

# PREMIUM CONVEYING COMPONENTS

## ROLLERS



Steel rollers and Techno polymer rollers, with rubber rings for impact and return stations. The rollers produced by Rulmeca are manufactured according to all known national and international standards: ISO, UNI, DIN, AFNOR, FEM, BS, JIS, SANS and CEMA.

## TRANSOMS/FRAMES



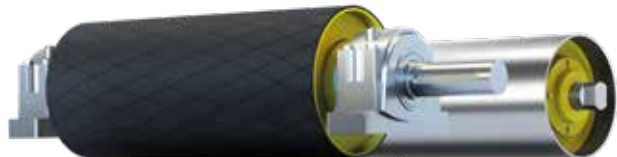
- CARRYING: Fixed carrying troughing set
- IMPACT: Used in the load points
- RETURN: Fixed return sets
- SELF ALIGNING: Solve problems of belt misalignment thanks to the large central pivot bearing and guide rollers.

## GARLANDS



The suspended garland sets are important components that assure ample movement possibilities and at the same time grant a fast, straight forward installation and maintenance. Suspended garland sets are quickly and simply installed, and allow maintenance to be performed on them without shutting down the plant.

## PULLEYS



Rulmeca designs and manufactures light and heavy duty pulleys, using materials of the highest quality in a production process employing advanced technologies. Rulmeca pulleys minimize noise and vibration as well as contribute to a longer belt life for overall lower cost of ownership.

## CLEANERS



The cleaning equipment is used to assure the general plant efficiency and to reduce the periods of service needed for maintenance. Hard steel scrapers and polyurethane cleaners are well known for their efficiency, for ease of installation, for their project simplicity and economy of use.

## COVERS



Rulmeca covers fulfill the requirement to protect belt conveyors and contain dust and noise (available in pre-formed PVC and in corrugated galvanized sheet steel).

## GLOBAL PRESENCE AND LOCAL SERVICE



- Manufacturing, Sales, Service
- Sales, Service

Australia  
Canada  
China  
Denmark  
Finland  
France  
Germany  
India  
Indonesia

Italy  
Poland  
South Africa  
Spain / Portugal  
Sweden  
Thailand  
United Kingdom  
USA

### ABOUT RULMECA

Founded in 1962, the Rulmeca Group has grown to be a leading partner to the global materials handling industry. Rulmeca Group is one of the world's largest suppliers of rollers, idlers, pulleys and motorized pulleys for heavy duty belt conveyors for quarries and mining applications and of Rollers, Drum Motors and 24V Drive Rollers for Intralogistics.



**RULMECA**  
MOVING AHEAD

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**BULK HANDLING**  
ROLLERS/IDLER  
MOTORIZED PULLEYS  
PULLEYS AND COMPONENTS

**RULMECA**  
MOVING AHEAD

# MOTORIZED PULLEYS



### SPACE SAVING DESIGN:

the drive unit and the bearings are mounted inside the Motorized Pulley shell so it takes up much less room than a conventional drive. Due to its compact size and smooth lines, quite often the Motorized Pulley is out of sight, because it is hidden within the conveyor frame.



### NO MAINTENANCE:

it requires no maintenance other than the recommended oil change every 30.000 hours standard oil, 50.000 hours synthetic oil (almost 10 years considering 8h/day for 5 days working).



### SAFETY:

the Motorized Pulley is probably one of the safest drives available because the motor is completely enclosed and the external shafts are stationary.



### LOWER ENERGY COST (EFFICIENCY):

the Motorized Pulley has a much higher efficiency from electrical motor to shell (pulley face) than conventional drives, because it has fewer frictional losses and therefore mechanical efficiencies up to 97% can be achieved. Energy savings up to 35% compared to conventional exposed-drive conveyors.



### LOW NOISE:

thanks to the totally sealed enclosure and high-quality gears the Motorized Pulley runs almost at a whisper, reducing noise to minimal decibel levels.

Motorized Pulleys are available from Ø 138 mm to Ø 1000 mm, with a variety of lagging options to provide a durable drive with a long service-life. Totally enclosed: motor, gearbox and bearings are totally enclosed and sealed inside a steel shell. Motorized Pulleys have a safe and worry-free design that withstands the harshest conditions and reduces operating costs.



Motorized Pulleys are designed and manufactured according to the Explosion ATEX directive. Group II category 3D (for Dust) zone 22.



Stay ahead with the ability to make timely decisions! Revolutionary **Remote Monitoring System (RMS)** for conveyor components available for Rulmeca Motorized Pulleys MP500, MP630, MP800 and MP1000.



# BULK HANDLING

## SOLUTIONS FOR ANY INDUSTRY



MINING, COAL  
AND LIGNITE



STEEL AND POWER  
PLANTS



RECYCLING, CRUSHING  
AND SCREENING



SALT AND SUGAR  
PLANTS



PORTS, IMPORT  
AND EXPORT TERMINALS



CEMENT, QUARRIES  
AND TUNNELLING

Today's movement of goods and bulk materials require state of art products. Since its foundation in 1962, Rulmeca, headquartered in Bergamo (Almè), Italy, has grown to become one of the world's leading manufacturers of conveyor rollers/idlers, motorized pulleys, fabricated pulleys and other components for the bulk handling industry. 1,300 employees in eighteen production and sales companies around the globe serve clients in 100 countries. Today, Rulmeca Group's global business incorporates the product brands Rulme-

ca, Precismeca, Melco and Douglas. All four of them specialized in the supply of long-lasting premium belt conveyor components. Rulmeca Group products are developed and produced to meet the most demanding challenges of all major bulk handling applications.

The close partnership with our customers, OEMs, engineering companies and end users confirms us as one of the most trusted brands in the industry. We have the expertise, the experience and the products you need, contact us.





● **PSV SERIES**

Suitable for all Bulk handling applications.  
Shaft diameter range: from 20 to 50 mm  
Tube diameter range: from 63 to 219 mm



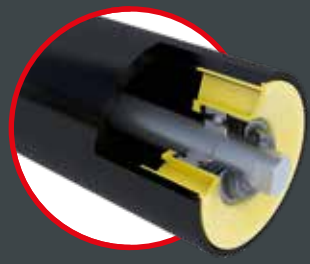
● **MPS SERIES**

For light duty conveyors at high/medium speed.  
Shaft diameter: 15 mm  
Tube diameter range: from 50 to 102 mm



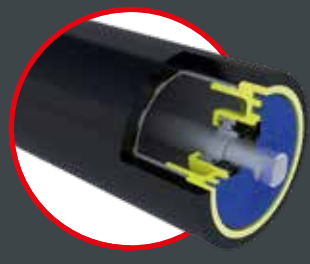
● **PL SERIES**

For light duty conveyors in severe corrosive environments.  
Shaft diameter: 20 mm  
Tube diameters: from 89 to 140 mm



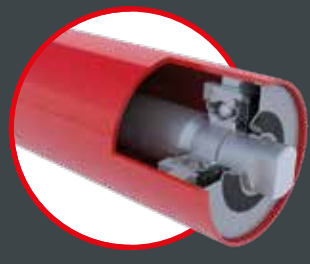
● **TOP SERIES**

For light/medium duty conveyors in aggressive and corrosive environments.  
Shaft diameters: 20 to 25 mm  
Tube diameter range: 89 to 133 mm



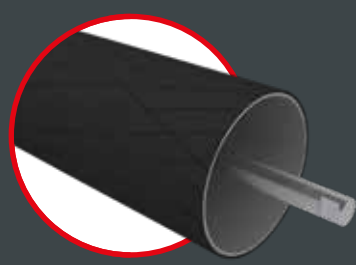
● **SUPREME SERIES**

HDPE rollers with steel inner tube, for medium/heavy duty applications.  
Shaft diameters range: to 25 to 40 mm  
Tube diameter range: from 102 to 178 mm



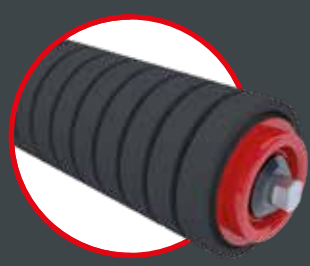
● **DSK SERIES**

For very heavy duty belt conveyors.  
Shaft diameters: from 50 to 90 mm  
Tube diameters: from 133 to 219 mm



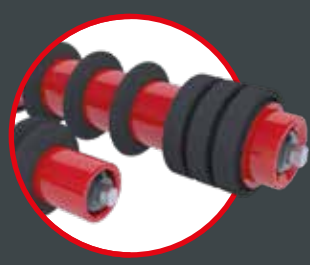
● **BTR SERIES**

Rulmeca belt tracking roller, solves severe misalignment problems without modification of the conveyor structure.  
Belt width range: from 500 to 1800 mm



● **IMPACT ROLLERS**

With rubber rings and steel core, these rollers are designed to absorb the stress given by the impact of the material drop.



● **RETURN ROLLERS**

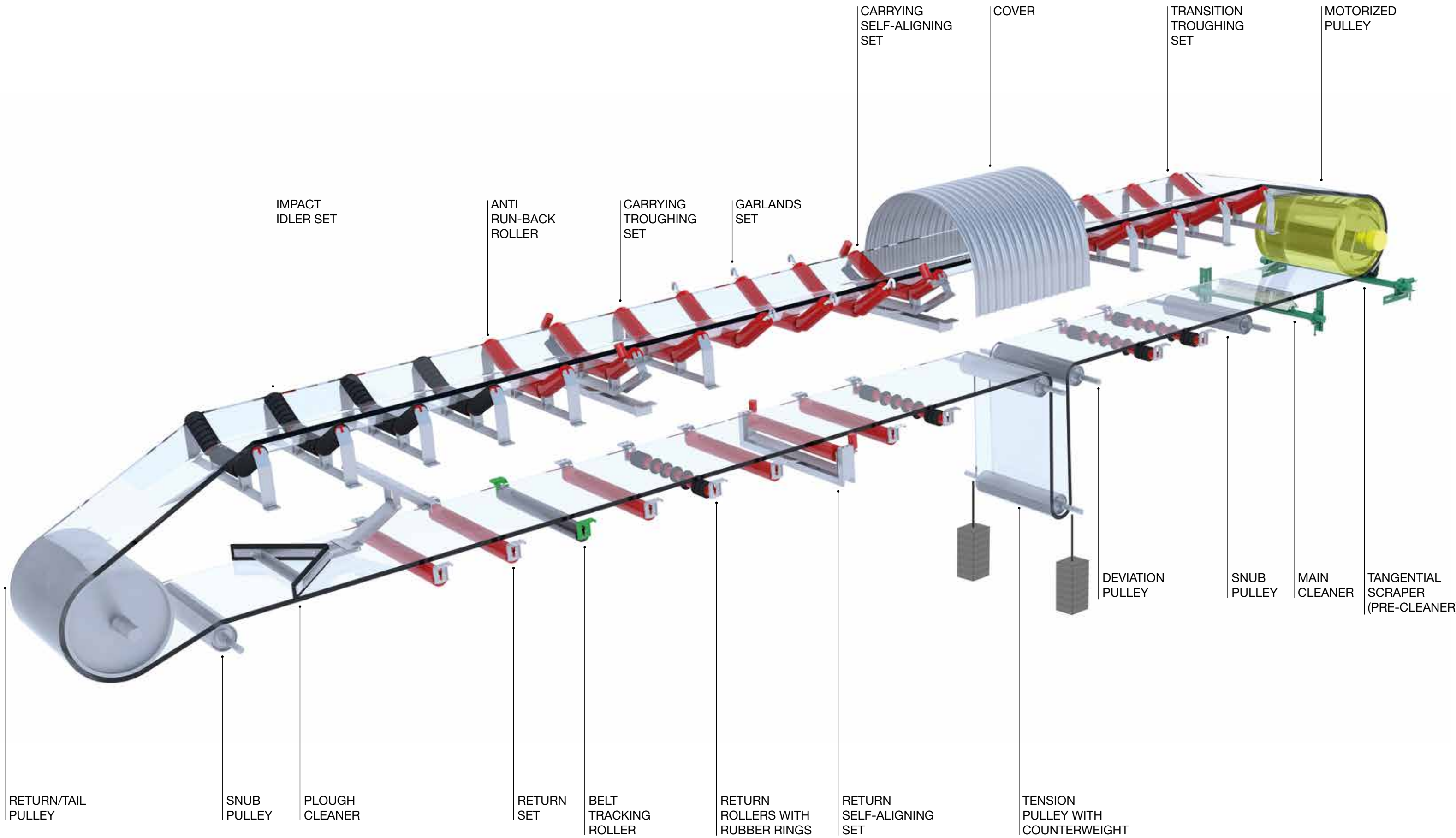
Return rollers contribute to eliminating the build-up of material, particularly present in the belt centre.









● **GUIDE ROLLERS**

Guide rollers are composed of a base roller and are vertically mounted in pairs at the edges: their function is to limit the side-slip of the belt.

# ROLLERS/IDLERS AND COMPONENTS FOR BULK HANDLING APPLICATIONS



**ROLLER FIELDS APPLICATION**

	 MINING, COAL AND LIGNITE	 CEMENT, QUARRIES AND TUNNELLING	 STEEL AND POWER PLANTS	 PORTS, IMPORT AND EXPORT TERMINALS	 SALT AND SUGAR PLANTS	 RECYCLING, CRUSHING AND SCREENING
PSV	...	...	...	..	.	...
MPS	.	...	..	.	.	..
PL	.	.	.	..	...	.
TOP	...	...	...	..	..	..
SUPREME	...	...	...	...	..	...
DSK	...	.	..	.	.	.

• = Aplicación especial

.. = Sugerida

... = Recomendada

Application must be evaluated taking into consideration application loads and environmental conditions. Let Rulmeca assist you with selecting the correct products.



Rollers, stations and garlands certified according to ATEX 94/9/EC norms,  
Explosion Group I category M2 for Mines,  
Explosion Group II category 2G for gas and 2D for dust,  
Explosion Group II category 3G for gas and 3D for dust  
(Zones 1, 2 for gas, Zones 21, 22 for dust).

BECAUSE  
PARTNERSHIP  
MATTERS

[rulmeca.com](http://rulmeca.com)

