

Introduction to Motorized Pulleys



Reduced energy consumption

Compared to many corresponding motor and gearbox systems commonly used in industry, Rulmeca Motorized Pulleys are able to use less energy for the same performance, helping to reduce power consumption, benefiting the environment and reducing energy costs.

Increased efficiency

Rulmeca Motorized Pulleys have a higher efficiency compared to traditional motor transmission systems, which are normally able to transfer approximately 75% of the power used to the belt. A Rulmeca Motorized Pulley is able to transfer up to 97%.

Ease of installation

Rulmeca Motorized Pulleys are much faster and easier to install when compared to traditional multiple component motor transmission systems, typically requiring less than a quarter of the time for installation. With fewer parts to consider, conveyor design and assembly is easier and quicker, procurement is also simplified reducing overall costs.

Space-saving design

With motor, bearings and gearbox enclosed inside the casing, motorized pulleys are very compact, requiring less space, increasing the aesthetic and functional value of the finished conveyor.

Designed for the toughest conditions

The Rulmeca Motorized Pulley is designed to operate perfectly even in the most aggressive environmental conditions such as, in the presence of water, dust, grit, chemicals, grease, oil and even during high pressure wash-down procedures.

Guaranteed for food

Thanks to its flat smooth surfaces, stainless steel finish and totally enclosed, hermetically sealed design, Rulmeca Motorized Pulleys are easy to clean reducing contamination risk in food processing environments.

Safety

Component parts are totally enclosed within a Rulmeca Motorized Pulley. With the external shafts held captive in a conveyor frame, the only moving part is the body of the pulley running under the conveyor belt. Conveyors can be designed in such a way preventing any of the drive pulley to be visible, resulting in an extremely safe method to drive conveyor belts.

Maintenance-free

The fully sealed design ensures that internal parts are not exposed to external environmental conditions or tampering. A completely self contained unit, requiring no maintenance throughout its service lifetime.