



# Itoh Denki 24v Powered Rollers

Motor driven rollers (MDR) are conveyor rollers with an internal motor. Each roller controls a small zone of slave-driven rollers meaning they are perfect for zero pressure accumulation (ZPA). Being 24v, they are safe and energy efficient.

Dyno is a trusted Itoh partner. Itoh Denki's products are designed and manufactured in Japan. They maintain a high level of product by rigorous quality control and ISO9001 certification.

## 24v DC Powered Roller Options

<b>Motor shaft</b>	<b>Shaft on the non-motor side</b>	<b>Shape</b>	<b>Pulley</b>	<b>Sleeve</b>	<b>Lagging</b>	<b>IP 54</b>  <b>IP 65</b>  <b>Cold Room</b> 
 Plain hexagonal  Threaded hexagonal	 Hexagonal spring loaded  Set screw	 Grooved  Crowned	 Ribbed  Grooved	 Tapered  PVC	 Polyurethane  Natural rubber / nitrile	

# Itoh Denki 24v DC F-RAT

Operating at a safe low voltage the F-RAT will transfer your product quickly, quietly and smoothly. Easily configurable, it can shift product forwards and backwards, left and right. Being a complete unit means easy integration within any conveyor to upgrade and automate transferring and sorting of product.

## 90 and 45 Degree Transfers

**90° transfer** Ability to move product in 4 different directions

FRAT-S



FRAT-U



**45° transfer** Compact pop up diverter (Version 45° and 30°)

POP-UP



Up to 60m/min  
Up to 2500 cases/h\*

Mini 300x300 mm  
Max 600x650 mm



Up to 60m/min  
Up to 2200 cases/h\*

Mini 225x225 mm  
Max 600x650 mm



Up to 3000 cases/h\*  
Straight conveyor:  
up to 60m/min max  
Diverter 45°:  
up to 90m/min max

Mini 300x300 mm  
Max 600x650 mm

\*In the case of a transfer rate of 50%

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