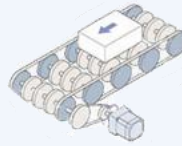
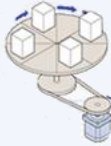
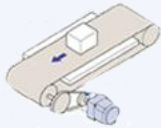
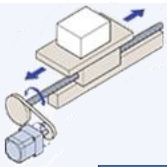
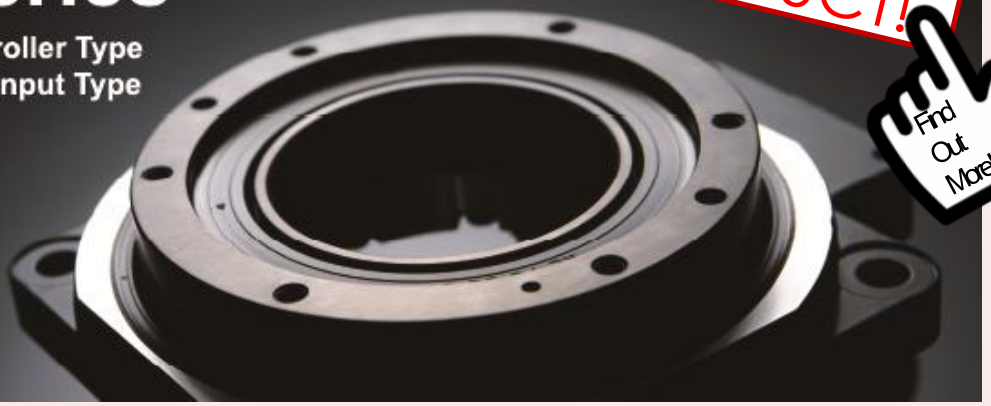


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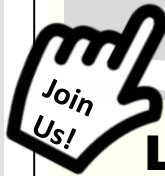
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Lesson 4

Technical Information

What is the difference between Induction motor and reversible motor?

The main difference between an induction motor and a reversible motor is the installation of a friction brake into the reversible motor. The purpose of the friction brake is to improve the braking time so that the motor can be reversed quickly. The friction brake on a reversible motor prevents the motor from getting into a "negative torque" situation, therefore allowing the motor to change directions quickly. The trade off for this ability to change directions quickly is that the reversible motor runs warmer than an induction motor, which means a reduction in duty cycle. While an induction motor is rated for continuous duty, the reversible motor has a 30 minute duty cycle. The friction brake causes the motor to run warmer than an induction motor.

Construction of Reversible Motor

