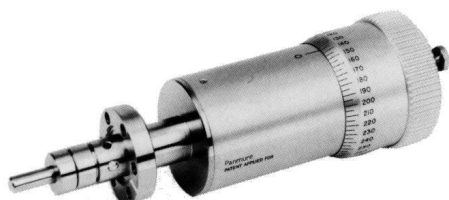
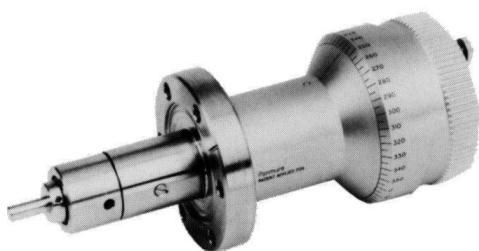




Precision Rotary Specimen Manipulators RMD34, RMD70



RMD34



RMD70

Specification

- fully UHV compatible incorporating stainless steel bellows, bearings and internal components
- external components—anodised aluminium alloy
- 360° continuous rotation
- up to 500 rpm maximum speed
- angular calibration 360° in 5° steps
- shaft concentricity to 0.05 mm
- mounted on a conflat flange
- fully bakeable to 250 °C without dismantling
- pressure range to 10⁻¹² mbar
- tooth belt pulley handwheel

Additions

- extended bearing housing and shaft
- stepping motor drive system

Torque

RMD34

- 2000 N cm maximum—hand operation
- 20 N cm maximum at 500 rpm

RMD70

- 3250 N cm maximum—hand operation
- 30 N cm maximum at 500 rpm

Outline dimensions

RMD34

- 159 mm length maximum
- 50 mm diameter maximum

RMD70

- 187 mm length maximum
- 70 mm diameter maximum

THE Panmure range of rotary specimen manipulators utilizes a unique eccentric drive mechanism which enables the component parts to be manufactured to the most exacting tolerances required. This, in conjunction with the use of more rolling bearings, gives this drive the smooth feel for which it is renowned and enables it to run at higher speeds with greater loads for longer.