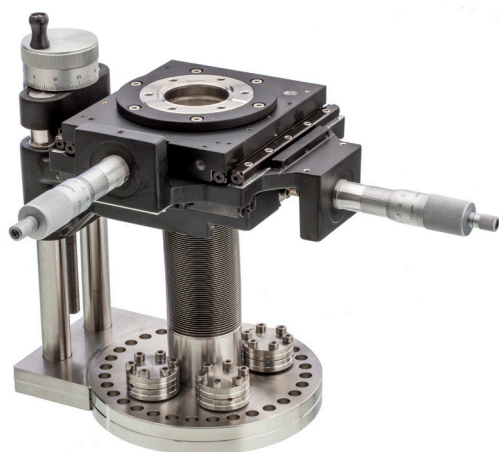




Miniax XYZ Manipulator

The Miniax XYZ translator offers a source of simple, cost effective, manipulation. The single bellows construction makes it easy to use in any orientation. The micrometers are vacuum conditioned and do not need to be removed for bakeout.



Construction

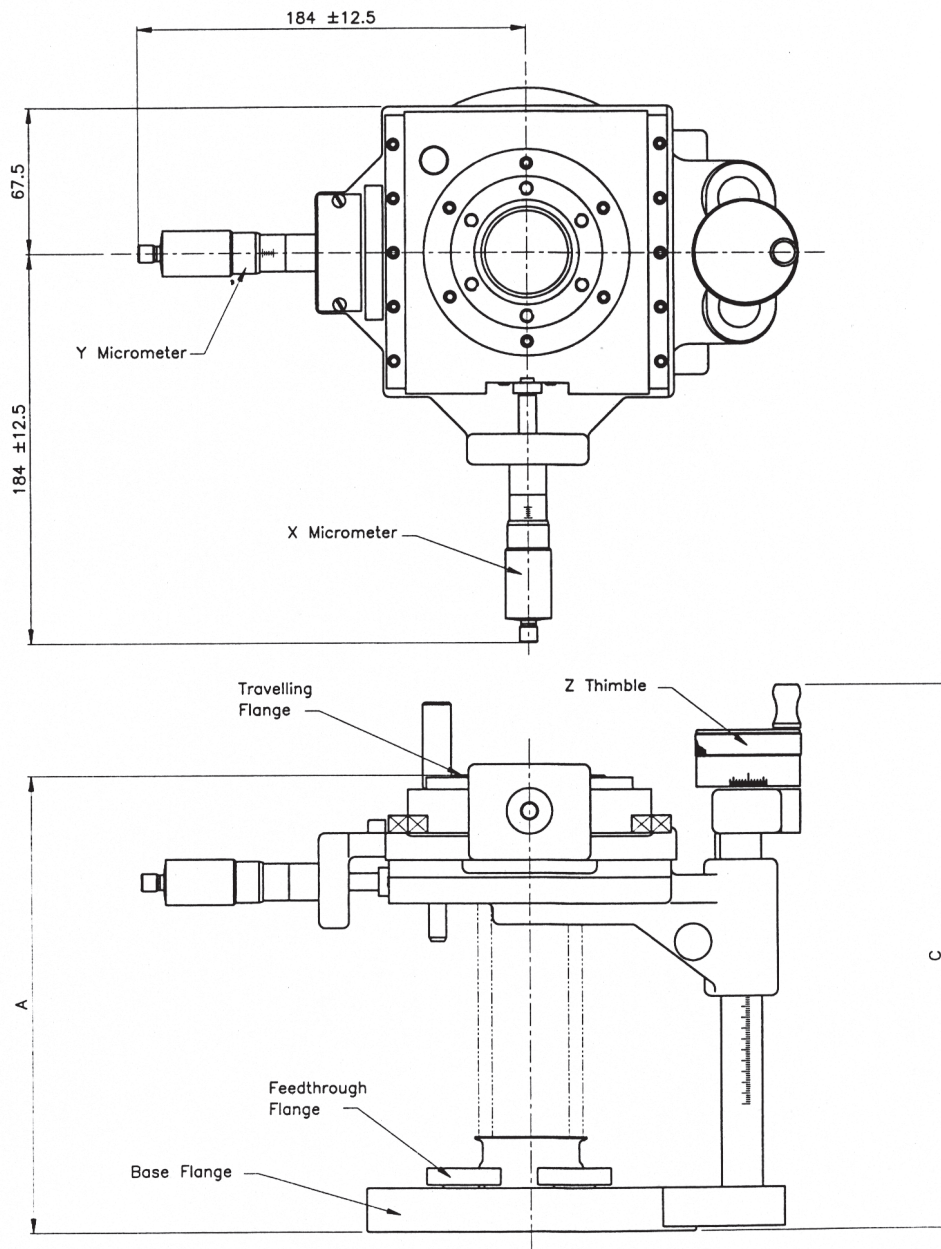
The Miniax uses a single edge-welded bellows for X, Y and Z movements. Cross roller bearings are used for the XY movements with plain bushings guiding the Z slide.

Product Overview

- XY travel of ± 12.5 mm guided with cross roller bearings.
- Z travel options of 50mm or 100mm
- Bakeable to 200°C.
- Standard base flange is 152mm OD (NW100CF) with straddled clearance holes for mounting the translator.
- Four mini ports, tapped M4, are provided for service feedthroughs (152mm OD base flange only)
- Travelling flange 70mm OD (NW35CF) with M6 tapped holes, straddled about the Y axis
- An optional 70mm OD (NW35CF) base flange
- Double bolt holes on mounting flange.
- Operating pressure 1 bar to 10^{-11} mbar
- Leak rate 1×10^{-10} mbar ls⁻¹
- XY Resolution 0.001 mm repeatability 0.005 mm
- Z Resolution 0.005 mm repeatability 0.010 mm



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Miniax Translators

DN Type	Base Flange OD mm	Z Travel mm	Feedthrough Flange	A mm	C mm	Order Code
DN40	70	50	none	160 to 210	250	ZXYZ0570
DN40	70	100	none	160 to 260	301	ZXYZ1070
DN100	152	50	4 x 34mm OD	160 to 210	250	ZXYZ0515
DN100	152	100	4 x 34mm OD	160 to 260	301	ZXYZ1015