



Interroll introduces new oil-free drum motor

Sant'Antonino, Switzerland, May 9, 2019. Interroll is now introducing a new version of its oil-free drum motor based on the new and improved Interroll Drum Motor Platform.

Already back in 2010 Interroll introduced the first oil-free drum motors. Since then, thousands of oil-free motors have been installed and are currently in use as a proven solution for many applications, in particular in the food industry. The oil-free drum motors now being introduced into the market are drum motors based on the new and improved Interroll Drum Motor Platform that has been on the market since 2017. Synchronous oil-free drum motors are by nature very efficient, which means less heat losses and a much higher power density, as opposed to asynchronous oil-free drum motors which are prone to overheating and power reduction and therefore loss in torque.

Compared to standard drum motors, the oil-free motor's performance is only minimally impacted by the different type of lubrication. Also, compared to a standard asynchronous motor, oil-free synchronous motors are stronger and better performing. But they require a frequency inverter and speed and torque are slightly reduced compared to a standard synchronous motor lubricated with oil. However, high-speed applications are still possible if the belt pull force is sufficient. This is also true for low-speed applications. Typical oil-free motor applications include transportation and packaging of lightweight goods such as candy, chocolate or pralines.

No leakage issues in sensitive production processes

Food manufacturers who have to comply with certain restrictions regarding food contamination benefit from this new option. Oil-free drum motors can be used for any application where the belt moves slowly (i.e., when the production process is in steps and accuracy is of paramount importance, like portioning and cutting for instance).

When installed correctly, Interroll Drum Motors have no leakage issue. The oil-free drum motor makes the entire production flow safer as it eliminates any potential risk of oil contamination. It works well in cool temperatures, which are often a requirement in the food manufacturing sector. In certain industries such as fish processing, the European Hygienic Engineering and Design Group (EHEDG) recommends the use of oil-free motors.

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PRESS RELEASE



Interroll's new oil-free drum motor is available in size 0080 and will be introduced for the size 0113 later in 2019.

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 (conveyor rollers), Drives (motors and drives for conveyor systems), Conveyors & Sorters as well as Pallet & Carton Flow (flow storage systems). Interroll solutions are in operation in express and postal services, e-commerce, airports, the food and beverage industry, fashion, 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 559.9 million and 2,300 employees (2018).