

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' Programmable Indexing Linear Position Shuttle 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



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## ILM Series Tool Tray Transfer

## Includes

Motion Index Drives Tool Tray Transfer system 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.



- High Precision linear rails/guideways with blocks
- Cable management and cable management tray (to be mounted 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 +/-0.003"/ft

Rack is hardened and ground - S.F. of rack 4.58:1

Low backlash Gear Reducer <7 arc minute

Total axis load moving over 100,000 lbs (slide frame and fixture)

Transfer unit is fabricated and machine welded steel construction

Transfer carriage manufactured to mount customer tooling tray and fixtures

Localized pads machined for mounting of tooling tray

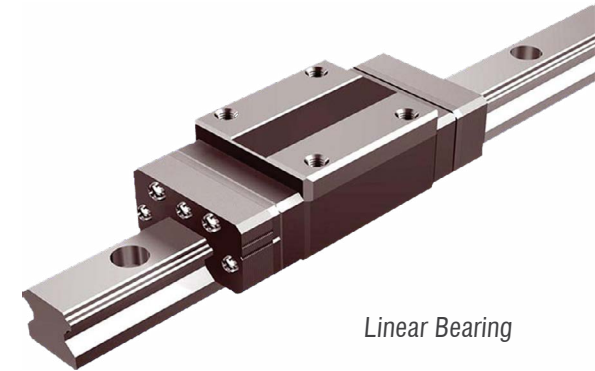
Equipped to handle AC Motor with absolute encoder or servo motor control

## Custom Features

- Length
- Accuracy/high
- Motor Brands
- Carriage Size and Design
- Cable Tray Location
- Cable Management System
- Color

## Optional Specifications

Motion Index Drives can supply and commission control panel at customers request



Linear Bearing

A Thin Dense Chromium lubrication protects processing equipment against wear and corrosion extending the lifetime and maintaining the quality of the gearing.

