

# ITALIAN PLASTICS & RUBBER PROCESSING MACHINERY INDUSTRY ~ NEWS

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PIATTAFORMA INDIA PROJECT

NEWSLETTER NO. 84



UCIMU-SISTEMI PER PRODURRE



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## MAGNETIC LEVITATION ASSEMBLY

GEFIT developed a new family of assembly machines with intelligent magnetic levitation motion technology without any mechanical friction on the way, to the benefit of freedom, independence, and silent movement. The elimination of any physical contact with guides or supports also drastically reduces any possible wear and cleaning problems and maintenance work of the system. Furthermore, avoiding contact between the parts means no need for lubrication, making this system extremely suited for clean and white rooms.

Flexibility and dynamism are the watchwords of these new machines also thanks to the integration with robotic pick-and-place systems, that effectively streamline the feeding and the assembly phases.



The magnetic shuttles float seamlessly on the pathways with a fast and fluid motion, reaching a speed of 2 m/s, with an impressive acceleration and deceleration. GEFIT is also constantly focused on taking full advantage of the opportunities of the magnetic levitation platform, streamlining processes, and optimizing dimensions to obtain more compact and efficient machines.

Fast product change is another key feature: the shuttles can be easily replaced to handle components with diverse design and sizes, while the paths on the flyways can be dynamically adapted via software. The platform can be reconfigured with a small investment, thus satisfying the multiple needs of use, with the constant aim to deliver greater quality while containing costs.

The magnetic levitation technology allows fast, precise and wear-free motion.

The advanced technology of the platform makes easy to dynamically simulate all the assembly phases, granting a fast response time and an efficient design development. An accurate virtual commissioning of the working cycle enhances the capabilities of the company to define all the assembly phases with great accuracy and with a predictive approach in a virtual environment.

[www.gefit.com](http://www.gefit.com)

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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