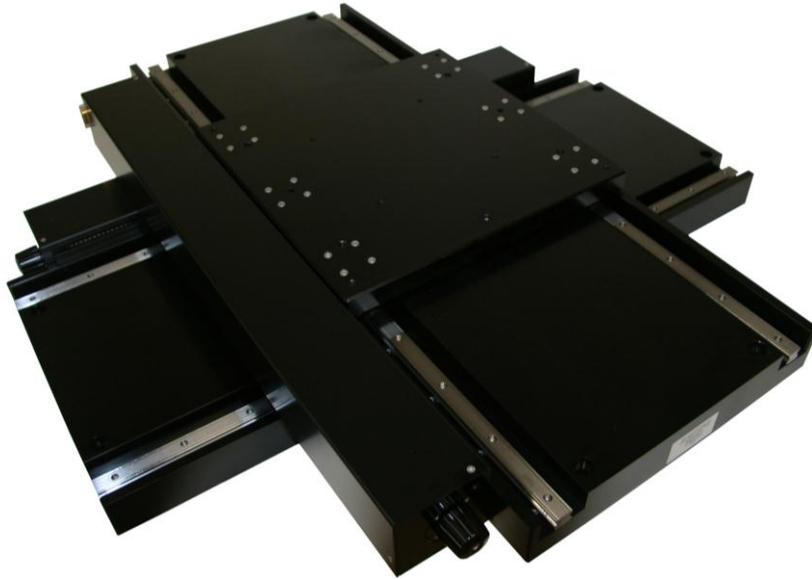


TR450 Stage



TR450 XY Stack

The TR450 body is wider than most stages in this travel length in order to minimize the cantilever and its affects when configured as an XY stage. It also provides a larger, more stable platform for sample fixturing. Vertical and horizontal straightness errors are less than $\pm 5.0\mu\text{m}$ over the full 450mm travel, even when measured as an XY stack. Applications include small flat panel inspection and circuit board processing.

| Specifications | |
|-----------------------------|--|
| Travel | 450mm |
| Linear Guides | 15mm Recirculating Ball Bearing |
| Drive Type | 5mm Ball Screw |
| Motor Mount | NEMA23 |
| Linear Accuracy | $\pm 15\mu\text{m}$ w/ linear compensation |
| Bidirectional Repeatability | $\pm 2.0\mu\text{m}$ |
| Pitch | ± 12 arc-sec |
| Yaw | ± 6 arc-sec |
| Straightness of Travel | $\pm 5.0\mu\text{m}$ / Travel |
| Flatness of Travel | $\pm 5.0\mu\text{m}$ / Travel |
| Travel Limits | Optical, 5-24VDC |

TR450 Stage

