



The world leader in advanced metrology solutions

## SWIVELCHECK SOLUTION

The Swivelcheck™ utilizes a servo driven motor in conjunction with an electronic level and a precision rotary encoder. Once set up, the system is capable of running in automated or manual modes and may be integrated with our 5/6D™ or XD Lasers™ for horizontal table measurement. The current Swivelcheck™ product is in its second generation having become the rotary axis tool of choice for OEM Machine Tool Builders, Machine Tool Rebuilders, Service Providers, Machine Shops, and Production houses. The Swivelcheck™ has been designed with ease of use, efficiency, and accuracy in mind.

### API Swivelcheck™ features:

- ✓ Unnecessary to mount on vertical axis
- ✓ Automated Measurement of Rotary Axes
- ✓ Ethernet Communication
- ✓ Fully Portable Solution
- ✓ 1 arc-second accuracy

### API's Swivelcheck™ Software designed around:

- ✓ Ease of use - API's Swivelcheck™ software has been designed to specifically be intuitive and adaptable to minimize the effects of these business realities. As with our other products, API understands our customers are constantly dealing with keeping their workforce up to date with equipment and software changes.
- ✓ Efficiency - Like the hardware, the Swivelcheck™ software has been designed to get the product up, running, and taking data in record time with minimal user intervention.
- ✓ Functionality - As with other products in our portfolio, API customers have direct input into the software and help us to make it the best available. API customers are often polled for their input in making the software easier to use, more efficient, and further reaching.

### API Swivelcheck™ software features:

- ✓ Intuitive User Interface
- ✓ Large Setup Screen for Shop Floor Use
- ✓ Summary Error Analysis for Compensatory Purposes
- ✓ Graphical Representation of Error
- ✓ Fully Integrated with XD™ Software for Horizontal Measurement
- ✓ Zero Anywhere functionality for efficient measurement

The primary application for the API Swivelcheck™ is in the measurement of rotary axes and tables in the machine tool industry.

### With the Swivelcheck™ you can:

- ✓ Calibrate Swivel Axis & Tilt Tables on Machining Centers
- ✓ Evaluate Vertical Rotary Axis and Table Performance
- ✓ Measure tables/axes when used with API 5/6D™ or XD™ Lasers

### API Swivelcheck™ Systems are used in:

- ✓ Automotive OEMs and Suppliers
- ✓ Aerospace OEMs and Suppliers
- ✓ General and Precision Machine Shops
- ✓ Metrology Calibration Laboratories
- ✓ Machine Tool OEMs
- ✓ Service Providers
- ✓ Machine Tool Rebuilders

### Specifications

Range:	600° (0 to ±300°)
Resolution:	0.03 arc-second
Accuracy:	1.0 arc-second
Dimensions (approx.):	15cm x 17cm x 22cm (5.8in. x 6.6in. x 8.2in.)
Shank:	1" or 25mm (metric)
Weight:	Approx. 10 lbs.

