Subsequent indexing is manually executed.

Thanks to the very quick and easy initial set-up, this model is equally suitable for batch work on rotors with identical characteristics and for balancing completely different rotors.

Three sizes of machines are available for rotors having a max. weight of 5/15/30 kg.

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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:

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