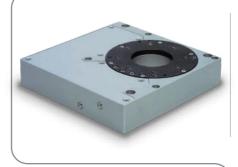
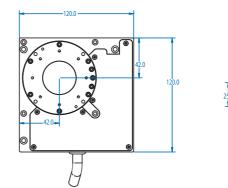
PLR77 SERIES ROTARY TABLES

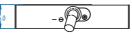




Feature Summary:

- Very stiff rotational correction stage for heavy payloads
- +/- 5 degrees of rotation
- Class 3 preloaded precision ballscrew with a brushless motor drivetrain for high precision.
- Options for encoder on drive motor and/or encoder on output
- Resolution to 0.5 arc-seconds
- Precision cross-roller bearings deliver high capacity, excellent rigidity and long life.
- Aluminum or cast iron base available.
- N.O. or N.C. Limit & Home switches.
- Class 10 cleanroom option





Overview

Primatics PLR77 Series rotary positioning tables offer a variety of options for systems in need of small, stiff angular corrections. An innovative drive system creates arc-second accuracy and fast settling times, making the PLR77 ideal for point to point indexing, assembly and optical applications where worm drives don't provide the necessary accuracy, throughput or life.

More Durable Drivetrain

Unlike worm drivetrains that can wear prematurely and develop backlash, our unique tangential drive system uses a precision grade ballscrew that circumvents these problems. The low friction of a ballscrew drivetrain delivers significantly less backlash than a worm drive and ensures quality positioning for millions of cycles, even in high speed, high acceleration applications.

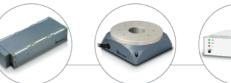
Performance Verification

All PLR77 performance specifications are verified and a full set of accuracy & repeatability plots are included with each stage. Additionally, each unit undergoes extensive burn-in and testing. These steps ensure that the stage will deliver optimal performance over a long period of time.

For more information and a complete datasheet, go to www.primatics.com

Performance Specifications	PLR77
Travel (degrees)	+/- 5
Table Diameter (mm)	77
Mechanical Drive System	Class 3, 1mm lead ballscrew
Max Speed (rps)	2.8
Axial Runout (microns)	+/- 0.35
Radial Runout (microns)	+/- 0.35
Accuracy (arc-sec)	+/- 2
Bi-directional Repeatability (arc-sec)	+/- 0.5
Minimum Resolution (arc-sec)	0.5
Acceleration (deg-sec ²) ²	1000
Axial Load Capacity (kg)	10
Radial Load Capacity (kg)	5
Weight (kg)	1.5







Rotary Positioning

OEM Solutions

Motion Controls C