

The essential 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 computers and 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.



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.

By using Motion's DR-TR Series to address these problems, manufacturers can increase their productivity and control over the manufacturing process.

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



MOTION INDEX DRIVES



DR / TR Series Dual Trunnion Positioners

The DR-TR Series is an innovative line of programmable robotic weld positioning systems.

- Adaptable for all robot brands and controls.
- Zero backlash for high accuracies on 180° exchange indexer.
- < 1 arc minute of backlash on trunnion headstock indexer.

The New Standard for Flexible Indexing

The DR-TR Series features a cast housing that is compact and has all the characteristics a manufacturer looks for:

- Large center thru-hole through tailstock for running utilities and mounting equipment.
- 12 standard models to choose from.
- Custom configuration available.
- Easy access to pipe and wire all components.

The DR-TR Series was designed to be a completely flexible solution with an extremely low backlash trunnion to achieve accuracy that is unmatched in the industry. This allows for a minimum of 4 oversized cam followers to be engaged with the barrel cam at all times.

Loading capabilities are multiplied significantly in this line of positioning systems. This unique design allows for unrivaled inertial load capability and accuracy.

Loading Capabilities

	DR TR 250	DR TR 300
Payload per side (kg)	1,100	1,900
Trunnion Max Swing Diameter	1,400	1,400
Exchange Index Time 180	4.5 (secs.)	5 (secs.)
Trunnion Index Time 180	2.0 (secs.)	2.0 (secs.)
Distance between HS/TS (up to)	3,000mm	3,000mm

The DR-TR Series was engineered to meet our customer's vision of the ideal dual positioning system and to exceed expectations

- Fast
- Strong
- Reliable
- High quality
- On-site serviceability
- Low profile

Options Available



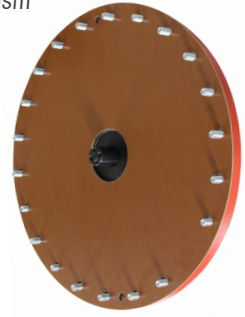
Grounding Mechanism



Thru-hole



Zeroing Pin



Micarta Isolation Cap

