

Efficient and fully automated intralogistics in the plastic industry

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The Montrac transport system by the Swiss company Montech optimizes intralogistic operations for increased productivity. At Fakuma 2008, Montrac can be seen “live” in Hall A7, Booth 7106.

When you need to increase productivity, the very first idea is to increase the number of machines. However, there is another option: automating and optimizing the material flow. “Often, a conventional conveyor cannot solve the intra-logistic requirements of a company. With Montrac, the products can be conveyed easily and quickly, with no queues”, says Alessandro Sibilia, CEO, Montech AG.

Transport system, belt conveyor and scale, all in one

Specifically for the plastic industry, Montech has developed a Montrac module provided with a belt conveyor and integrated scale. Through an accumulation belt, that works independently of the machine and process cycle time, the finished parts leaving a machine (for instance, an injection press) are collected and fed into a container located on a shuttle of the Montrac system. Here, the integrated precision scale by Eilersen measures the content weight with an accuracy degree up to 1/10 grams.

The whole process is automated and the parts can be dosed in batches of any size and weight with no further manual operations. “With this solution, injection molding presses can be perfectly integrated with the logistic system,” Sibilia explains.

Universal shuttle system

With Montrac, Montech has developed a transport system with a modular concept for universal applications. The self-moving shuttles run along the maintenance-free monorail track with speeds up to 30 m/min. The electrically operated elements (switches and crossings) do not require pneumatic operation (compressed air). Electric power is supplied directly through the rails. Shuttles and rails communicate via infrared rays.

Easy installation

The Trac monorails and TracLink connection elements ensure quick and easy assembling: two tools are all it takes to install a

Montrac line or to adapt it to new situations and requirements. “In this way, the layout flexibility is virtually unlimited,” Sibilia says.

Montrac Configurator

On the Website www.montech.com, all interested users can find an online configurator that allows to create their own Montrac line, testing different variants and options. With this online tool, it is quick and easy to adapt the monorail track to the customer’s operating needs and to available space in the installation place.

Montech AG markets basic modular components that automate demanding production and logistics processes. In addition to conventional conveyor belts, automation components and the Quick-Set profile system, the range of products also includes the Montrac transport system. Montrac is an intelligent transport system for networking industrial production and logistics processes. Founded in 1963, the company is based in Switzerland and stands for innovation in the automation industry.

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