

Throughout our company's history, the driving force behind Motion Index Drives Inc. has been creating innovative solutions to develop the best indexing devices on the market to make automation more simple and efficient.

Motion Index Drives' Robot Transfer Unit offers the highest precision guard rails, rack and pinion system and closed loop motor control system so you can manufacture the best product possible.



**MOTION**  
INDEX DRIVES

**Robot  
Transfer Unit**



**MOTION**  
INDEX DRIVES



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QUALITY IN MOTION SINCE 1970



# MOTION INDEX DRIVES

Specializing in Custom  
Engineered Indexing Solutions

## Robot Transfer Unit

Motion Index Drives Robot Transfer Unit is designed to meet customer specifications efficiently as possible.

- By utilizing a direct drive gear reducer and gear rack, we achieve higher accuracy and better performance with less components.
- The robust tubular steel construction is designed for easy maintenance and accessibility.
- Oversized linear bearings guideways enable it to handle more mass as the integrated internal cable carrier reduce floor space consumption.

## INCLUDES

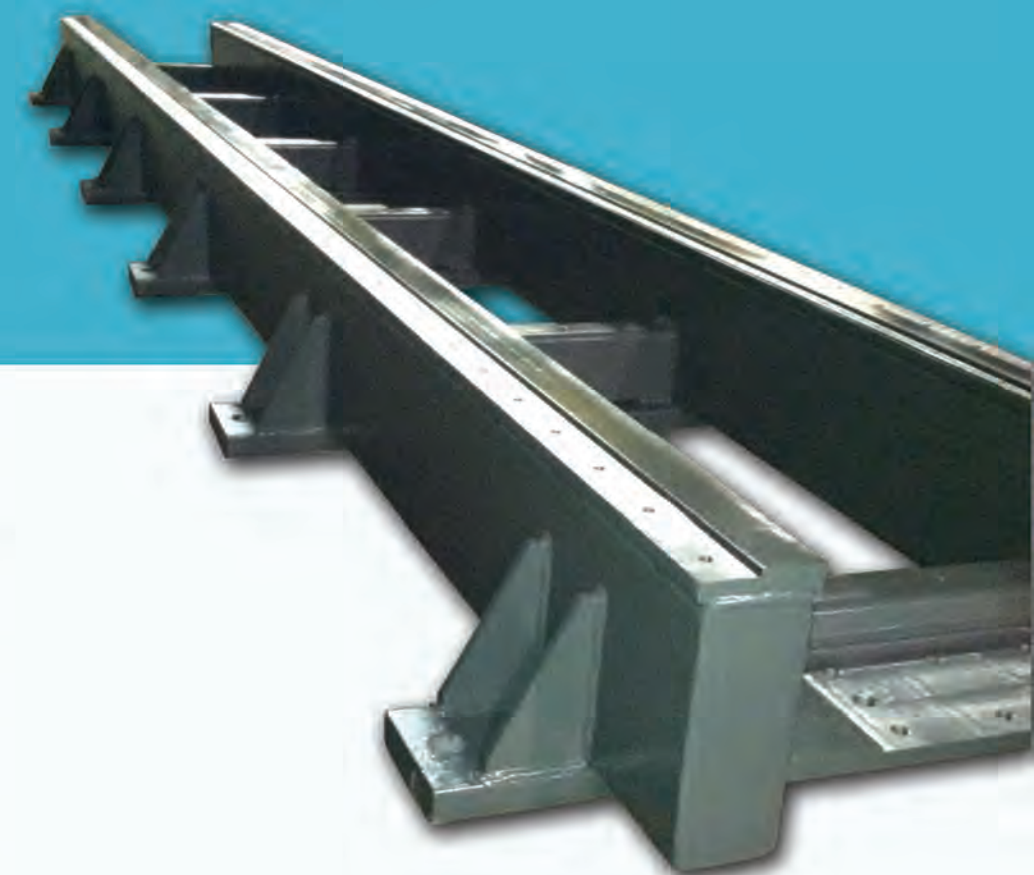
- High Precision linear rails/guideways with blocks
- Cable management and cable management tray (to be mounted externally or internally by Motion)
- Hard stops on each end of transfer for overtravel
- Leveling bolts, weld brackets and leveling plates
- Special coating to reduce friction and eliminate external lubing
- Installation support by Motion Index Drives at customer facility & if required at the customer site during install

## CAPABILITIES

- Standard accuracy - DIN 6 on gear rack  $\pm 0.003''/ft$
- Rack is hardened and ground
- Low backlash Gear Reducer  $< 7$  arc minute
- Transfer unit is fabricated and machine welded steel construction
- Transfer carriage manufactured to mount customer robot
- Equipped ready to accept any robot brand servo motor

## CUSTOM FEATURES

- Length
- Accuracy/high
- Motor Brands
- Cable Tray Location
- Color



*Fabricated out of heavy duty structural steel  
Made in the U.S.A.*



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