

## Hygienic material flow for food processing

**Wilmington, NC, January 8, 2017. At the International Production & Processing EXPO (IPPE) Interroll will exhibit their leading solutions for hygienic food processing and dynamic storage.**

One of Interroll's key exhibits at the IPPE will be the DM0080 drum motor platform. This innovative motor platform is to be predominantly used in modern conveyor belt systems in manufacturing, food and beverage, distribution centers and airports. It features a completely modular design and offers both synchronous and asynchronous drive solutions. Initially, motors with a diameter of 80 mm will be offered; additional sizes will be rolled out at a later stage.

The recently introduced platform makes it easy to combine all of the components and guarantees short and reliable delivery times. Furthermore, all the options, such as encoders, brakes and return stops, are now available for all of the platform's motor variants. This makes it significantly easier for system integrators and equipment manufacturers to plan and implement efficient material handling solutions.

### **Top-notch hygienic conveying**

The DM0080 platform's modular design reduces production and delivery times. Furthermore, the new generation of drum motors stands out as a plug-and-play solution thanks to the advantages offered during installation and maintenance. In fact, the power supply can be established using a simple plug-in connection. This significantly reduces downtime for maintenance and repair work, resulting in considerable cost advantages for the user. In addition, all of the drum motors in the new design are IP69K rated and EHEDG-certified: this makes them more hygienic as the cleaning process is easier and much less time consuming, especially when compared with gear motors. Moreover, in a study conducted by academics at the University of Parma (Italy), ease of installation and maintenance, ability to fit into restricted spaces and superior energy efficiency were among drums' advantages over gear motors, though not necessarily in all applications. Other than possible lubricant contamination, drum motors clearly provided superior sanitary design, the authors concluded. Drainability, the ability to clean in place, reduced likelihood of cross-contamination and reduced soil accumulation were among the evaluation criteria where drum motors excelled.

### **Maximum flexibility for packaged goods with the Modular Conveyor Platform**

Interroll's Modular Conveyor Platform (MCP) will be a further highlight. It was developed by using an holistic approach to designing each process level – whether the ordering process, the planning of the conveyor system or its installation – as efficiently as possible. The modules themselves set a high standard for reliable and solid technical performance. This platform was designed for flexibility, modularity, attractive industrial design and simple handling during assembly and expansions. With the new modules in three standard widths, all common materials can be transported reliably. This keeps the expenses for combining different modules into a conveyor solution low and reduces the customer's stocking of spare parts to a minimum.

The platform can be used as a basis for retrofitting systems, allowing new or updated solutions to integrate with the current system, with little to no disruption to the flow of materials. This is ideal for raising the productivity of warehouses and distribution centers that already reached their space limit. Largely pre-assembled modules accelerate the installation on site. The Interroll conveyor modules can

be designed for the most efficient solution for each task. Zero pressure accumulation conveying can be implemented with proven 24 V RollerDrive. MCP already has a proven track record of boosting operation performance to new levels in the tire industry, e-commerce, the fashion industry and many more.

### **Optimized gravity roller conveyor operation**

Interroll will also exhibit the Magnetic Speed Controller MSC 50 that features an eddy current brake, making it maintenance-free. Double shielding prevents magnetic emissions entirely, and due to its bidirectional braking function, the MSC 50 cannot be mounted incorrectly. In addition, the MSC 50 speed controller is easy to install and is well-suited for retrofitting existing gravity conveyor installations. Different MSC 50 lengths and quantities can be used to scale the design and provide the ideal solution for a variety of applications.

The MSC 50 is designed for a maximum load of 112 lbf and a maximum infeed speed of 500 fpm. Maximum input is up to 3,000 units per hour. It has a specified ambient temperature range of 40 to 104 degrees Fahrenheit and is available in roller lengths of 8 to 55 inches. As a purely mechanical speed controller that ensures a controlled, slow speed on gravity conveyors with materials weighing from 1 lb. to a maximum of 77 lbs.

IPPE takes place in Atlanta's Georgia World Congress Center on Jan 30 to Feb 1, 2018. Visitors to IPPE can experience Interroll's material handling solutions at Interroll's booth B-5969.

### **About Interroll**

The Interroll Group is the leading global provider of material handling solutions. The company was founded in 1959 and has been listed on the SIX Swiss Exchange since 1997. Interroll provides system integrators and OEMs with a wide range of platform-based products and services in these categories: Rollers, Drives, Conveyors & Sorters as well as Pallet & Carton Flow. Interroll solutions are used in express and postal services, e-commerce, airports, the food and beverage industry, fashion, and automotive sectors, and many other manufacturing industries. Among the company's end users are leading brands such as Amazon, Bosch, Coca-Cola, DHL, Nestlé, Procter & Gamble, Siemens, Walmart and Zalando. Headquartered in Switzerland, Interroll has a global network of 32 companies with turnover of around CHF 401.5 million and 2,000 employees (2016).

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