



## Precision Rotary/Linear Manipulator LMRMD70



LMRMD70

THE Panmure rotary/linear specimen manipulator utilizes a unique eccentric drive mechanism which is beneficial in two ways. Firstly, it enables the component parts to be manufactured to the most exacting tolerances and secondly, we can now directly couple the linear motion shaft to the micrometer thimble eliminating the use of spring returns.

These benefits used in conjunction with ball bearings throughout give this drive a smooth feel and enable it to run at high speed with large loads for a long expected life.

### Specification

- full UHV compatible incorporation—stainless steel bellows, bearings and internal components
- external components—anodised aluminium alloy
- 360° continuous rotation
- 25 mm linear travel
- up to 350 rpm maximum speed
- angular calibration 360° in 5° steps
- shaft concentricity to 0.050 mm
- mounted on a 70 mm conflat flange
- fully bakeable to 250 °C without dismantling
- pressure range to 10<sup>-12</sup> mbar

### Additions

- bearing housings and shaft length to suit customers' requirements
- stepping motor drive systems

### Torque

Inner rotation  
3250 N cm maximum—hand operation  
30 N cm maximum at 500 rpm

### Outline dimensions

length	max.	465 mm
diameter	max.	70 mm
	min.	3 mm