The Interroll Drum Motor Platform

A Versatile Belt Drive for a Broad Range of Applications
Interroll Drum Motors are used as a drive mechanism in belt conveyors. Thanks to over 50 years of experience in material handling, Interroll can offer a comprehensive range of belt drives for a vast array of applications.

The Interroll Drum Motor platform allows you to create belt drive solutions made of standardized, high-quality components that meet your exact needs and are compatible with all Modular Plastic Belts (MPB).

### Highly Efficient and Hygienic Belt Drives

- **High Torque, Wide Speed Ranges and Low Noise**
- **Energy-Efficient**
- **Extremely Hygienic**
- **Global Availability**
- **Compatible with all MPB**
- **Modular Construction**
- **Compact, Space-Saving Design**
- **Short Installation Time**
- **Extremely Durable & Robust**

### A Versatile Drive for Many Applications

Interroll Drum Motors are used in countless applications in several different industries:

- **Food Processing**
- **Tire & Automotive**
- **Airports Security & Baggage Handling**
- **Packaging**
- **Courier, Express & Parcel**
- **E-Commerce**
- **Warehousing & Distribution**
- **Industrial Manufacturing**
- **Supermarket Checkstands**
The Interroll Drum Motor...

### The Features

- **Extremely Hygienic**
  - ...follows EHEDG guidelines and meets the most stringent food industry regulations.
- **Energy-Efficient**
  - ...is built to be extremely energy-efficient.
- **High Torque, Wide Speed Ranges and Low Noise**
  - ...features a wide number of gear stages and a stable planetary gear box.
- **Compact, Space-Saving Design**
  - ...is a self-contained unit mounted within the conveyor frame.
- **Short Installation Time**
  - ...can be installed much faster than a gear motor. Also, a new plug-in cable solution is available.
- **Extremely Durable & Robust**
  - ...is very robust and practically maintenance-free.
- **Modular Construction**
  - ...features durable, easy-to-assemble standardized components.
- **Compatible with all MPB**
  - ...can drive all of your modular or thermoplastic belts.
- **Global Availability**
  - ...is a proven product available all over the world.

### The Benefits

- **Extremely Hygienic**
  - ...comply with all hygienic regulations and prevent costly recalls.
- **Energy-Efficient**
  - ...reduce the running costs of your drives by up to 50%.
- **High Torque, Wide Speed Ranges and Low Noise**
  - ...cover a wide range of applications but still offer an extremely quiet belt drive.
- **Compact, Space-Saving Design**
  - ...save a lot of space and add more conveyor lines within the same facility.
- **Short Installation Time**
  - ...reduce installation time and complexity, which means more efficiency for your business.
- **Extremely Durable & Robust**
  - ...lower your maintenance costs and cut downtime significantly, thus increasing your overall productivity.
- **Modular Construction**
  - ...have better lead times on your drives.
- **Compatible with all MPB**
  - ...become flexible in terms of applications and simplify your design efforts.
- **Global Availability**
  - ...have consistent product specifications and the same high-quality solutions all over the world.
## Technical Data

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- **Friction drive belt**
- **Positive drive belt**
- **Without belt**

Additional Benefits and Options

The following models are also available, although not part of the modular platform.

**RFID Chip**
At Interroll we constantly strive to improve our solutions to help you stay on top of your game. Digitalization and connected products are the way forward in material handling. That's why we integrated an RFID chip in our Drum Motors. This will allow you to identify the specific type of drive and its features, making your life a lot easier when it comes to fine-tuning your system, as well as maintenance and spare parts management. No more time wasted in finding serial numbers, digging up documentation and sending emails to ask for specs. You'll have all the info you need at your fingertips with one single scan.

**Cabling**
- **Straight and 90° Elbow Connection available (Hygienic Design)**
  The new plug connection is the ideal solution for quick installation and reduced maintenance effort. Connecting and disconnecting the cables is simple and can be performed safely and quickly in just a few steps. Complete disassembly is not needed for motor maintenance or for the replacement of a damaged cable.
  Standard cabling options such as straight or elbow connection, as well as a terminal box, are available on request.

**Laggings**
- **For Friction Drive Belt**
  A lagging increases the friction between the drum motor and the conveyor belt, thereby preventing slippage.
- **For Modular Plastic Belt**
  The lagging made of hot vulcanized NBR is compatible with all MPB.
- **For Positive Drive Solid Homogeneous Belts**
  The lagging made of Interroll Premium Hygienic PU is suitable for applications in food processing with high hygienic requirements.
The Most Hygienic Belt Drives on the Market

To help food manufacturers all over the world comply with all of the strict regulations in terms of hygiene in their material handling processes, Interroll has created the most hygienic belt drive currently available on the market.

Conventional gear motors are bulky, complex to install, and most importantly, non-hygienic. An independent study was performed by the University of Parma in Italy comparing Drum Motors and gear motors in conveyor belt systems for the food industry. The outcome suggests Drum Motors have a clear advantage when it comes to hygiene, energy savings and installation time.

The Interroll Drum Motor can be hygienically cleaned and disinfected regularly using high-pressure water, steam and chemicals. This helps you achieve the highest possible hygiene standards.

USDA and EHEDG Approved Design
The Interroll Drum Motor was designed following USDA and EHEDG guidelines and is certified for meat, poultry and dairy applications. Furthermore, with its IP69k sealing systems, the Interroll Drum Motor is the ideal solution for wet and high-pressure wash-down applications.

Guaranteed Lifetime of Materials
The chemical resistance of the materials used for Interroll Drum Motor has been validated in real environmental tests. Cleaning specialist Ecolab® has certified a 5 year minimum lifetime of materials when exposed to typical cleaning and sanitation procedures using the Topax range of products.

The Interroll Drum Motor is the most hygienic belt drive for the food processing industry.

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About Interroll

Established in 1959, Interroll has grown to become the world’s leading supplier of key equipment for material handling. Whether you’re handling boxes, pallets, parcels or soft goods, no other supplier has such a comprehensive range of solutions on offer.

This is why system integrators, OEMs and end users choose Interroll as a trusted partner for material handling installations, worldwide.

Interroll’s global reach ensures quick delivery and superior after-sale service for customers, no matter where they are. By helping increase our customers’ efficiency, we boost their competitiveness in today’s high-stress marketplace.

interroll.com

Interroll reserves the right to modify the technical features of its products at any time. Technical information, volumes, data and features are only rough guidelines.

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