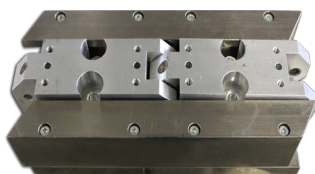


Motion Index Drives' Precision Link Conveyors combine excellent accuracy and high index speed capability with versatility to meet any automation challenge. They consist of an index drive, gear reducer and brake motor or manufactured ready to accept a servo motor. Hardened dual drive sprockets guarantee a backlash-free motion transmission between the drive unit and conveyor chain links. Fixed, hardened chordal compensation cams on both ends of the Precision Link Conveyor maintain a precise tension level in the chain link assembly at all times.

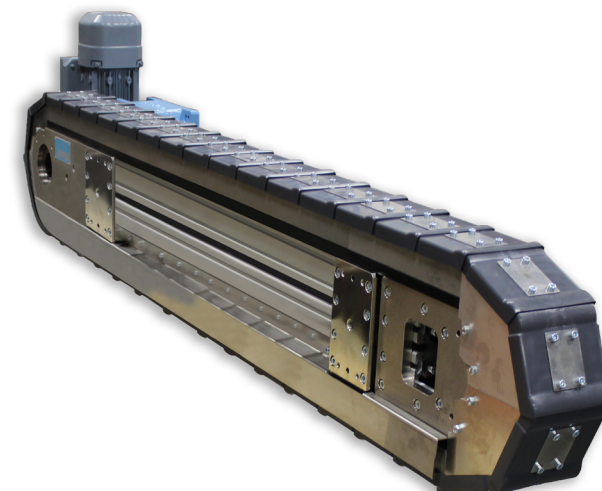


MOTION INDEX DRIVES



Link and Track Section

The design of the Precision Link Conveyor is based on a modular assembly chassis concept. The conveyor length between the dual drive sprockets and the fixed chordal compensation cams can be customized according to the required number of work stations. Motion Index Drives can customize our conveyors to fit your application.



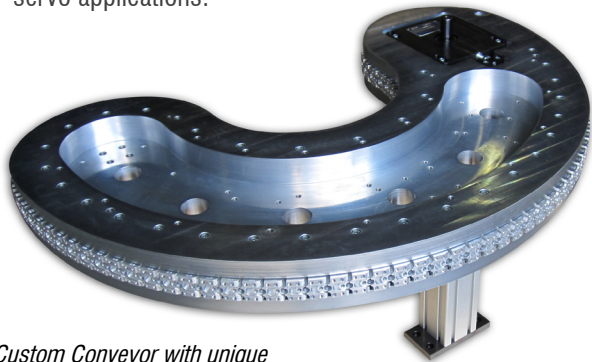
p. 248.743.9999 • f. 248.743.0749
1204 E. Maple Troy, MI 48083 • www.mid.us.com



LFA Series Precision Link Conveyor

Key Benefits

- High quality machined aluminum links allows for less internal inertia and results in higher loading capabilities, faster index times, and smaller indexer required to drive conveyor.
- Four cam followers engaged on every link to steel track, which are sealed requiring no maintenance.
- Aluminum extrusion framework to allow for extremely long and very straight lengths, giving the flexibility to mount conveyor and any stationary items to conveyor with virtually no effort versus drilling and tapping.
- Center frame can be manufactured to allow for holes, cutouts, or pass throughs.
- High accuracy through a precision fixed rotary index drive and/or a very low backlash gear reducer for servo applications.



Custom Conveyor with unique geometry and 37.5mm pitch

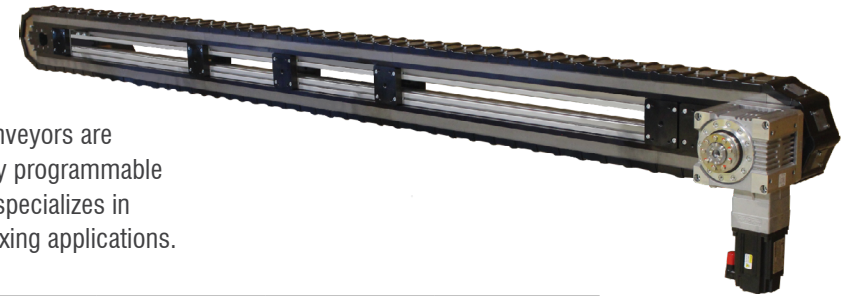
Technical Benefits for End Users

- Easy synchronization of other mechanical devices.
- Maintenance-free indexing drive
- Easy to mount other external stations.
- Low maintenance (adjustment of preloading on links done only once a year).
- Guide rails are hardened and fine milled.
- Can be mounted in a vertical or horizontal

Options Available

- Can accept all varieties of motors and servo motors.
- Custom index and dwell angles.
- Overload protection devices.
- Custom link sizes and linear strokes.
- Custom hole patterns on links.
- Stainless steel, nickel plating or other special surfaces on select areas.
- Can be manufactured to any length.

Standard Precision Link Conveyors



Motion Index Drives Precision Link Indexing Conveyors are offered in many different strokes and completely programmable servo driven options. Motion Index Drives also specializes in highly complex configuration precision link indexing applications.

	LFA50	LFA080	LFA100	LFA125	LFA150
Precision mm(inch)	+/-0.08 (0.003)	+/-0.08 (0.003)	+/-0.08 (0.003)	+/-0.08 (0.003)	+/-0.08 (0.003)
Force Vertical*	700 N	700 N	700 N	700 N	1250N
Force Horizontal*	2600 N	2600 N	2600 N	2600 N	2600N
Tilting Moment*	80 N-m	80 N-m	80 N-m	80 N-m	120 N-m

