

# Series 2500 TMM®

## Ultra-Precise Measuring Platform



■ Combined with the ParleVision® CNC control system, the Series 2500 is the most advanced and accurate tool measuring machine in the world, providing unparalleled value and incredibly fast return on investment.

The Series 2500 Parsetters® provide an exceptional mechanical structure with the most accurate, repeatable machine available anywhere. They are constructed for the most demanding automated or manual applications where micron repeatability is required.

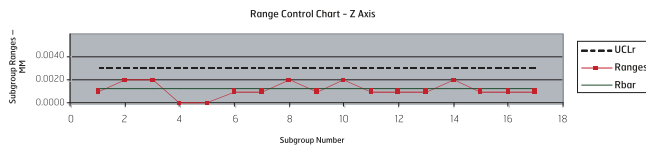
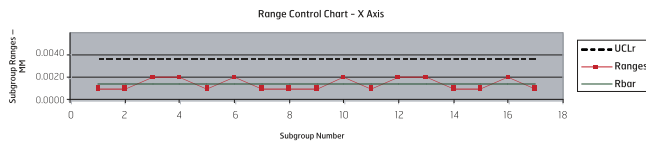
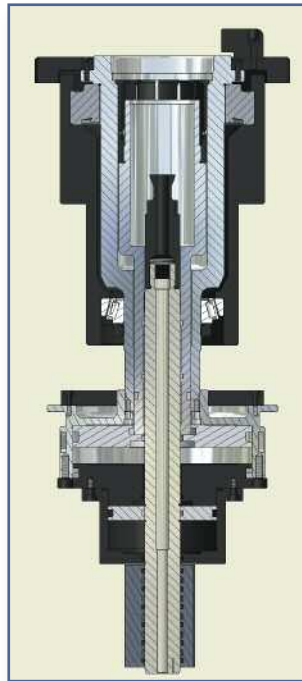
Series 2500 Parsetters provide a highly flexible, precise cornerstone to your tool management

capability. With a maximum measuring capability of 950mm x 1000mm, Series 2500 presetters combine symmetrical design methodology with stable and durable cast iron materials ensuring a thermally stable platform for the ultimate in precision measuring and inspection. Parlec presetters are renowned for their longevity and durability with thousands of customers attesting to their solid performance year after year.

# Series 2500 TMM®



- The Series 2500 may be configured with Parlec's High Precision, quick change spindle system with retention knob clamping, full 3-axis CNC automation, and many other device interfaces, for full-featured measuring and inspection and sub-micron performance.



## True Micron Performance

- Extensive testing by Parlec and our customers proves the ability of the 2500 platform to provide true micron repeatability.

## FEATURES

### Measuring Range

- **Max. Tool Diameter:** 300MM, 400MM, 500MM, 600MM, 700MM, 800MM, 950MM
- **Max. Tool Length:** 450MM, 550MM, 650MM, 750MM, 850MM, 1000MM
- Extra 50MM travel to the right of the spindle for turning applications.

### Positioning

- "Hands-Off" column movement utilizing servo motors controlled by eight-position joystick. Dual speed power operation and unlimited manual fine adjustment.

### Linear Encoders

- Heidenhain precision linear encoders on both axis. Resolution 0.001 mm.

### Base

- Ductile cast iron mounted in heavy steel fabricated base.
- Leveling elements and vibration dampening machine mounts assure stability.

### Horizontal and Vertical Slides

- Precision ground ductile iron base and column with hardened and ground ways.
- Precision pre-loaded bearings assure accuracy.
- Bearings and ways protected from the environment by accordion bellows.

### Spindle

- ISO 50 taper w/ vacuum clamping for CAT, BT, NMBT and Big Plus tooling. Uses sleeved adapters to fit most other tooling styles.
- HP Quick Change spindle option uses dedicated tool cartridges. May be configured with mechanical retention knob universal clamping system.

### Dimensions and Weight

- **Overall Width:** 1838MM (72.4")
- **Depth:** 701MM (27.6")
- **Height:** 450-650MM Column = 1948MM (76.7") 750-1000MM Column = 2342MM (93.2")
- Average shipping weight is 1000 kg (2200 lbs)

### Utilities

- **Electric:** 110V 60HZ to 220V 50HZ
- **Air:** Standard shop air 60 - 90 PSI