

Swiss Rotary Table Technology For Metrology

Headquarters

PETER LEHMANN AG
 Bäraustrasse 43
 CH-3552 Bärau
 Phone +41 (0)34 409 66 66
 Fax +41 (0)34 409 66 00
 sales@plehmann.com
 www.lehmann-rotary-tables.com

Global network

Europe

- Austria
- Benelux
- Bosnia
- Bulgaria
- Croatia
- Czech Republic
- Denmark
- Estonia
- Finland
- France
- Germany
- Hungary
- Iceland
- Ireland
- Italy
- Kosovo

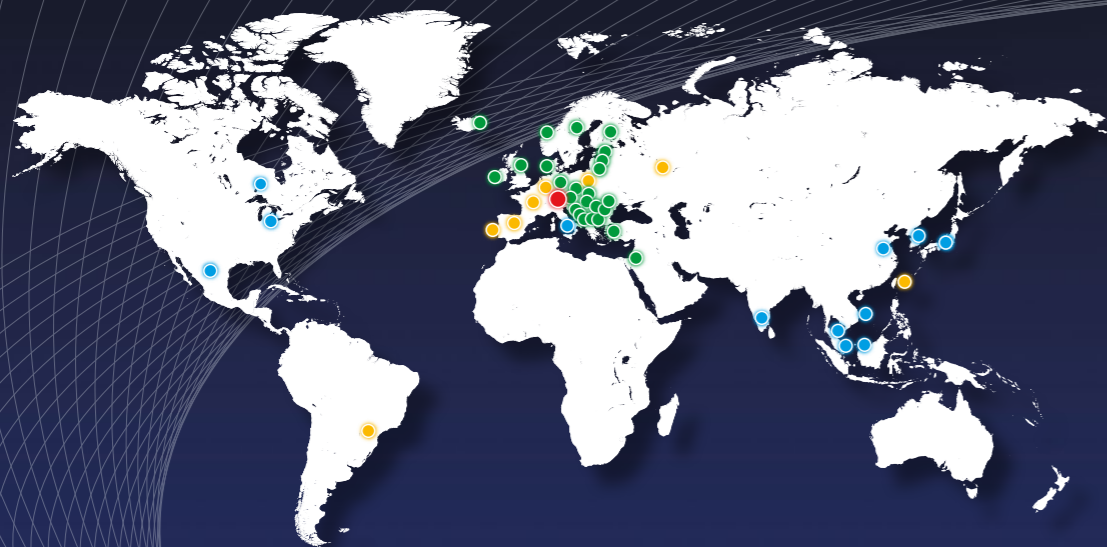
- Latvia
- Lithuania
- Macedonia
- Norway
- Poland
- Portugal
- Romania
- Russia
- Serbia
- Slovakia
- Slovenia
- Spain
- Sweden
- Turkey
- UK

America

- Brazil
- Canada
- Mexico
- USA

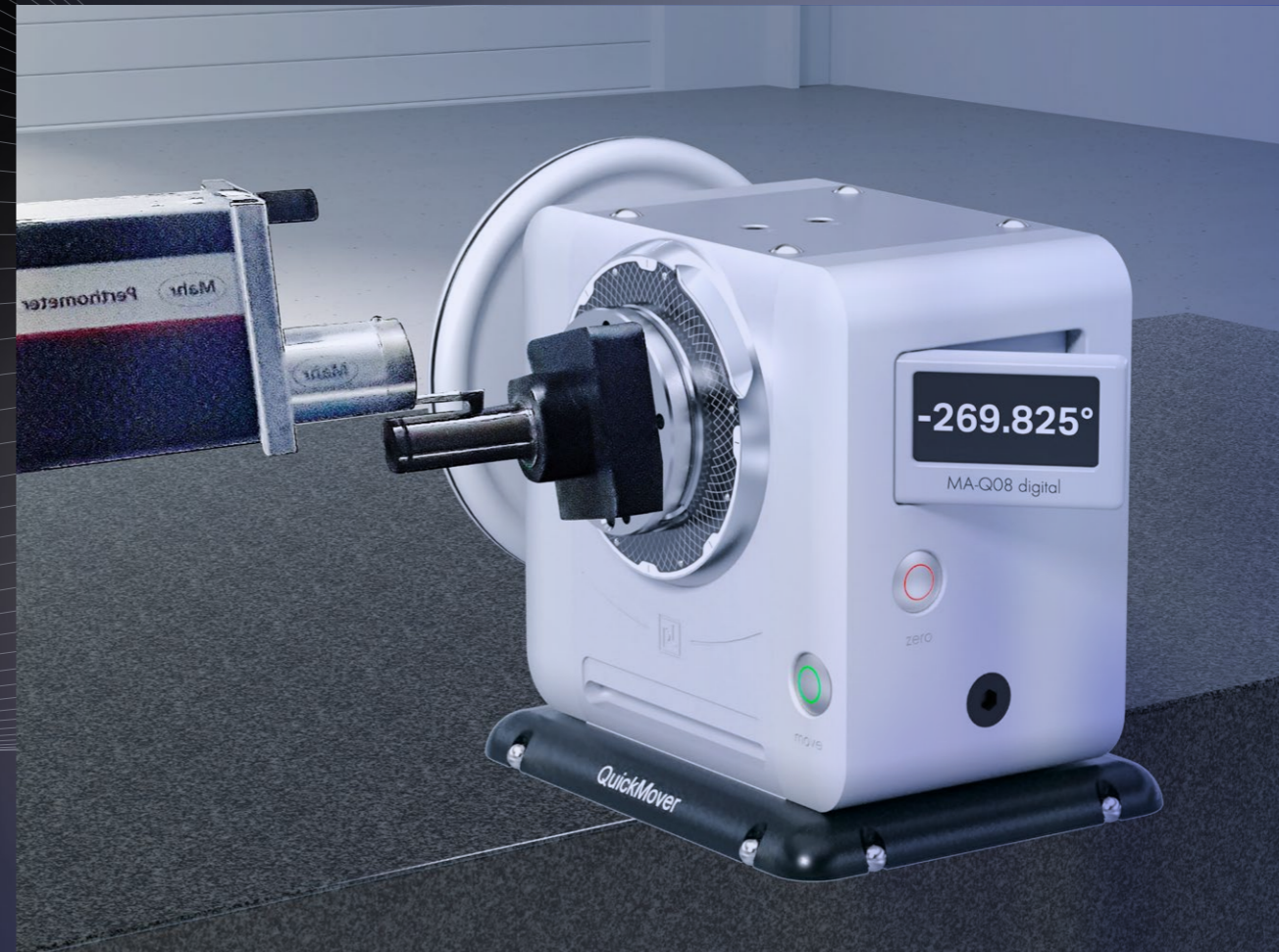
Asia

- China
- India
- Israel
- Japan
- Malaysia
- Singapore
- South Korea
- Taiwan
- Thailand
- Vietnam



● Headquarters ● direct sales ● pL SOLUTIONS® partner ● value added reseller & partner

More information (address, telephone number...) at www.lehmann-rotary-tables.com



Q
Line
Metrology
Solutions

2023

MA-Q08

07.2023 | EN

Place & Play Solution for easy & precise positioning

- Measured as produced, same fixture as machine tool possible
- No reclamping of the work piece
- Powerful add-on for standard metrology devices
- Fast feedback for process optimization to produce good parts

pL LEHMANN rotary table MA-Q08

- Proven components from the production
- Very precise heavy-duty CNC rotary tables
- Multi-function holder for a variety of workpiece clamping systems
- Smart accessories as the QuickMover

Application

Shopfloor and metrology lab, Quick & Easy, in combination with height, contour and surface measuring devices, for concentricity testing devices and coordinate measuring machines or machine tools.

Handwheel with different ratios for fast or slow speed

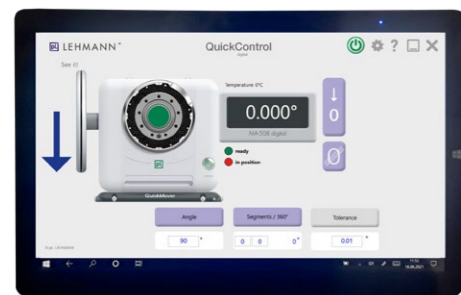
QuickMover for featherlight moving, thanks to electrically generated air cushion



opposite the handwheel: foldable digital display (precise angular position in 0.001°)

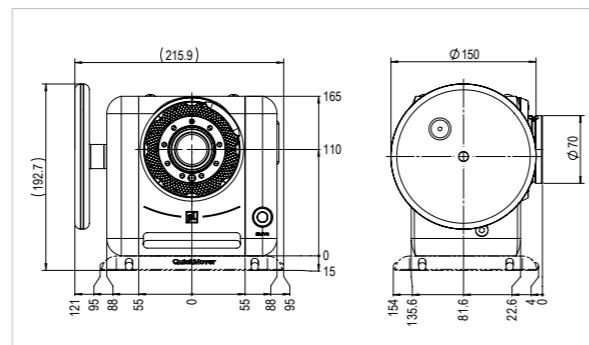
Metrology Package

- Rotary table, housing made of gray cast iron for stable positioning
- QuickMover – protects the granite slab and makes handling feather-light
- Elegant handwheel and zero setting button
- Reading accuracy 0.001° (integrated angular measuring device)
- 3 jaw chuck manually or many others available



Optional ControlTablet with QuickControl digital. Simplest intuitive user guidance:

- zeroing
- target angle
- segments
- tolerance band
- in position



Simplest zero-point clamping system (here for system 3R) for fast set-up

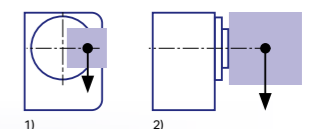


Measurement of concentricity by a dial gauge mounted on a grid plate. Optional DK grid plate as ideal platform for any other additional toolings.

				MA-Q08
Dimensions	Swivel ø		mm	160
	Center height		mm	125 (with QuickMover)
	Total weight	with motor	kg	9
	Center bore	throughout	mm	31
Bearing / Clamping	Max. spindle load ¹⁾	vertical	kg	40
		horizontal	kg	40
	Max. tilting moment ²⁾		Nm	8
Gear unit	Positioning accuracy		± arc sec	20 (opt: 12)
	Repeat accuracy Ps average		± arc sec	2 (opt: 1)
	Max speed		rpm	-
Precision	Radial run-out	on spindle ø	µm	6 (opt: 3...2)
	Axial run-out	at spindle end face	µm	6 (opt: 3...2)
	Parallelism	Dividing axis to base	µm/100mm	5 (opt: 2)

¹⁾ Self lock 9Nm (limited excentric load)

²⁾ If the tilting moment is greater than 8 Nm due to the spindle load, the rotary table must be screwed tight. Guideline: max. workpiece 100x100x100 made of steel on BFU.507-125ps light. Other workpieces or weights – on request



Powerful add-on for standard metrology devices
Ready to produce good parts