

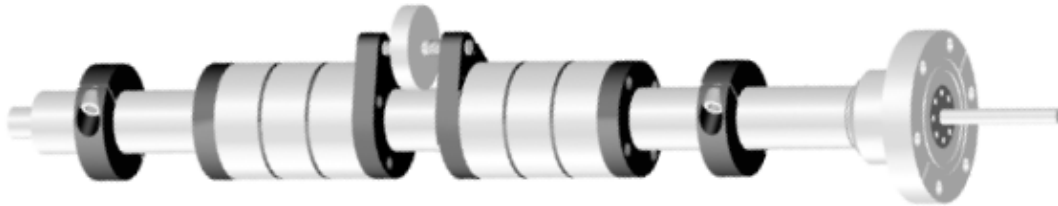
# FEEDTHROUGHS

MAGNETICALLY COUPLED LINEAR/ROTARY TRANSFER ARM

LINEAR MOTION MICROMETER CONTROL

PUSH - PULL LINEAR MOTION & ROTARY

**MAGNETICALLY COUPLED CO-AXIAL (DUAL) DRIVE TRANSFER ARM**



This device provides the means to manipulate a sample holder once it has been positioned in the vacuum chamber. The entire mechanism is moved linearly and/or rotated to position the sample holder. The inner rod or tube can then be moved axially to open or close a collet or some other device to release or capture the sample.

Stops on both sides of the external drive assembly allows accurate repeat location of sample holder.

Operates in any position.

- De-coupling force: 21 lbs.
  - Bakeable to 100°C
  - Linear travel up to 36"
  - Torque: 36 inch-ounces
- Materials of Construction:
  - Body: 304 Stainless Steel
  - Shaft: 304 Stainless Steel
  - Driver: Rare Earth Magnets
- Helium leak tested at:  $2 \times 10^{-10}$  st. cc./helium
- Driver can be locked in place axially to allow for rotary motion only
- Driver mechanism allows 360° rotation as the shaft is moved axially
- All materials exposed to vacuum are compatible with ultra high vacuum service

PART NUMBER	DESCRIPTION	PRICE \$
170210-12	Co-axial magnetically coupled linear/rotary transfer arm - 12" travel	2,500
170210-24	Co-axial magnetically coupled linear/rotary transfer arm - 24" travel	2,600
170210-36	Co-axial magnetically coupled linear/rotary transfer arm - 36" travel	2,700

Other flange styles and sizes available. Any stroke available from 1"-36".

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