

Selection Guide for CNC Rotary Tables ...



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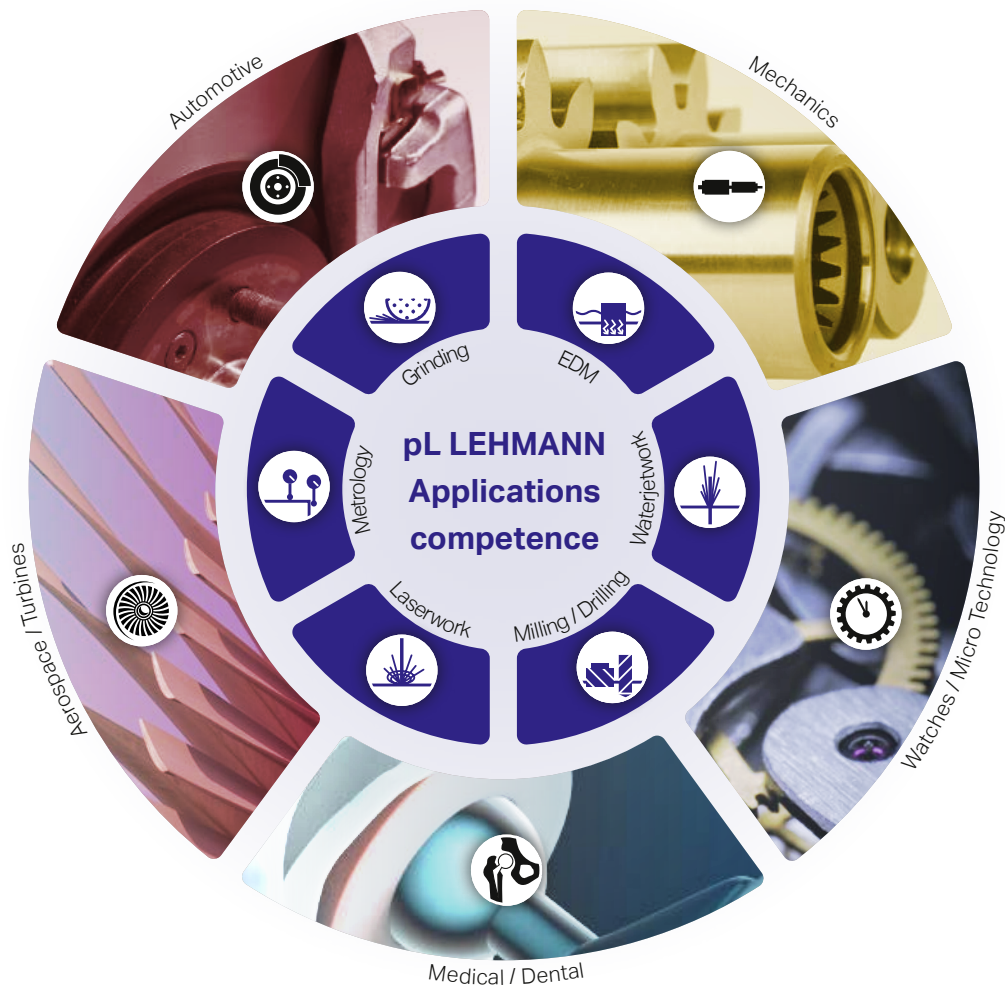
MTRent®

10/2018 | EN



... for MV-, MVY- and V-series

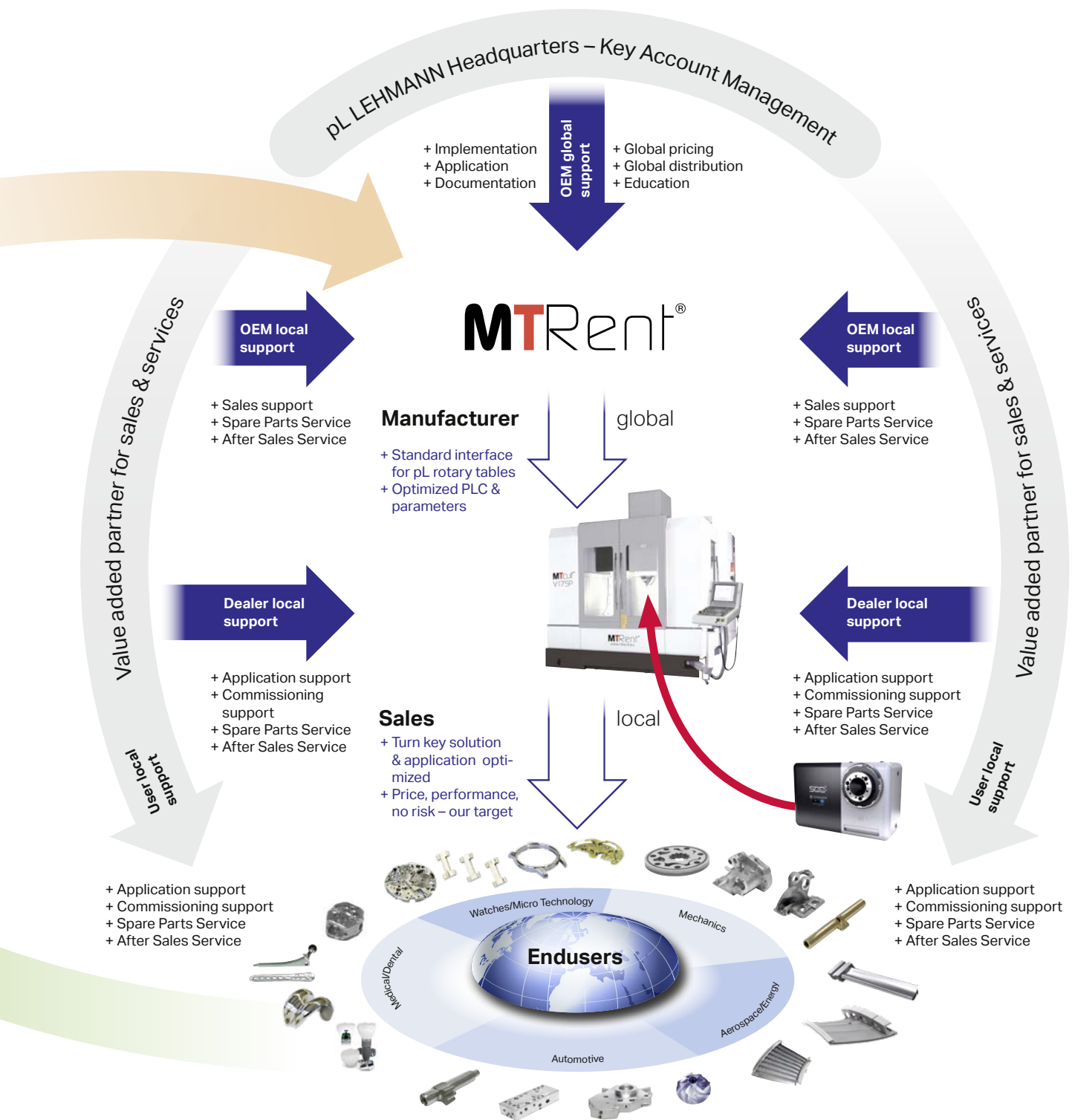
CNC rotary tables for economical manufacturing:
pL LEHMANN has suitable and rational solutions for
nearly every industry



pL rotary tables in use: on over **40** different machine brands
and over **160** different machine models.

pL competence: Integration in **all known** CNC control systems
(Fanuc, Siemens, Heidenhain, Haas, Winmax, Mitsubishi, Brother,
Mazatrol, Okuma ...), for new machines as well as for retrofits

Professional products from professional partners:
MTRent and pL LEHMANN provide
first-class service to common customers



NEW
up to +30 %

Up to **210 rpm**
up to **0.21 sec / 90°**

High speed

Extended travel in
Z- and X-direction

More space

High spindle load,
heavy-duty bearing

Heavy duty

E-Series



Rotary tables suitable for
simultaneous operation!

Save energy



Benefits of PGD by pL LEHMANN as compared to Direct Drive: small servo, low power draw, no cooling system, and a significantly reduced energy consumption when machining with unclamped rotary table.

Energy label at the left

An intuitive rating as consumption greatly depends on usage, and without any liability assumed, following the directives on energy labelling

**See main catalog
for more features**

NEW
up to +30 %

High torque

Feed torque up to
850 Nm (provisional)

Adaptability

Multifunctional
spindle HSK

Precision

On the workpiece, as
precise as **2 µm / 100 mm**

NEW
up to +150 %

Pneum. clamping
up to 7,000 Nm

High clamp

Large parts
up to $\varnothing$ 500

Big size

PGD backlash-free
long-life gear unit

No backlash

T-Series



**All base plates
made of steel**

NEW

with integrated hole pattern for
slot spacing of 100 and 125 mm,
integrated alignment system
lineFIX for lengthwise or cross-
wise clamping.

M-Series



Connectivity

Wireless monitoring,
for operation & service

No adjust

Load change without
parameter adjustment

Less cost

No cooling system,
no hydraulics



MV110



VY150



V110



V175P



V182

A word from MTRent:

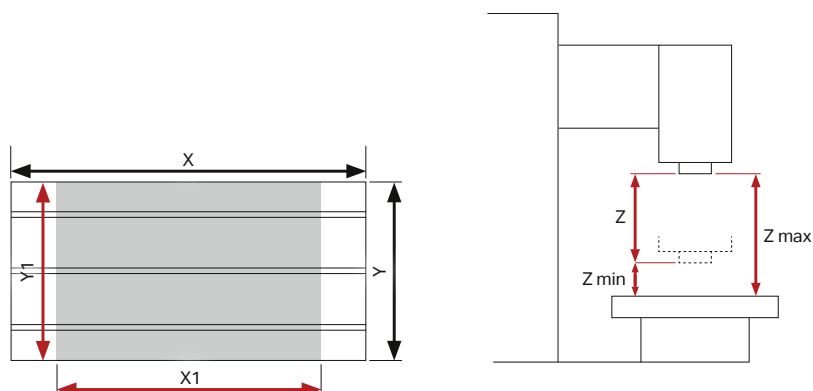
EN

«Einfach – effizient – effektiv Drei e's bestimmen unser Handeln

Wir verkaufen, vermieten und verleasen unsere Bearbeitungszentren und CNC-Drehmaschinen direkt, das heißt ohne Umwege und «Zwischenverdiener» an Sie.

Unsere komprimierte Wertschöpfung ermöglicht es uns, hochwertige Bearbeitungszentren und CNC-Drehmaschinen zu attraktiven Konditionen anzubieten.

Unsere Fokussierung auf ein beherrschbares Produkt-, Finanzierungs- und Dienstleistungsangebot macht uns kompetent und schnell. Dadurch können wir Ihnen auch hervorragende technische Serviceleistungen bereitstellen.»

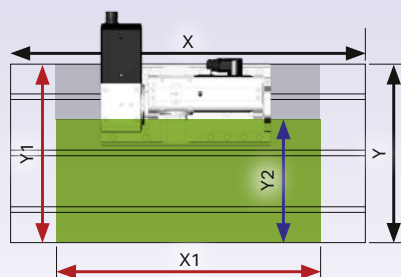
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** The recommended rotary tables do not exceed 50 % of the allowed table load.

	EA-507 X2	EA-510 X2	EA-520 X2	EA-530 X2
MYV130			1'141	1'112

 LEHMANN®

X-mounting



Rotary table installation using hole pattern in base plate



TIP1

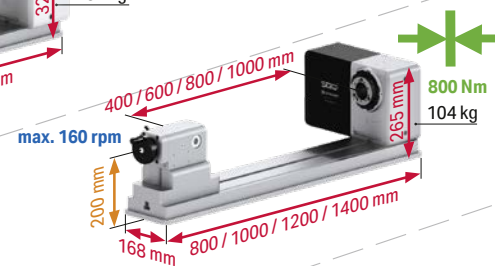
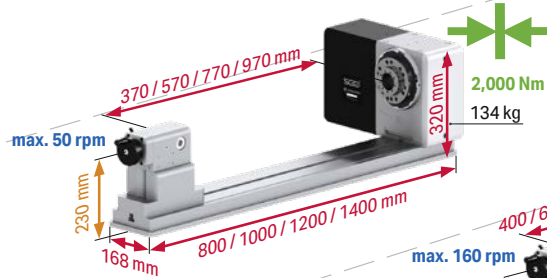
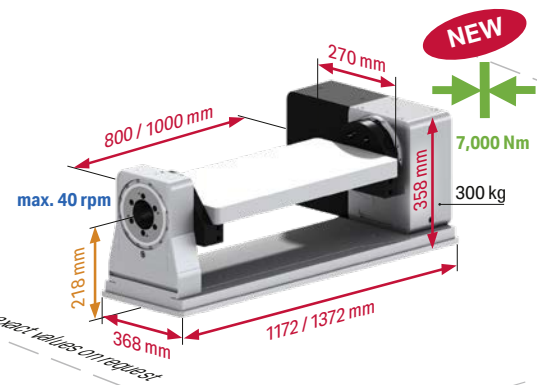
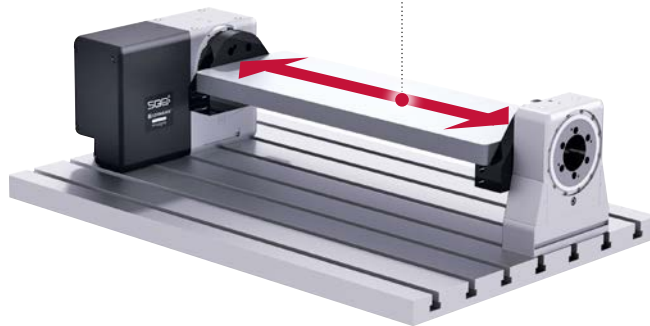


TAP1



TOP1.2

[illegible][illegible]



530

520

51x

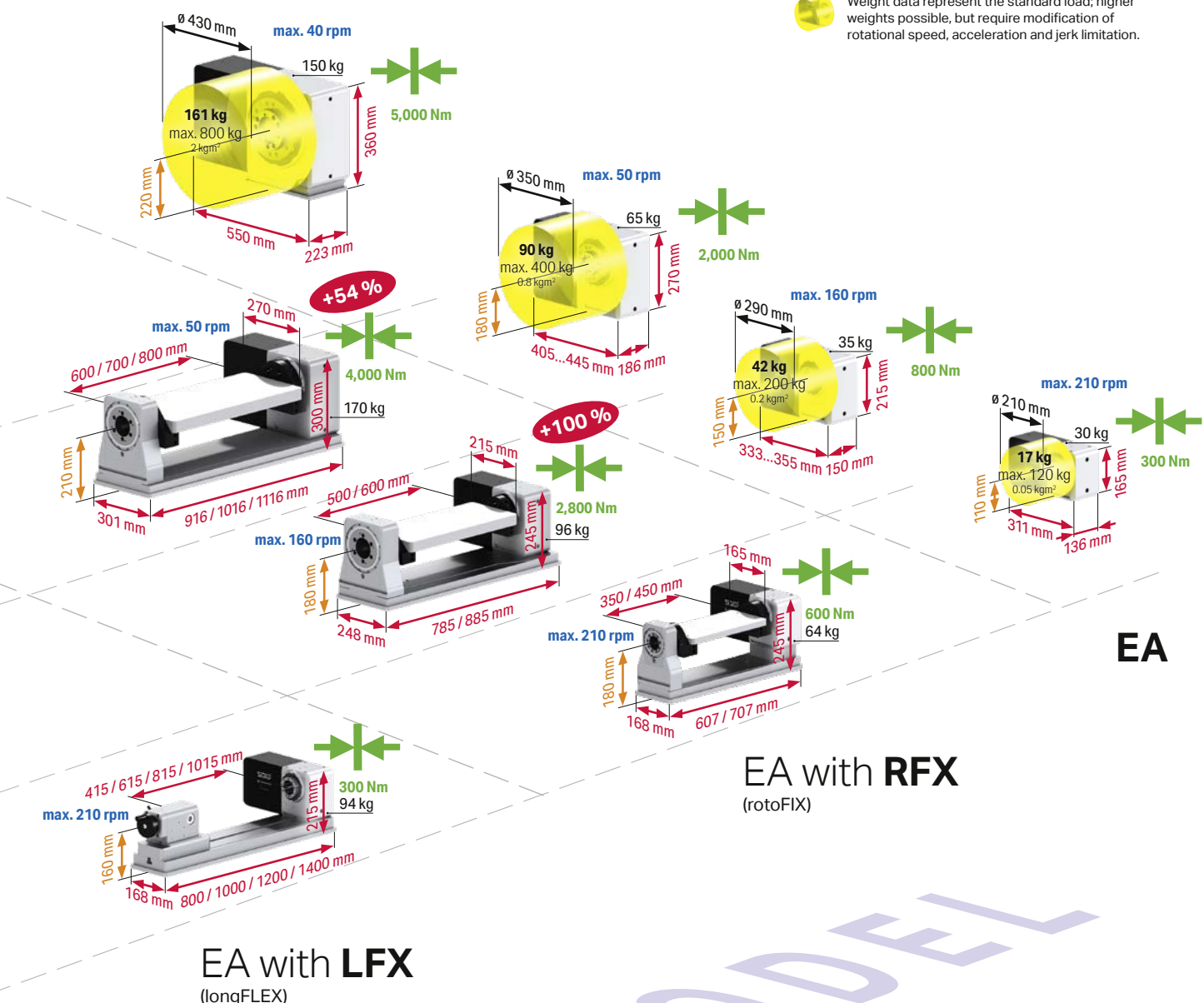
50x

SIZE

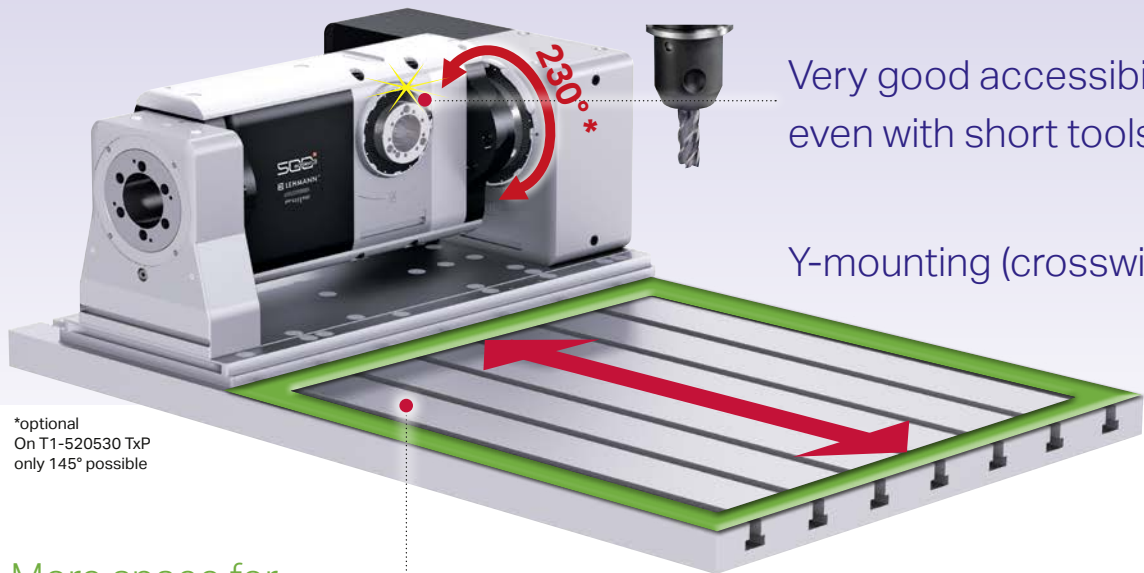
News in brief

1. High speed up to **210 rpm**
2. Feed torque up to **850 Nm** (tentative)
3. Steel base plates with hole pattern (suitable for slot spacing of 100 and 125 mm)
4. Cycle time **90°** as fast as **0.21 sec.**

 Weight data represent the standard load; higher weights possible, but require modification of rotational speed, acceleration and jerk limitation.



50x	507 (standard) or 508 (high speed)
51x	510 (standard) or 511 (high speed)
EA	single-axis, single-spindle CNC rotary table
rotoFIX	modular clamping yoke system
longFLEX	modular shaft clamping system

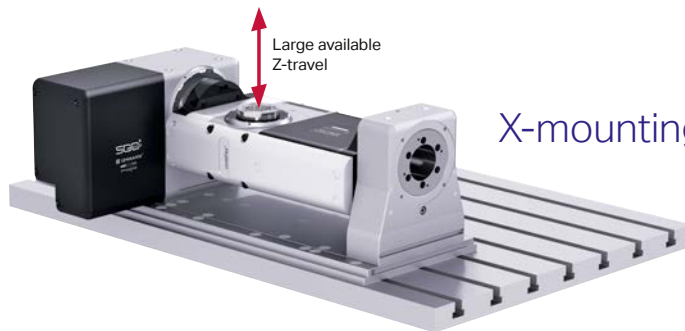


Very good accessibility,
even with short tools

Y-mounting (crosswise)

*optional
On T1-520530 TxP
only 145° possible

More space for
workpiece and fixtures



Large available
Z-travel

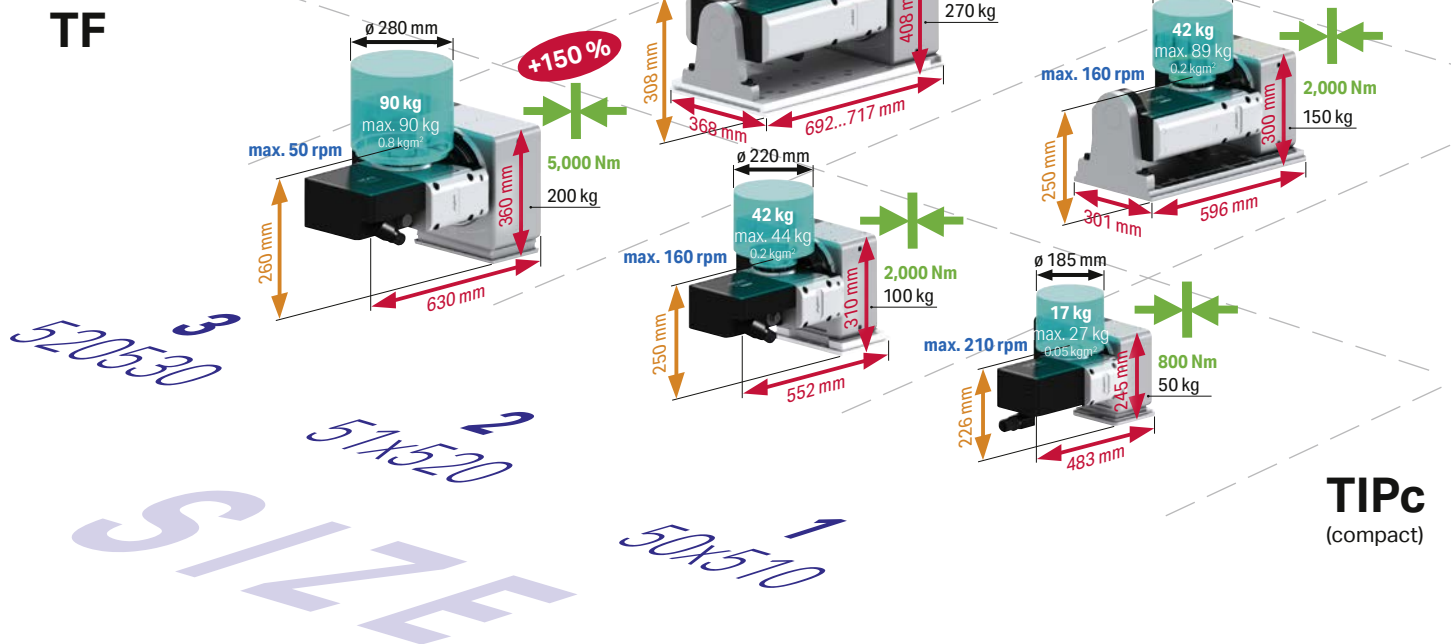
X-mounting (lengthwise)

T1

T1

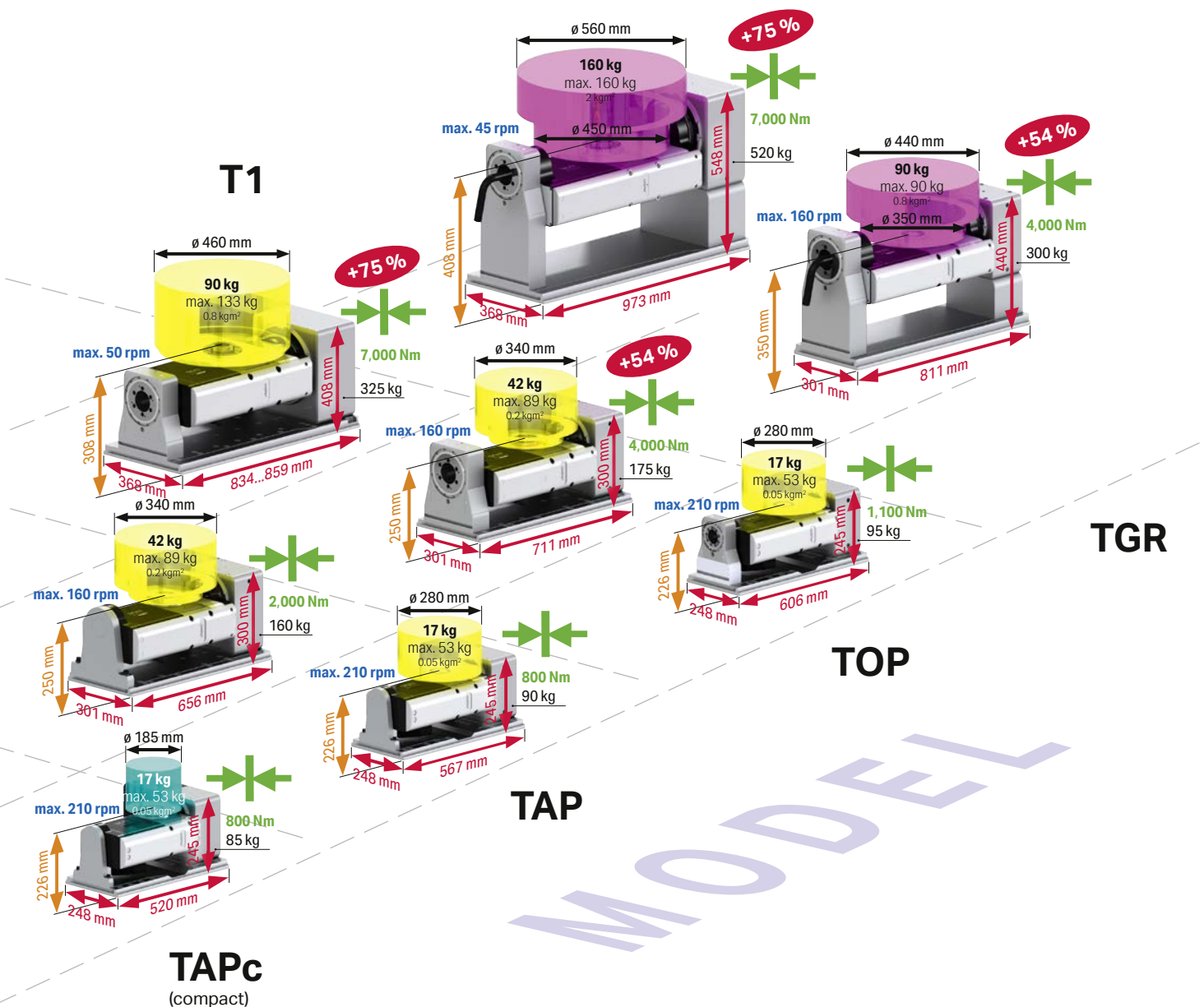
T1

TF



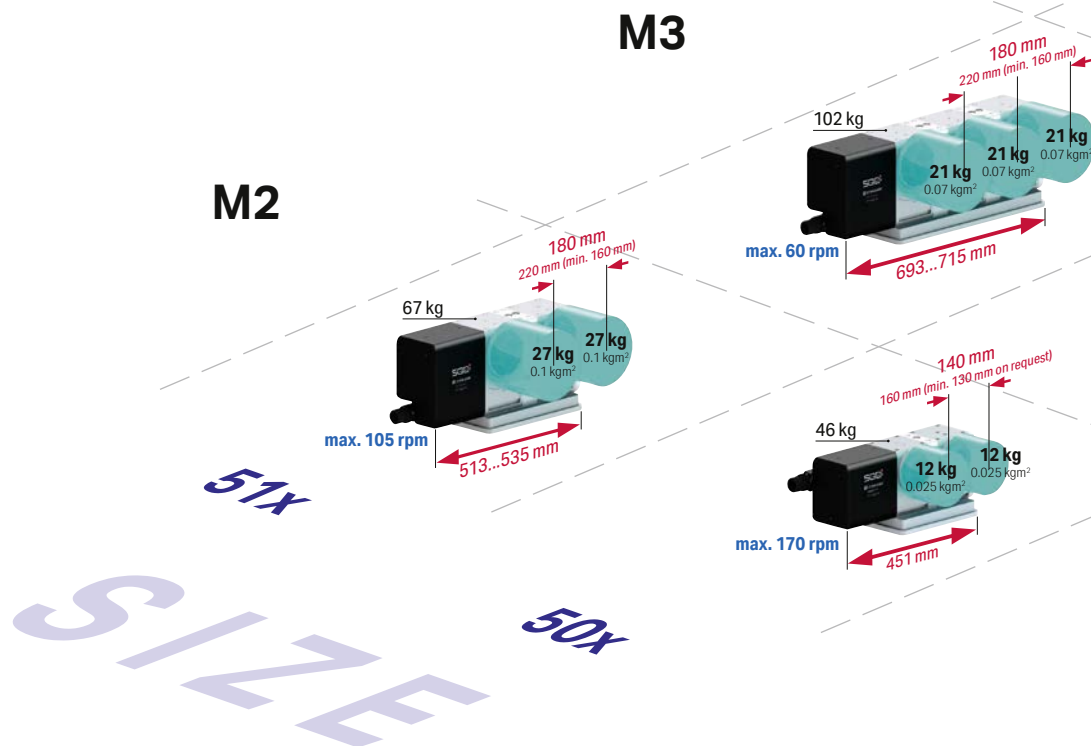
News in brief

1. Up to **150 %** higher clamping torque in tilting axis
2. Fewer variant – more solution
3. Larger workpiece $\varnothing$ possible
4. Spatially optimized arrangement of the dividing axis



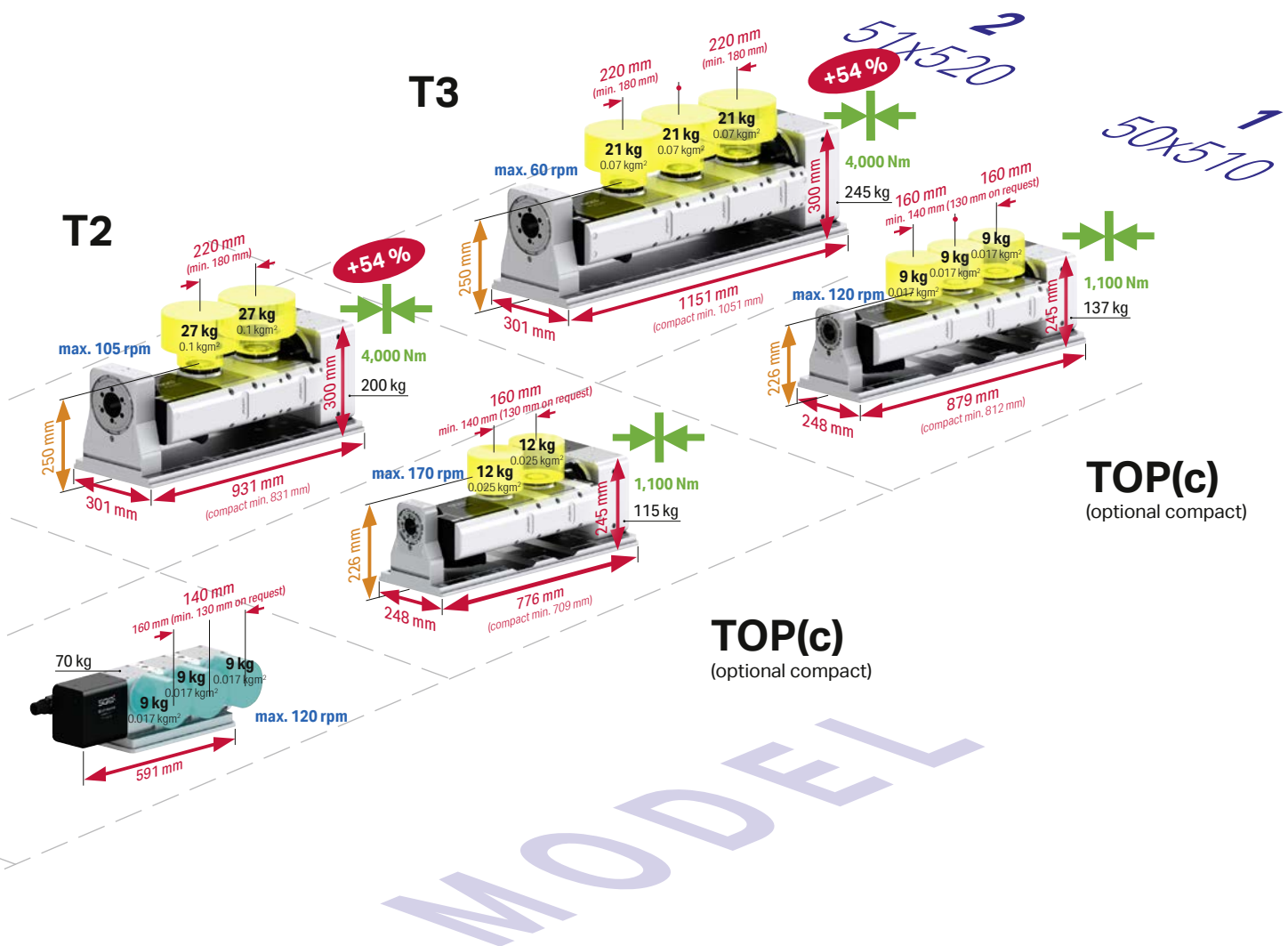
Weight data represent the standard load; higher weights possible, but require modification of rotational speed, acceleration and jerk limitation.

50x510	508510 (standard) or 508510 (high speed)
51x520	510520 (standard) or 511520 (high speed)
TIPc	Two-axis rotary table, no counter bearing, compact
TAPc	Two-axis rotary table, with supporting bearing, compact
TAP	Two-axis rotary table, with supporting bearing
TOP	Two-axis rotary table, with clamped counter bearing
TGR	Two-axis rotary table, with clamped counter bearing, specifically for grinding applications



News in brief

1. Up to **54 %** higher clamping torque in tilting axis
2. Fewer variant – more solution
3. Spindle distance min. **130 mm**
4. Spatially optimized arrangement of the dividing axis



- 50x 507 (standard) or 508 (high speed)
- 51x 510 (standard) or 511 (high speed)
- M2 Single-axis, multi-spindle rotary table, 2-position
- M3 Single-axis, multi-spindle rotary table, 3-position
- T2 Two-axis multi-spindle rotary table, 2-position
- T3 Two-axis multi-spindle rotary table, 3-position

Extremely wide assortment for workpiece clamping.
Standardized interface in front and rear: maximum universality

Spindle accessories in rear

- + Rotary unions **up to 250 bar**
- + Clamping cylinder **23 kN at 120 bar**
- + Angular position measuring systems **as precise as ± 1 arcsec**



Spindle accessories in front



Tailstock and counter bearing



ripas zero point clamping system



EA-507 with ripas auto and ripas adapter

CAPTO clamping (on request)

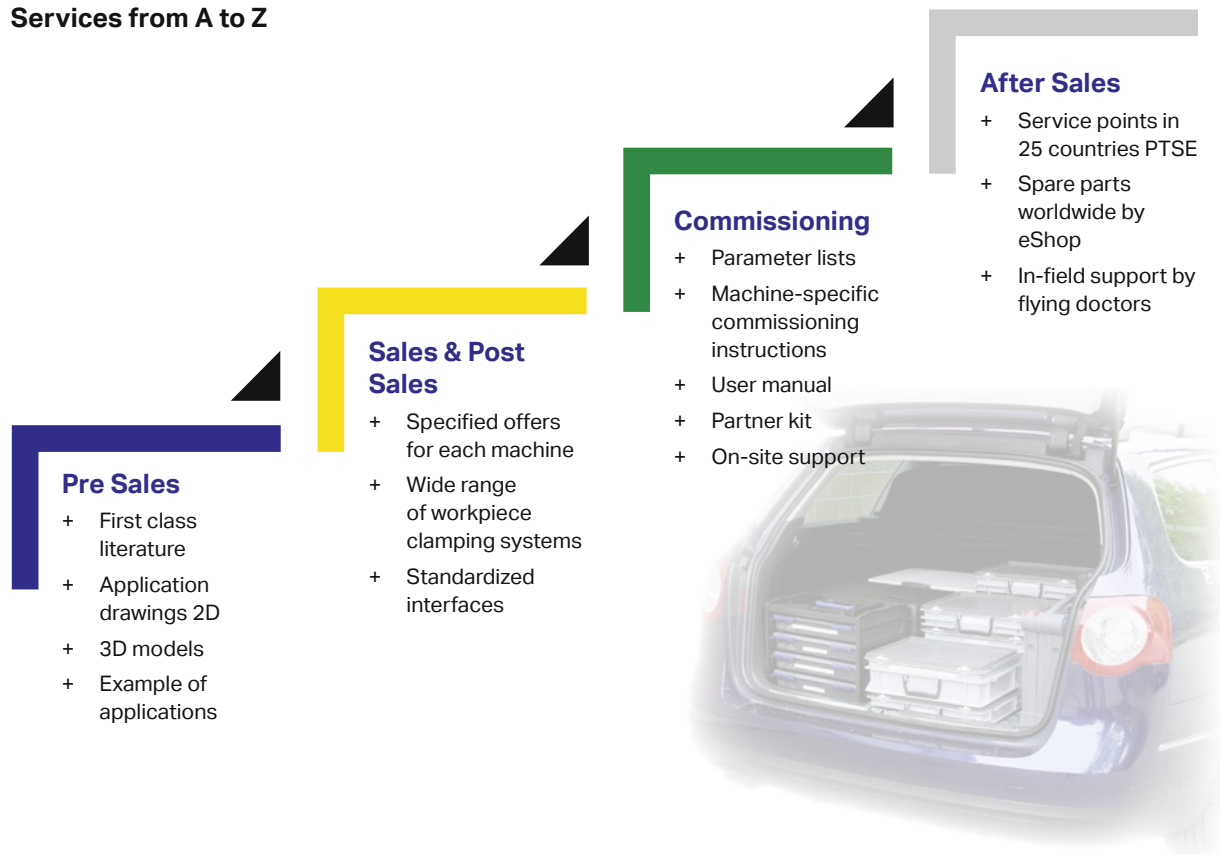


EA-507 with CAPTO retrofit kit

Present in over 20 countries: from sales consultation to the final service

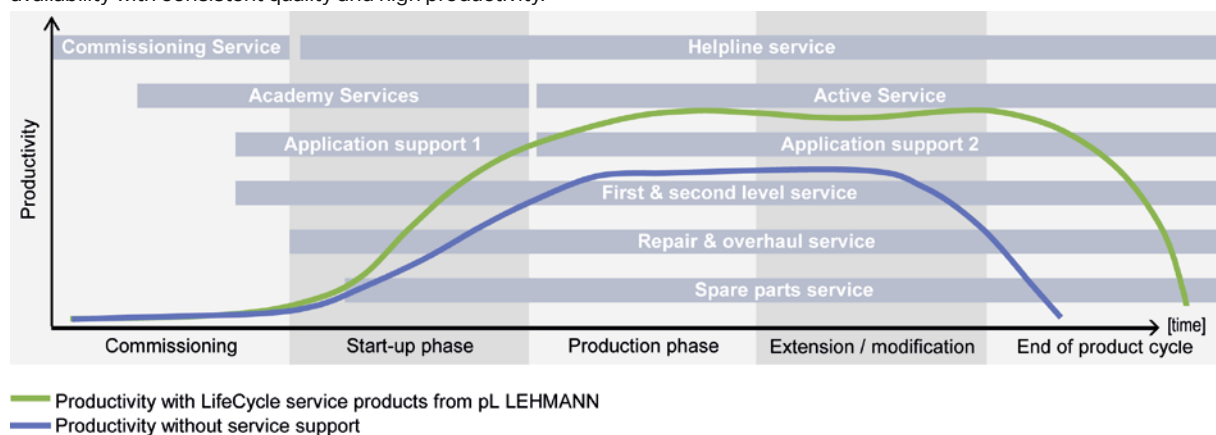


Services from A to Z



Increase productivity – Extend lifecycle

Comprehensive and professional services throughout the product life cycle – maximum availability with consistent quality and high productivity.



For more information please see www.lehmann-rotary-tables.com.



ROTARY TABLES · PRECISION TECHNOLOGY · SOFTWARE

Headquarters

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

Representatives / Agencies

Europe

- Austria
- Benelux
- Czech Republic (vacant)
- Finland
- France
- Germany
- Hungary (vacant)
- Italy
- Norway
- Poland
- Portugal
- Russia
- Slovenia
- Spain
- Sweden
- Turkey
- UK

America

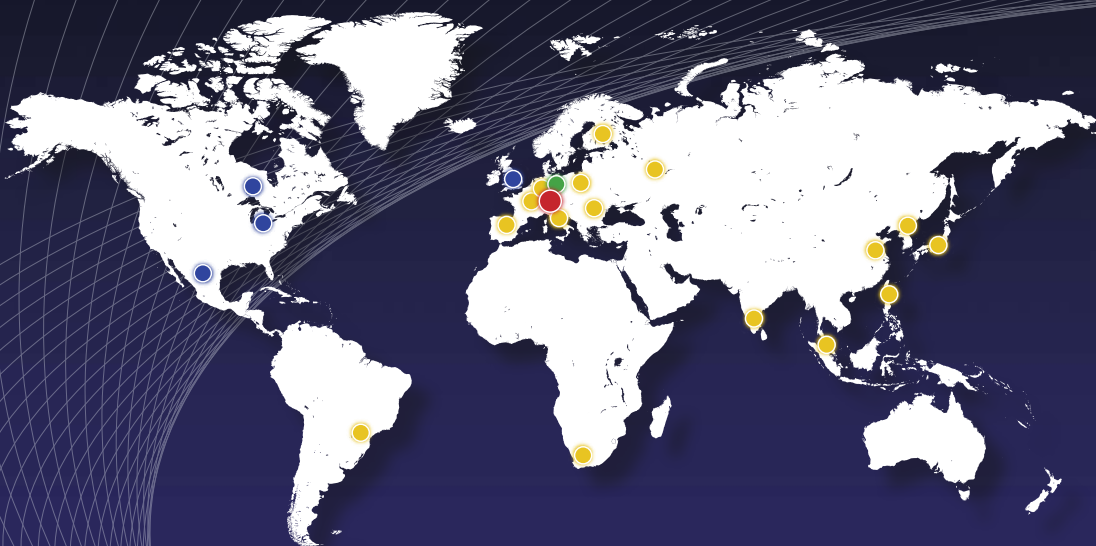
- Brazil
- Canada
- Mexico
- USA

Asia

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

Africa

- South Africa



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

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