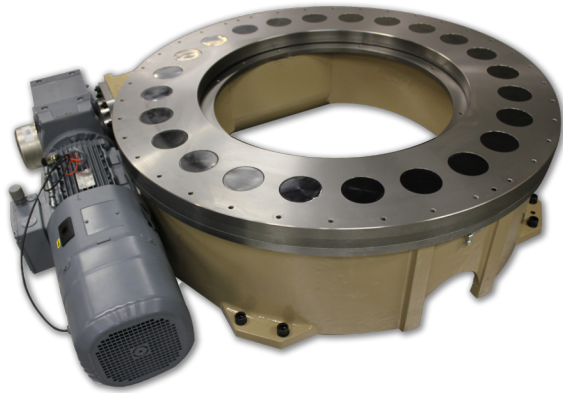


Programmable automation can respond to some of the central problems of manufacturing, which include enhancing information flow, improving coordination, and increasing the range and volume of a specific product.

Motion's TMF Series addresses these problems, by increasing manufacturers productivity and control over the manufacturing process.



The difference between conventional factory machines and programmable automation is the latter's use of information technology to provide machine control and communication. The use of communications systems allows these machines to perform a greater variety of tasks than fixed automation can perform, and to automate some tasks which previously needed direct human control.

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MOTION INDEX DRIVES



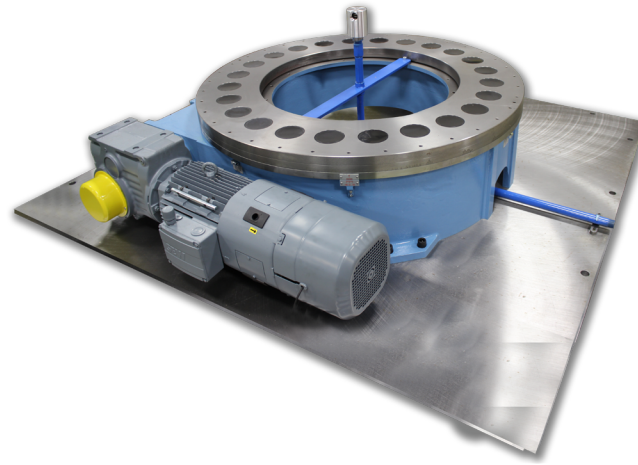
TMF Series Rotary Index Tables

The TMF Series is an innovative line of programmable rotary tables. These tables are built to maximize the potential of Motion's Flex technology with a stream-lined housing and dial plate to match.

The TMF Series utilizes the full potential of the constant lead cam and was engineered to meet our customer's vision of the ideal programmable turntable and to exceed expectations.

- Fast
- Strong
- Reliable
- High Quality
- On-site Serviceability

Motion TMF Series is utilized in MID's DR-TR Series dual trunnion. The TMF Series rotary table is used for the 180° exchange which creates accuracies of 9 arc seconds and repeatability of 2-3 arc second.



- High efficiency mechanical components require less input power
- Flame hardened cams and cam followers
- Internal components immersed in oil bath
- Top access to cam followers
- Significantly increased strength as a result of integration of more cam followers
- Inspection of internal components can be done with tooling mounted on top.
- Identifiable by all robot brands and controls
- Zero backlash for high accuracies

Advantages for Design Engineers

- Large center thru-hole for running utilities and mounting equipment
- Low profile to eliminate the need for A-frame type tooling or operator riser platforms.
- Large rotating diameter for increased mounting surface.
- Dowel holes in housing and in output flange
- Simultaneously rotating input shaft extension
- Optional synchronization of other mechanical module
- Lengthened and machined to customer requirements

Options Available

- Machine bases
- Reinforced output flange bearing
- User-controlled stations and timing
- Clean room ready with MEDEX Index Drives
- Custom dial plates or frames

