

MOTORIZED PULLEYS BY RULMECCA.

TC103: 02/20

MOTORIZED PULLEYS IN FOOD PROCESSING & UNIT HANDLING APPLICATIONS

Compactness, light weight, improved safety, high reliability, low maintenance requirements, and excellent aftermarket service are why major equipment manufacturers and conveyor operators choose Rulmecca for their Motorized Pulleys.

Moving ahead.





Equipment manufacturers and conveyor operators have used Rulmeca internally powered conveyor belt drives throughout the world, since their introduction in the 1950s. They prefer the Motorized Pulley's compact size, light weight, reliability, safety, and ease of maintenance when compared with the limitations of exposed drive systems.

Hermetic shaft seals keep oil in and harsh environments out while allowing the oil to automatically lubricate all moving parts and cool the AC motor.

Manufacturers enjoy the simplicity of design and ease of assembly while operators take full advantage of the safer self-lubricating feature and 50,000 hour synthetic oil life.

The product's light weight is due to the use of cast aluminum components and the elimination of cast iron enclosures for the motor and gearbox.

Rulmeca Motorized Pulleys are used in the package handling and food processing industries in a wide variety of standard flat belt, plastic module, and positively-driven thermoplastic conveyors, as well as in many non-belt applications.

Rulmeca Motorized Pulleys function in numerous challenging applications including:

- Poultry, Fish, Pork, & Beef processing plants
- Fruit & Vegetable processing plants
- Beverage processing plants
- Postal, Parcel, & Retail distribution centers
- Airport Luggage handling & check-in systems
- Security Scanning systems
- Manufacturing & Automation systems
- Grocery Store check-out stands
- Warehousing





Rulmeca Group operates production centers and sales offices in more than 20 countries in the Americas, Europe, Asia, and Africa and has more than six dozen independent authorized Motorized Pulley service centers throughout North America. In addition to its Motorized Pulley production centers in Germany and Poland, the Rulmeca Group operates assembly & service centers in the USA, England, Denmark, and Italy, each with an appropriate staff and inventory to serve local markets.

Moving ahead.

Since its foundation in 1962, the Rulmeca Group, headquartered in Bergamo (Almé), Italy, has grown to become one of the world's leading manufacturers of premium components for material handling. We strongly believe in our positioning as a component supplier and have successfully remained faithful to our mission for more than 50 years. Our reliability as a partner has made Rulmeca one of the most trusted brands in the industry.

As a family-owned business, a long-term perspective and responsible action form the basis of Rulmeca Group's economic success. The unique combination of tradition and innovation, of quality and service is our key success factor. This is also seen in our consistent environmental and social responsibility throughout the value chain. More than 1200 employees in twenty-two production and sales companies all around the globe serve Rulmeca clients in 85 countries.

Along with our products, which help to handle and move bulk materials and unit loads all over the globe, the Rulmeca Group is also moving ahead. Building on our experience supplying to OEM and end users in Italy, one of Europe's key markets for unit handling applications, we have developed a comprehensive range of components for internal logistics: made by Rulmeca. Our aim? To remain the preferred supplier and trusted partner for our customers who produce and engineer machinery, equipment and systems for unit handling applications.

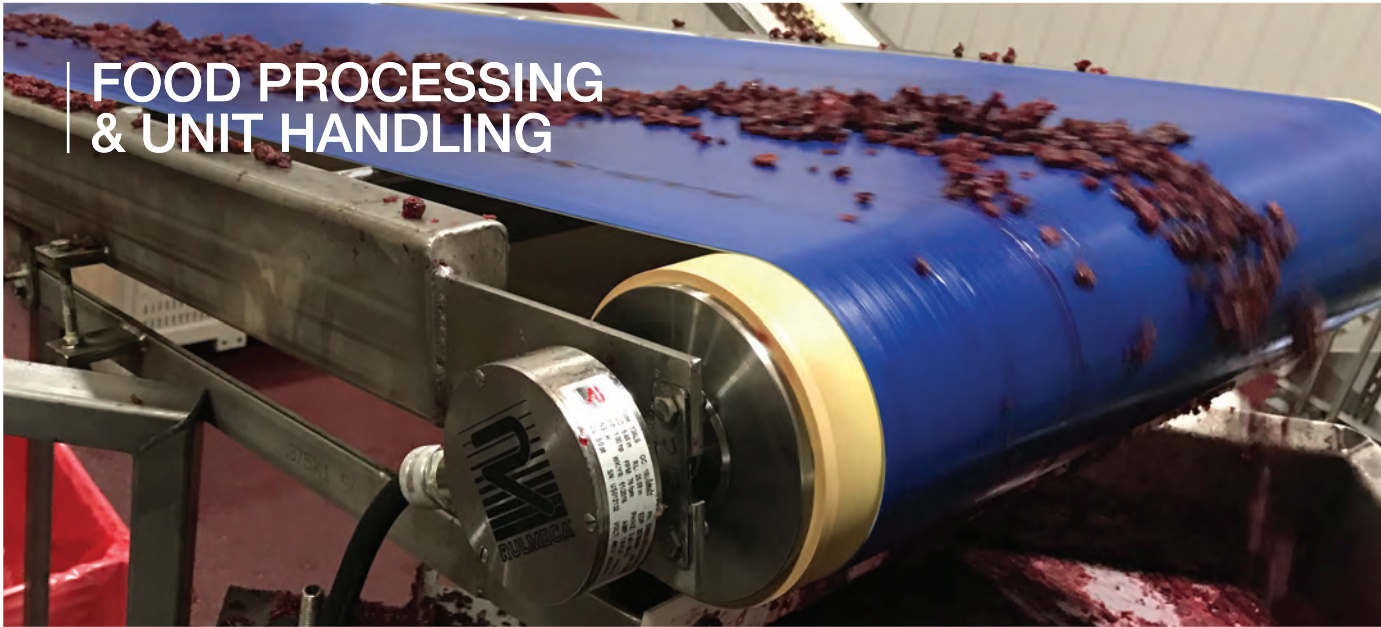
We have something important to offer to our customers. Rulmeca's international presence allows us to access the most efficient sources of procurement, thus boosting the competitiveness of our offering. At the same time our extensive network of affiliated companies and business partners allows us to always be in close contact with our customers. As a vertically integrated manufacturer, we have the flexibility to respond to individual needs whenever they arise.

Rulmeca Group has grown in recent decades to become the world's largest producer of belt conveyor rollers/idlers and motorized pulleys in the bulk handling industry. We don't only sell products, we find solutions. Our research departments are equipped with dedicated test facilities, where our products are thoroughly examined under extreme conditions. We are committed to the development of new products and the continuous improvement of our current range, often considered among the best in the market. Components provided by the Rulmeca Group improve the performance, safety and reliability of the systems, equipment and machines produced and utilized by our customers.

With the benefit of these assets and this strategic focus, the Rulmeca Group offers a portfolio of state-of-the-art components for a vast array of industries and applications handling both bulk materials and unit loads.

www.rulmecacorp.com

FOOD PROCESSING & UNIT HANDLING



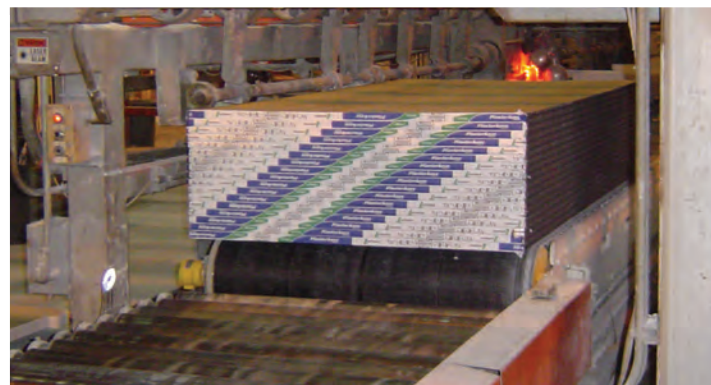
Rulmeca offers a complete range of Motorized Pulleys for various food processing and unit handling applications. Our state-of-the-art Motorized Pulleys are used in applications such as package sorting, security scanning equipment, bakeries, meat, fruit, and vegetable processing.

Our stainless-steel food grade Motorized Pulleys adhere to the IP69 DIN 60529 sealing standard for high pressure wash-down environments. This sealing system is standard on all stainless steel food/unit Rulmeca Motorized Pulleys and allows for thorough cleaning without risking damage or compromising on cleaning practices.

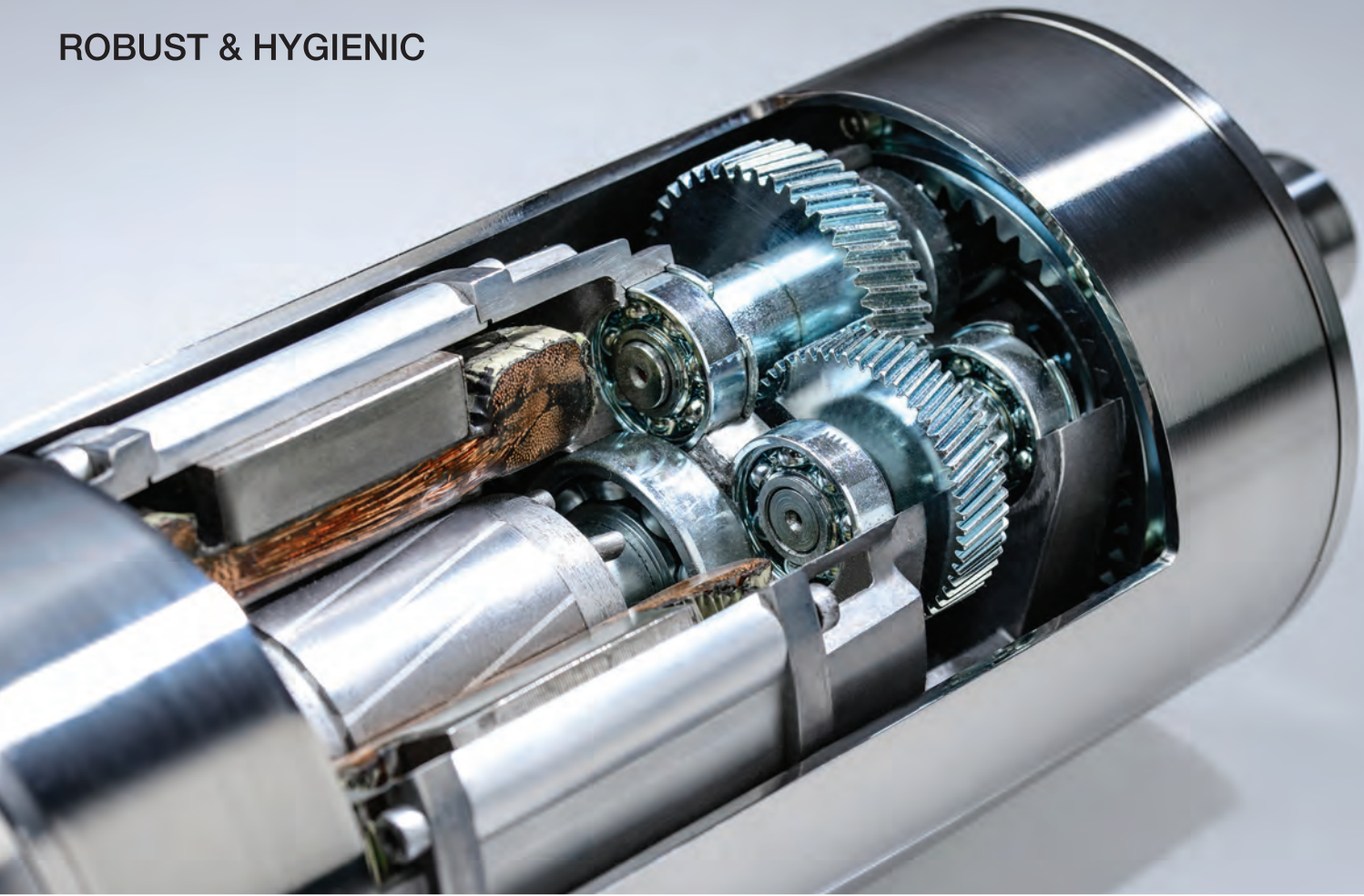
Rulmeca Motorized Pulleys also adhere to NSF/ANSI 3-A 14159-1-2014 Hygiene Requirements for meat and poultry conveyors on Motorized Pulleys from 3.21" to 6.50" diameter.

Rulmeca also has the capability to match most belt profiles by offering custom shells with knurled faces, section grooves, various types of rubber lagging, acetal sleeves, keyed sprockets, or shells machined for positive drive profiles.

Rulmeca's attention to quality, hygienic designs, and customizable shell designs make our Motorized Pulleys perfect for your next conveyor project.



ROBUST & HYGIENIC



Features & benefits

Improves plant hygiene

Thanks to its flat, smooth, stainless steel surface and hermetically-sealed design, the Rulmeca drum motor is easy to clean. The Rulmeca drive reduces the risk of contamination in food processing environments.

Resists harsh operating conditions

The Rulmeca IP69 sealing system protects the drum motor from the most aggressive operating conditions. Neither the presence of water, chemicals, grease, and oil nor high pressure wash-down procedures are problems for the drive.

Improves personnel safety

The Rulmeca drum motor protects plant personnel from pinch points as well as slip, trip, and fall hazards because it encloses all moving mechanical parts within a pulley shell. The drive eliminates the need for expanded metal guarding around rotating shafts, external gearboxes, motors, and cooling fans.

Reduces maintenance expense


Since the Rulmeca drum motor does not use external bearings, which require greasing and inspection, but rather encloses all mechanical parts within an oil-filled shell, it reduces maintenance requirements to a fraction of what exposed drive systems require.

Makes installation easier

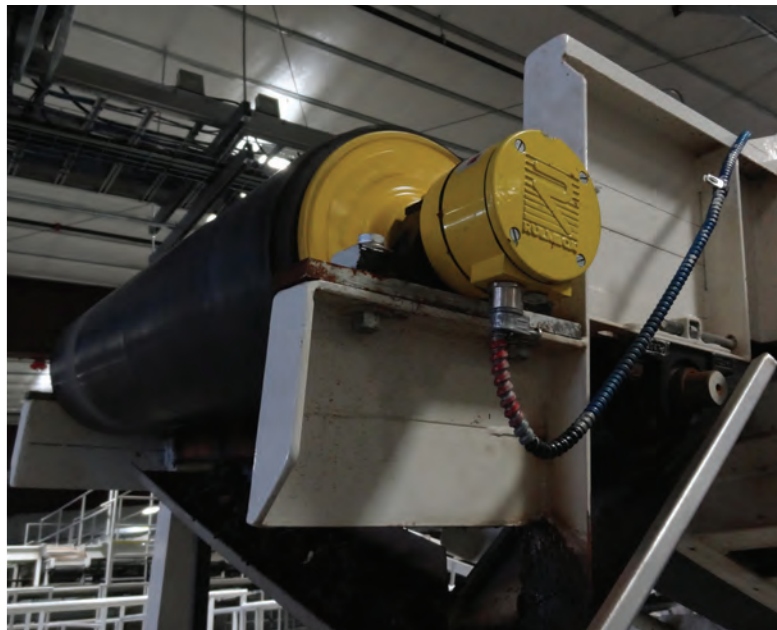
Since the Rulmeca drum motor is compact, lightweight, and pre-aligned, installation is quick and easy. Setting the drive only requires four bolts and electrical termination. Installation time is usually 1 to 2 hours. Heavy external gearboxes and motor frames, as well as guarding around rotating shafts, are eliminated.

Reduces energy consumption

Rulmeca drum motors require less than 90% of the electrical power of exposed drive systems when compared with motor/reducer/chain & sprocket or motor/reducer/V-belt drive configurations.



**EFFICIENT &
COST EFFECTIVE**



Improves conveyor reliability

Since 1952, the Rulmeca drum motor has been a reliable conveyor drive. The hermetic seals and continuous oil bath of all bearings and gears ensure that the drive provides consistent “up time” in spite of 24/7 operating conditions.

Increases conveyor drive operating life

The Rulmeca drum motor extends drive life because it eliminates the need to maintain external pillow block bearings, external shafts & couplings, external motor fans & cowlings. Continuous oil lubrication is automatic.

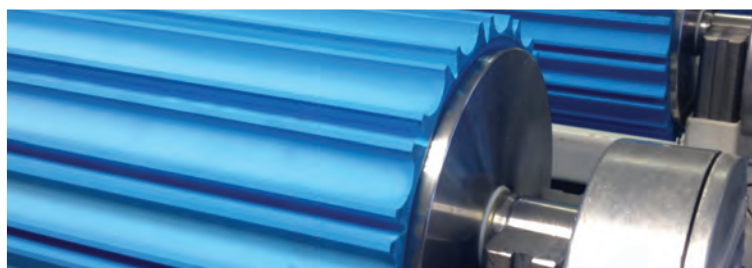
Saves Space

The Rulmeca drum motor encloses its motor, gearbox, and bearings within a hermetically-sealed, oil-filled pulley shell, making it a very compact and lightweight conveyor drive system. This is a big advantage to operators and manufacturers of package handling and processing equipment.





**SAFE.
POWERFUL.
PROTECTED.**
(That's how we roll)



Motorized Pulley Product Range

Our products

Rulmeca Motorized Pulley diameters of 4.45", 5.45", and 6.49" are most popular in unit handling and food processing applications. However, Rulmeca's complete portfolio includes eleven models, from the tiny 3.21" diameter 0.16 HP unit to the huge 40.16" diameter 330 HP monster. When combined in "multiple drive configuration", conveyor drive power is virtually unlimited. All popular belt speeds and face widths are available.

Motors are VFD-compatible and available to run on single phase and three phase power supplies including 115v, 230v, 380v, 460v, and 575v. Optional items include stainless steel components, food grade oil, various lagging materials, mechanical backstops, electromagnetic brakes, profiled pulley surface (in lagging material or stainless steel), sprockets matching popular modular belt, labyrinth seals, special paint, and incremental encoders.

Rulmeca Corporation offers "quick shipping" (1 to 2 days) from its Wilmington, NC facility on selected Motorized Pulleys.

model	diameter (in)	power (hp)	speed (fpm)
80LP	3.37	0.08 - 0.16	20 - 180
80LS	3.21	0.05 - 0.20	25 - 235
113LP	4.47	0.08 - 0.50	10 - 250
113LS	4.53	0.05 - 0.75	10 - 355
138LS	5.45	0.13 - 1.34	10 - 384
165LS	6.50	0.15 - 3.0	10 - 760
220M	8.50	0.5 - 5.5	48 - 600
220H	8.50	0.5 - 7.5	30 - 600
320M	12.64	1.0 - 15	38 - 600
320H	12.64	1.0 - 15	24 - 480



Global presence, local service,
local consulting, local assembly

Rulmeca Motorized Pulley People are
near you whenever you need us. We
speak your language and understand
your needs.



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