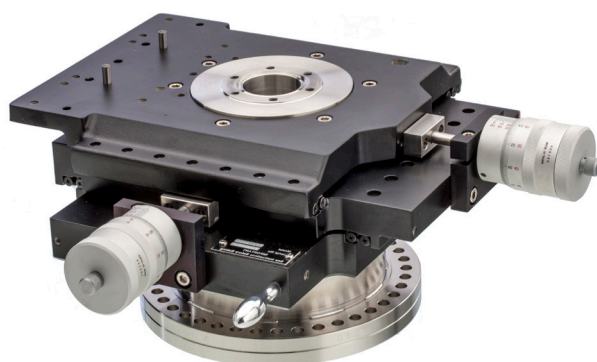




Transax XY Module

The Transax XY module is designed as a standalone single edge welded bellows module which is compatible with Transax linear shift mechanisms (Z axis) and Rotating platforms such as the RP100, allowing a complete sample manipulator to be created by adding these sections together.



Product Overview

- Full ± 25.0 mm movement in both the X and Y
- 54mm clear bore at X and Y full travel
- Double bolt holes on mounting flange
- Large barrel 5 micron graduations micrometers as standard
- Retrofittable motorisation
- Stepper motor option complete with limit switches
- Encoded motors also available.
- Operating pressure 1 bar to 10^{-11} mbar
- Leak rate $< 1 \times 10^{-10}$ mbar ls^{-1}
- Bakeable to 230°C

Transax XY Module - Technical Data

Parameter		Specification
Resolution - Manual	All Stages	5 microns
Resolution - Motorised	T208 -12.5 Stage	0.5 microns
Resolution - Motorised	T208 Stages	0.5 microns
Repeatability - Manual	All Stages	5 microns
Repeatability- Motorised	T208-12.5 Stage	1 microns
Repeatability- Motorised	T208 Stages	1 microns

Manual Operation

- 0.5 micron resolution
- 0.5 micron repeatability using
- 4 mm.s^{-1} maximum speed

Stepper motors

- 10 micron resolution
- 10 micron repeatability

Transax XY Stage Modules and Accessories

XY Stage Module - 152 mm OD Base Flange	Order Code
± 0 mm Adaptor	ZT000A6S
± 12.5 mm Stage	ZT208A6-12.5
± 25.0 mm Stage	ZT208A6S
XY Stage Motorisation	Order Code
X and Y Axis Stepper Motor *	MTXYMOTW *
X and Y Axis Stepper Motor and Encoder *	MTXYMOTE *
Horizontal Compensation Stand	Order Code
Horizontal Compensation Stand	MHSA
Compensating Stand for Z-only Option	ZTRS

* Single Axis Kits for X or Y Motorisation