



Selection Guide for CNC Rotary Tables ...



Bluetooth®

pl

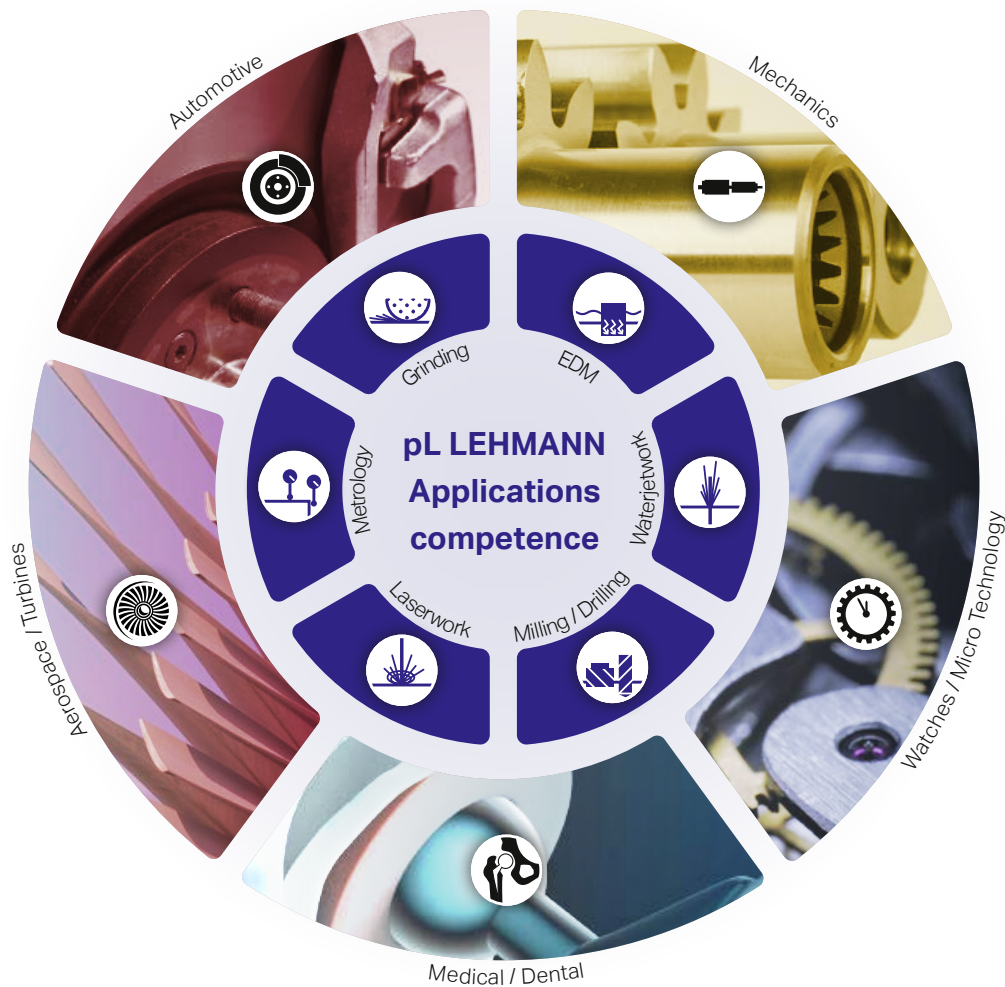
LOKUMA

10/2018 | EN



... for GENOS-, MA-, MB-, MF-,
MILLAC- and MP-series

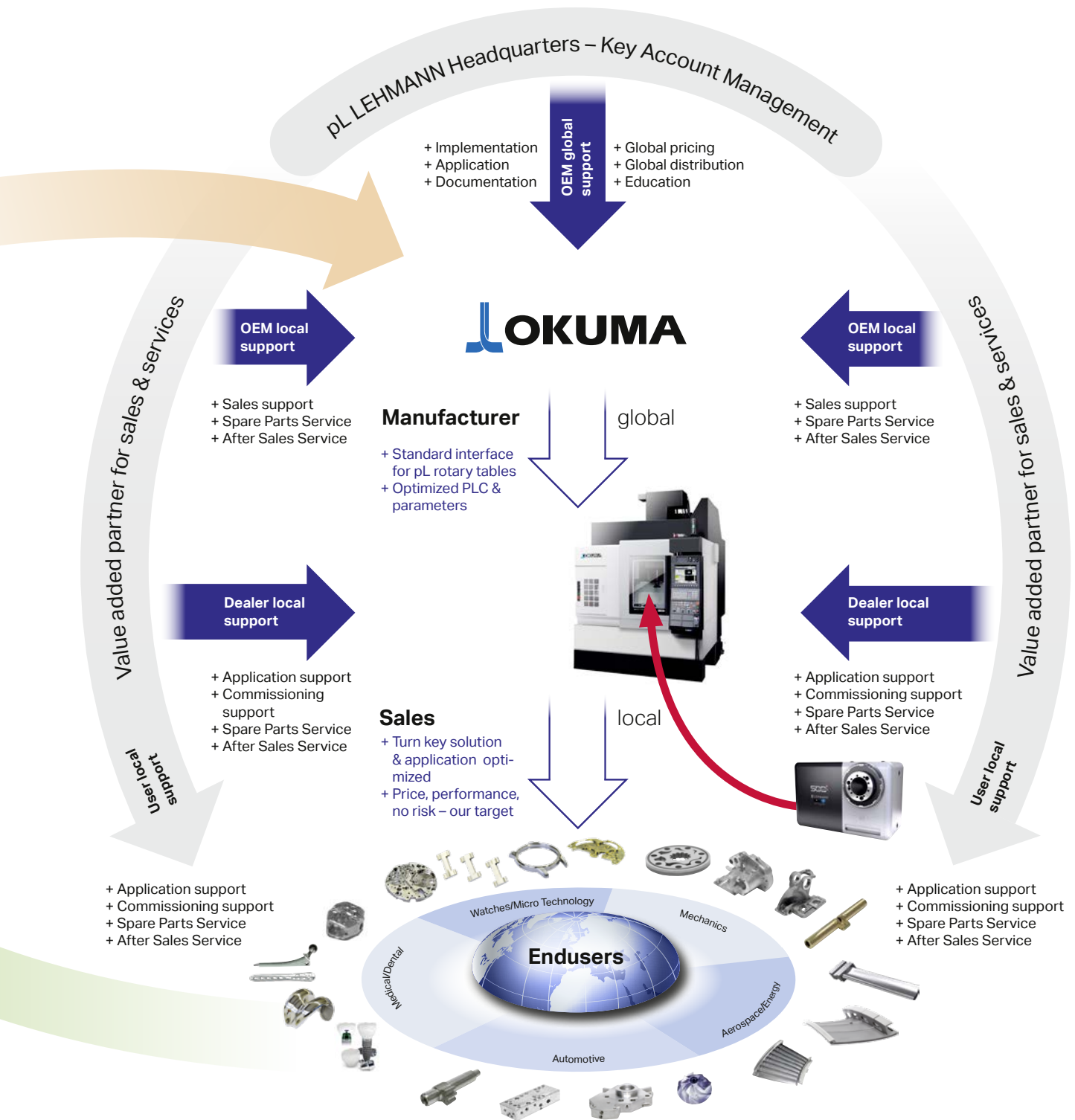
CNC rotary tables for economical manufacturing:
pL LEHMANN has suitable and rational solutions for
nearly every industry



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:
 OKUMA and pL LEHMANN provide
 first-class service to common customers



NEW
up to +30 %

Up to 210 rpm
up to 0.21 sec / 90°

Extended travel in
Z- and X-direction

High spindle load,
heavy-duty bearing

High speed

More space

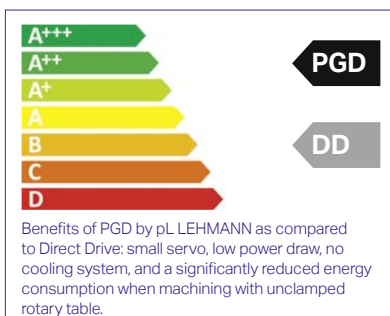
Heavy duty

E-Series



Rotary tables suitable for
simultaneous operation!

Save energy



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



NEW

Connectivity

Wireless monitoring,
for operation & service

No adjust

Load change without
parameter adjustment

Less cost

No cooling system,
no hydraulics



GENOS M460-VE



MA-550V

A word from OKUMA:

«Pushing the evolution of manufacturing. That is our mission.

Since our founding, Okuma has delivered machine tools to the world and has played a part in the development of the manufacturing industry. Building on that history, our wish is to always be proactive in expanding the possibilities of a wide variety of manufacturing. We will continue our challenge of providing everyone engaged in manufacturing with the means to perform applications with more freedom and thereby achieve even greater dreams and hopes.»



MB-46VA/B



MF-46VA/B

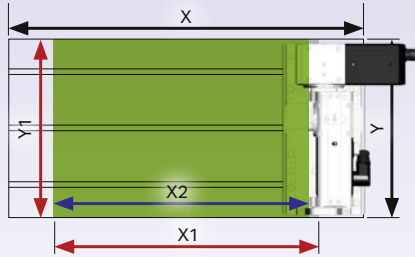


MILLAC 561V II



MP-46V

Y-mounting



Rotary table installation using hole pattern in base plate



TIP1



TAP1

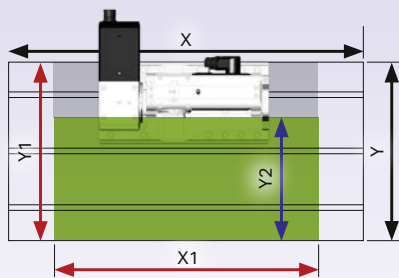


TOP1.2

	TIP1c TF-507510 X2	TIP2c TF-510520 X2	TIP3c TF-520530 X2	TAP1c T1-507510 X2	TAP2c T1-510520 X2	TAP3c T1-520530 X2	TAP1 T1-507510 X2	TAP2 T1-510520 X2	TAP3 T1-520530 X2	TOP1 T1-507510 X2
GENOS M460-VE	751									
GENOS M560-V	1'045	1'001		1'005	985		1'005			1'005
MA-550V	1'170	1'126		1'130	1'110		1'130			1'130
MA-650V	1'400	1'356	1'336	1'360	1'340	1'306	1'360	1'340		1'360
MB-46VA/B	630									
MB-56VA/B	1'045	1'001		1'005	985		1'005			1'005
MB-66VA/B	1'385	1'341	1'321	1'345	1'325	1'291	1'345	1'325		1'345
MF-46VA/B	631									
MILLAC 44V II										
MILLAC 44V II APC										
MILLAC 561V II	1'070	1'026		1'030	1'010		1'030			1'030
MILLAC 761V II	1'540	1'496	1'476	1'500	1'480	1'446	1'500	1'480	1'446	1'500
MP-46V										

	TOP2 T1-510520 X2	TOP3 T1-520530 X2	TAP1c.2 T1-507510 X2	TAP2c.2 T1-510520 X2	TAP3c.2 T1-520530 X2	TAP1.2 T1-507510 X2	TAP2.2 T1-510520 X2	TAP3.2 T1-520530 X2	TOP1.2 T2-507510 X2	TOP2.2 T2-510520 X2	TOP3.2 T2-520530 X2
GENOS M460-VE											
GENOS M560-V											
MA-550V											
MA-650V	1'340		1'360			1'360					
MB-46VA/B											
MB-56VA/B											
MB-66VA/B	1'325		1'345			1'345					
MF-46VA/B											
MILLAC 44V II											
MILLAC 44V II APC											
MILLAC 561V II											
MILLAC 761V II	1'480		1'500			1'500			1'500		
MP-46V											

X-mounting



Rotary table installation using hole pattern in base plate



TIP1

TAP1

TOP1.2

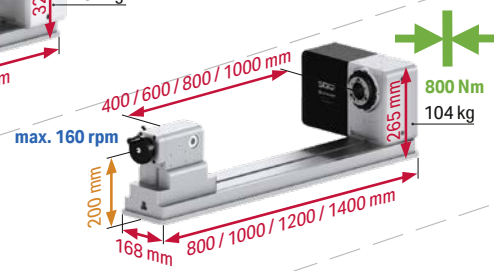
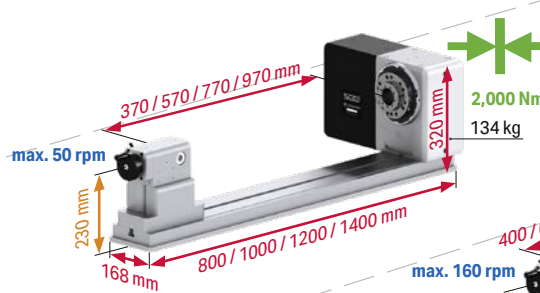
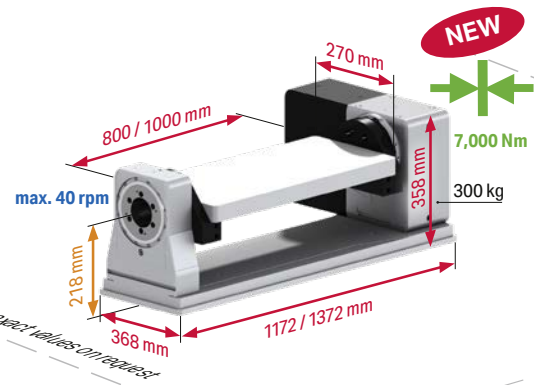
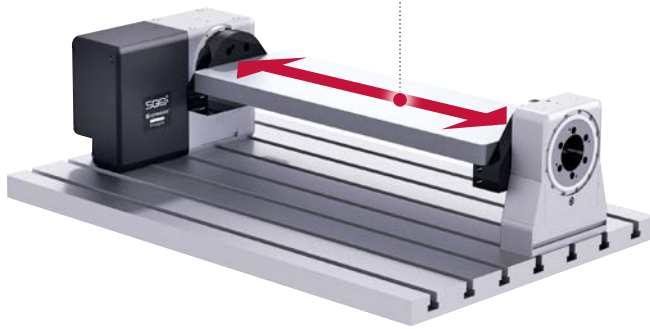
	TIP1c TF-507510 Y2	TIP2c TF-510520 Y2	TIP3c TF-520530 Y2	TAP1c T1-507510 Y2	TAP2c T1-510520 Y2	TAP3c T1-520530 Y2	TAP1 T1-507510 Y2	TAP2 T1-510520 Y2	TAP3 T1-520530 Y2	TOP1 T1-507510 Y2
GENOS M460-VE		286	266	290	270	236	290	270	236	290
GENOS M560-V						336		370	336	
MA-550V						336		370	336	
MA-650V									386	
MB-46VA/B		286	266	290	270		290	270		290
MB-56VA/B						336		370	336	
MB-66VA/B									436	
MF-46VA/B		336	316	340	320		340	320		340
MILLAC 44V II	275	231		235			235			235
MILLAC 44V II APC										
MILLAC 561V II						336			336	
MILLAC 761V II										
MP-46V										

	TOP2 T1-510520 Y2	TOP3 T1-520530 Y2	TAP1c.2 T1-507510 Y2	TAP2c.2 T1-510520 Y2	TAP3c.2 T1-520530 Y2	TAP1.2 T1-507510 Y2	TAP2.2 T1-510520 Y2	TAP3.2 T1-520530 Y2	TOP1.2 T2-507510 Y2	TOP2.2 T2-510520 Y2	TOP3.2 T2-520530 Y2
GENOS M460-VE	270	236	290	270		290	270		290	270	
GENOS M560-V	370	336	390	370	336	390	370	336	390	370	336
MA-550V	370	336	390	370	336	390	370	336	390	370	336
MA-650V		386		420	386		420	386		420	386
MB-46VA/B	270		290	270		290			290		
MB-56VA/B	370	336	390	370	336	390	370	336	390	370	336
MB-66VA/B		436		470	436		470	436		470	436
MF-46VA/B	320		340	320		340			340		
MILLAC 44V II			235								
MILLAC 44V II APC											
MILLAC 561V II	370	336		370	336	390	370	336	390	370	336
MILLAC 761V II					516			516		550	516
MP-46V											



Very good accessibility, even with short tools

More space for workpieces and fixtures



530

520


51x

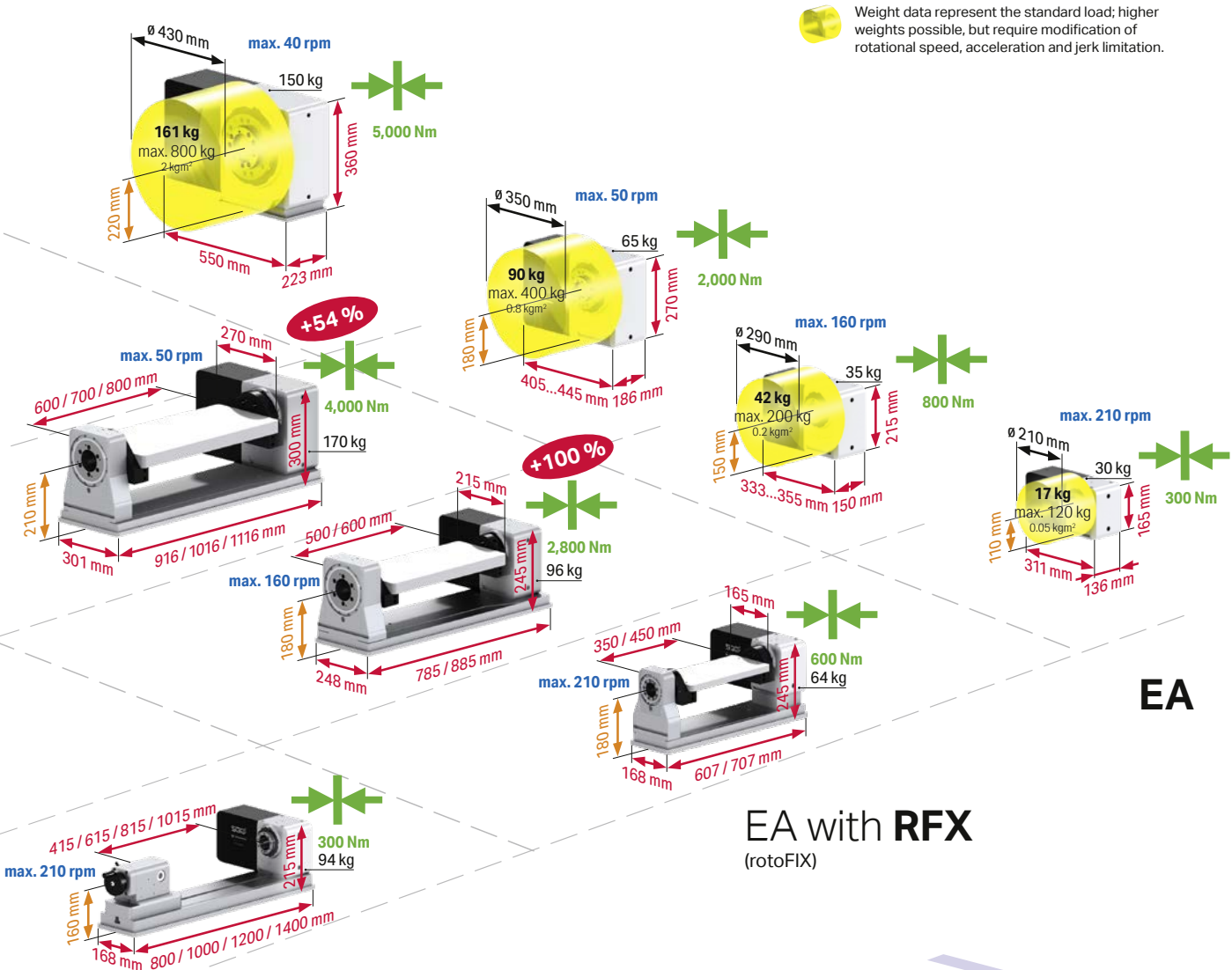
50x

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.



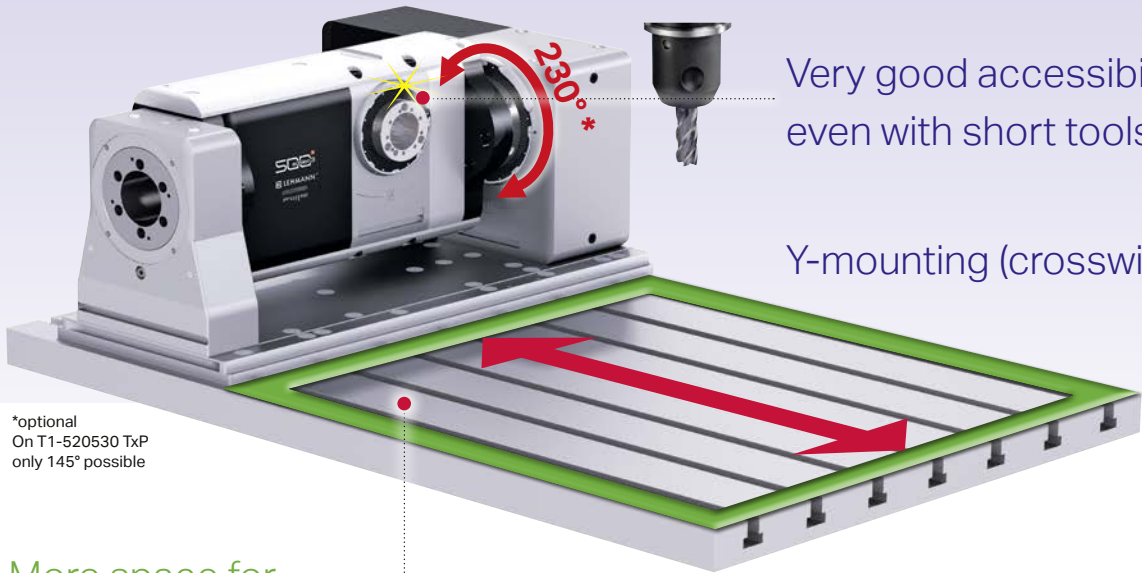
EA

EA with **RFX**
(rotoFIX)

EA with **LFX**
(longFLEX)

MODEL

- 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

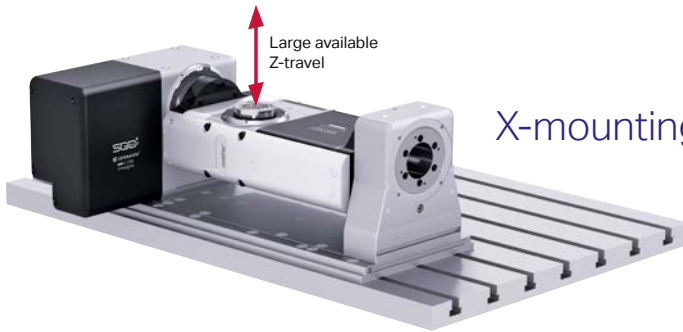


Very good accessibility, even with short tools

Y-mounting (crosswise)

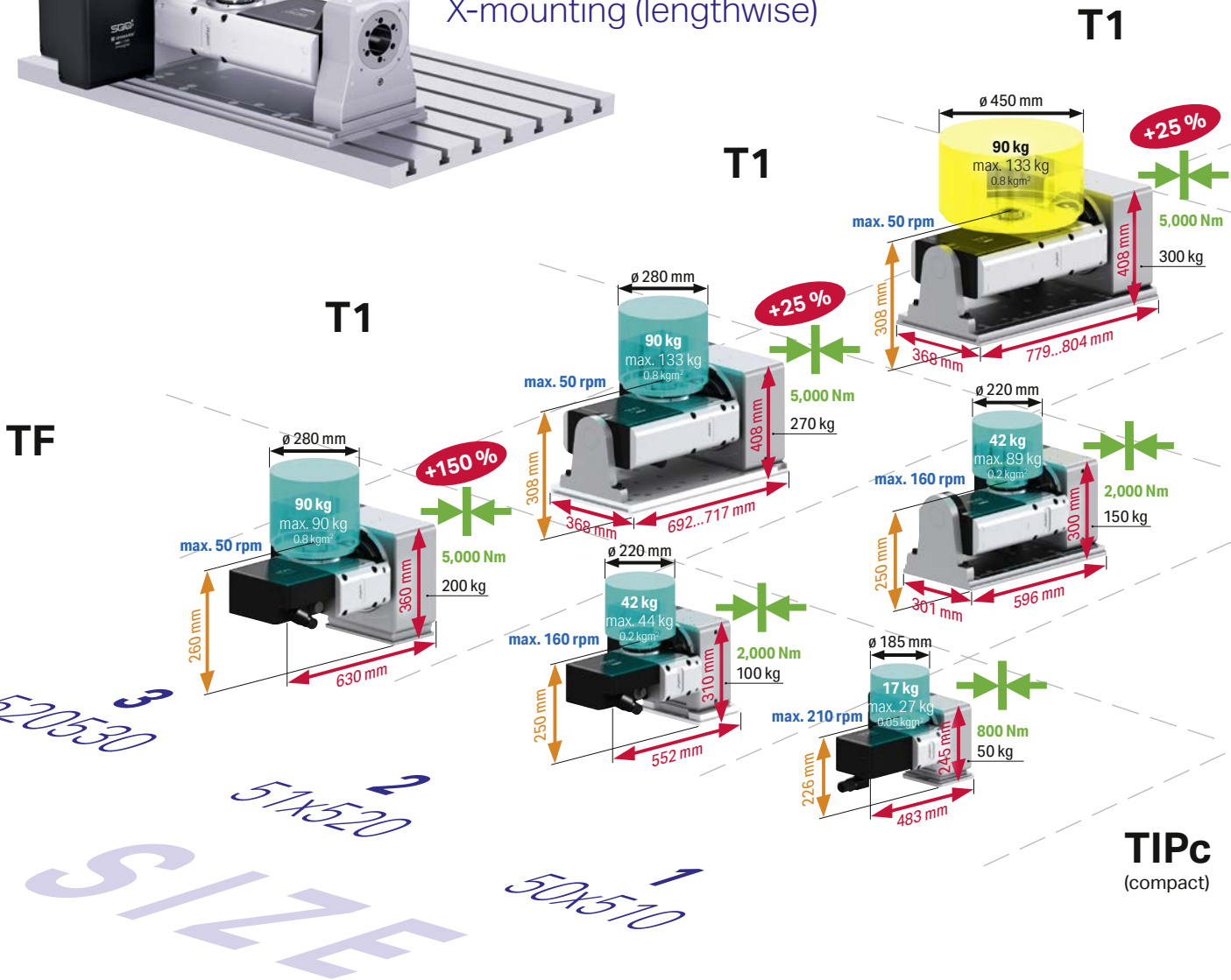
*optional
On T1-520530 TxP
only 145° possible

More space for workpiece and fixtures



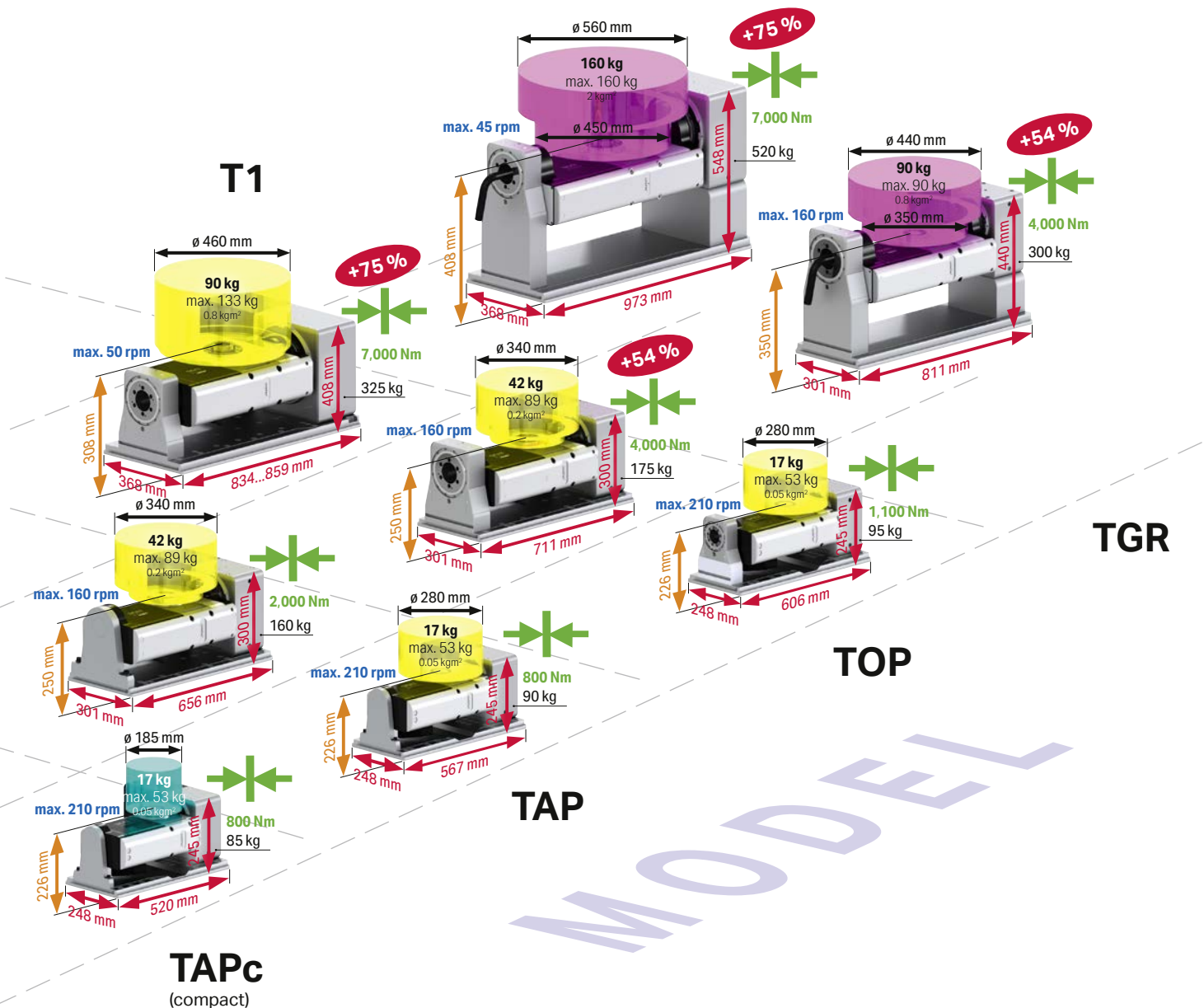
X-mounting (lengthwise)

T1



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

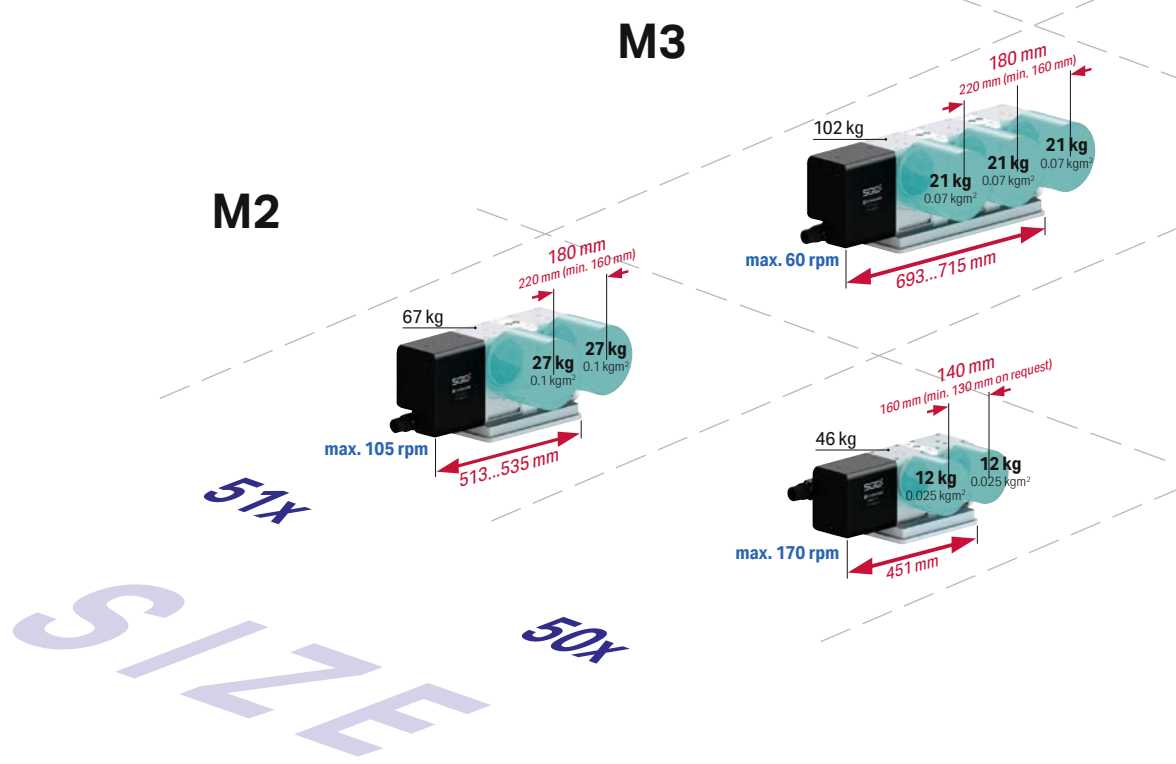


Weight data represent the standard load; higher weights possible, but require modification of rotational speed, acceleration and jerk limitation.

- 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

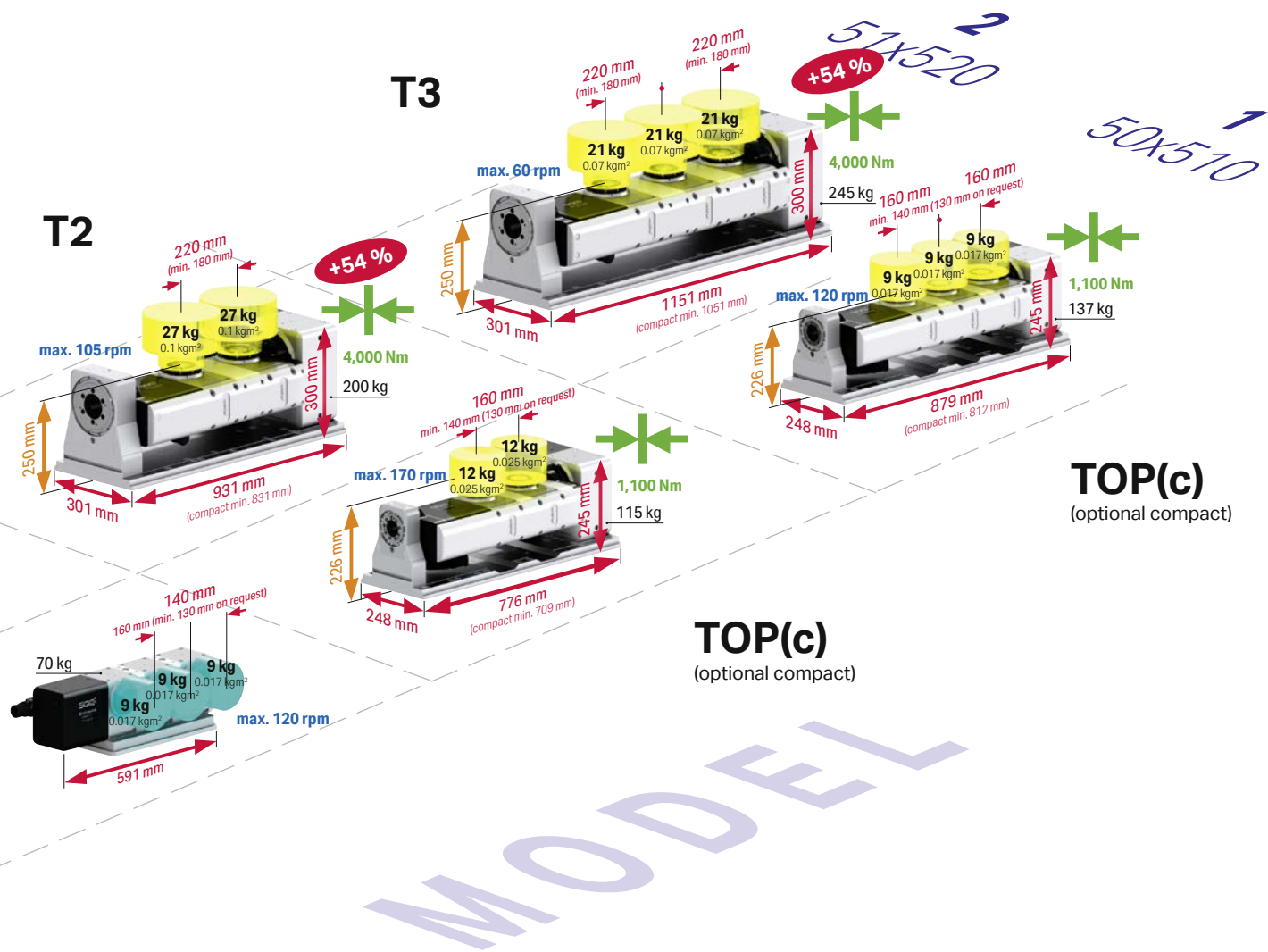


More space for workpiece and fixtures



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



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)
- 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)

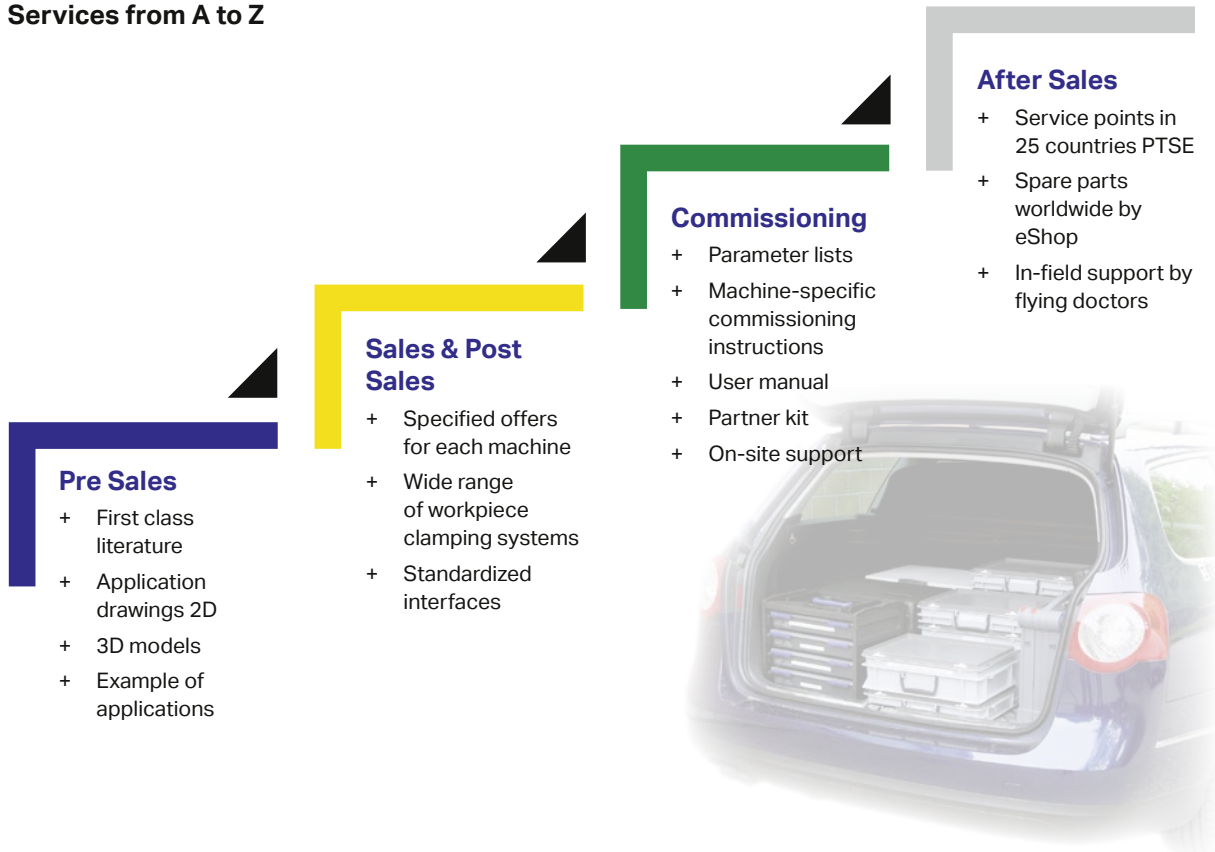


EA-507 with CAPTO retrofit kit

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

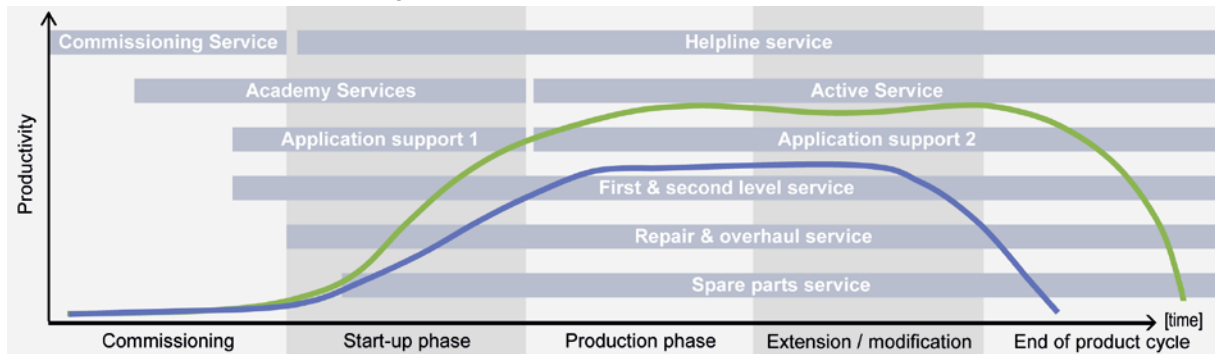


Services from A to Z



Increase productivity – Extend lifecycle

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



— Productivity with LifeCycle service products from pL LEHMANN
 — Productivity without service support

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



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Representatives / Agencies

Europe

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

America

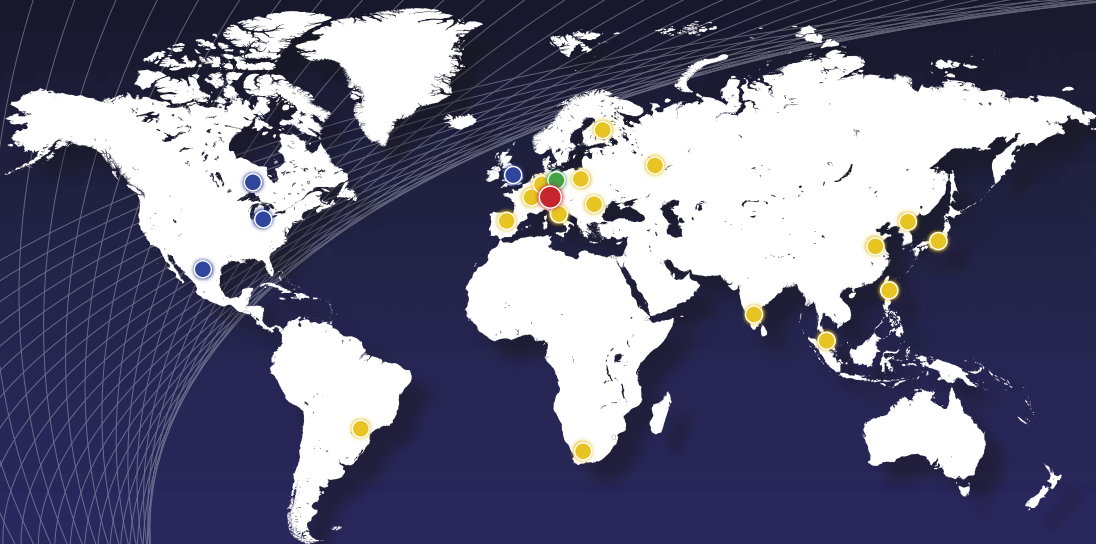
- Brazil
- Canada
- Mexico
- USA

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

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