

An alternative to the extremely high precision and zero backlash TMF and RT series trunnion indexing systems, the TR Series offers a lower cost alternative to applications that require such high standards.

Offered in complete head and tail stock standard sets, you have the option to purchase a complete trunnion solution that includes heavy duty constructed base frame, HS/TS riser bases and fixture backbones

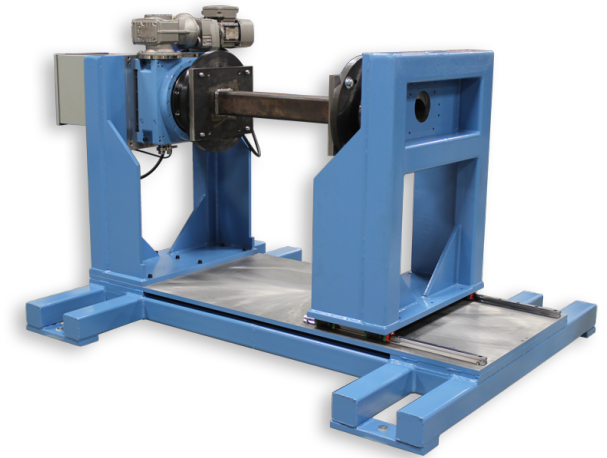


The TR Series is ideal for rollover applications in the aerospace, automotive, defense, construction and mining equipment, alternative energy and railroad transportation manufacturing environments. The TR Series was manufactured to be suited for laser, spot mig and tig welding applications.

p. 248.743.9999 • f. 248.743.0749  
1204 E. Maple Troy, MI 48083 • [www.mid.us.com](http://www.mid.us.com)



# MOTION INDEX DRIVES



## Single Axis Weld Positioners

Motion Index Drives' Single Axis Weld Positioners utilized the TR series headstock / tailstock trunnion sets on a high precision (less than 1 arc minute) planetary gear system. It is mounted in a vertical position complete with mounting plates and is ideal for moving large masses with smaller units, minimizing your equipment's footprint on the floor.

All positioners can be ordered with standard or custom frames fully equipped with head and tailstock supports and one-piece base weldments.

### Options Available

- Special holes patterns in mounting plates on headstock and tailstock.
- Clockwise, counter-clockwise and oscillating index modes of operation.
- Can be ordered as complete assembly with head stock, tailstock and base frame.
- Variety of encoder or positioning devices.
- Various gear ratios



- Loads up to 6700 kg
- Max Swing 3.700 meters

### Key Benefits

- Infinite positioning and index angle is possible
- Minimal maintenance
- Can utilize any motor required (AC motor with encoder, servo, etc.)
- Range in all sizes of index drives
- Capable of both high speed applications and high load
- Extremely compact relative to inertial load capability

- Long Service Lives
- Large thru hole on tailstock for running utilities to fixtures
- Requires less power than leading competitors
- Oversized bearings on tailstock for support
- Directly mount to gear head system mounting plate which eliminates the need for additional pillow blocks

