



Selection Guide for CNC Rotary Tables ...

**Smart
Solution**

We will
support you

2025

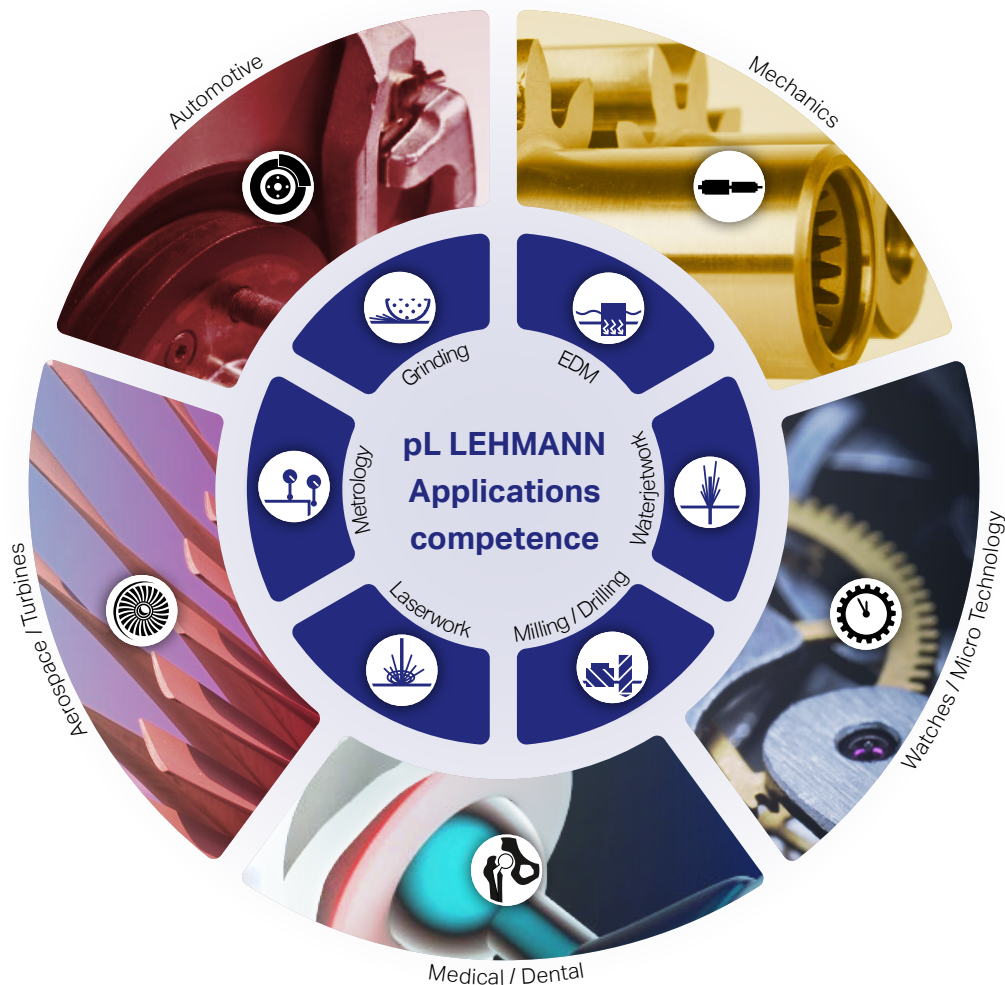
FANUC

02/2025 | EN



... for vertical machining centers

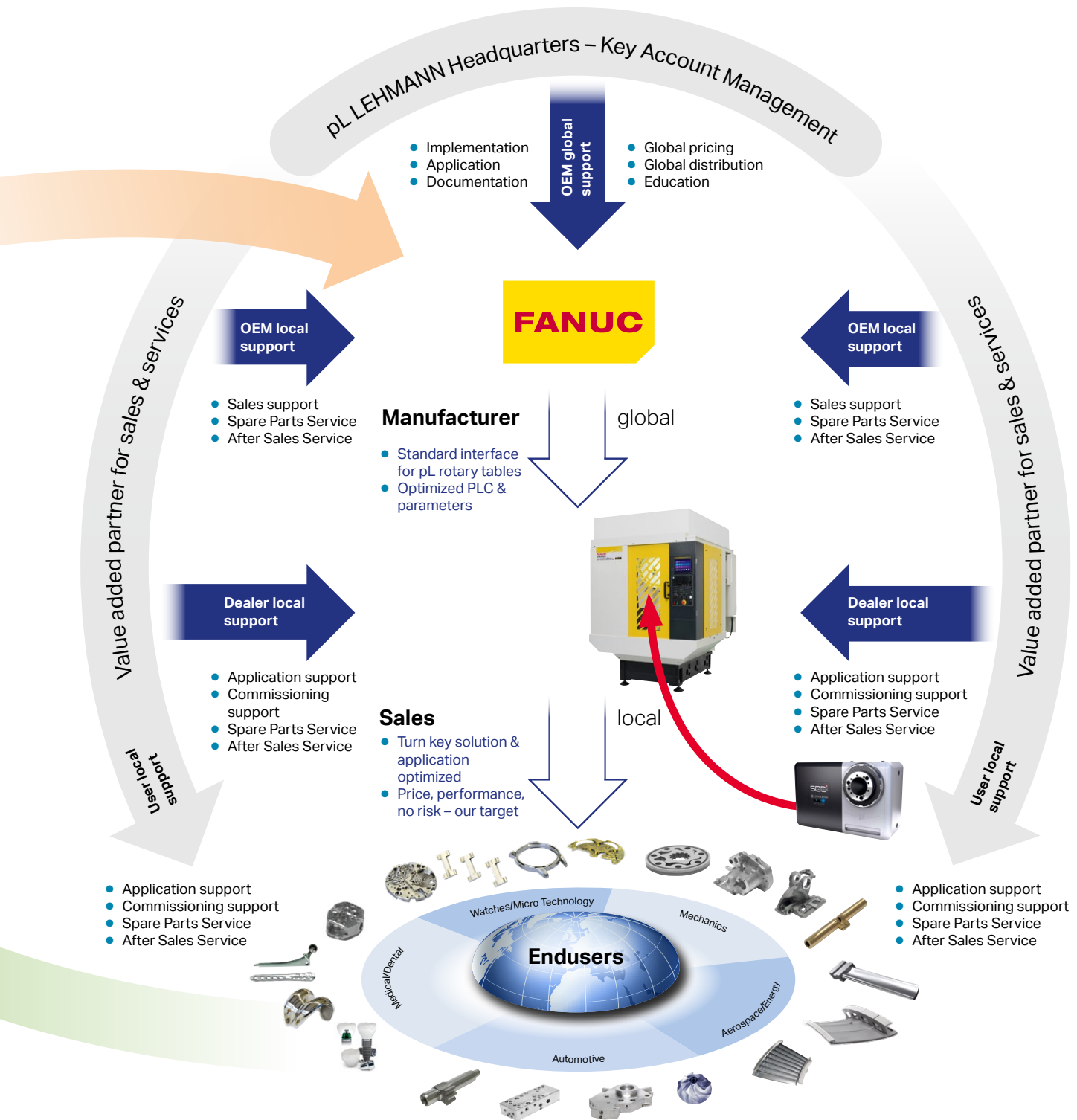
CNC rotary tables for economical manufacturing:
pL LEHMANN has suitable and rational solutions for
nearly every industry



pL rotary tables in use on over **200** different machine brands and
over **1,000** different machine models.

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

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



Up to 210 rpm
up to 0.21 sec / 90°

High speed GD

Extended travel in
Z- and X-direction

More space

High spindle load,
heavy-duty bearing

Heavy duty

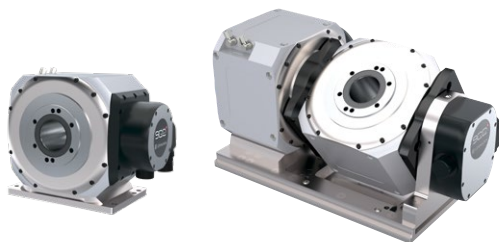
E-Series



EA-50x light only 12 kg



DD Series



**Request our
special catalog**

High speed DD

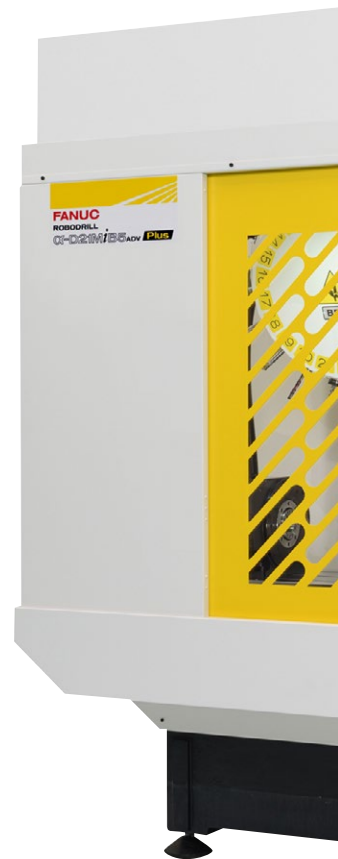
up to 3'300 rpm

Adaptability

Multifunctional
spindle HSK

Precision

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



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**

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

Monitoring for
operation & service

No adjust

Load change without
parameter adjustment

Less cost

No cooling system,
no hydraulics



D21LiB5 Plus



D21MiB5 ADV Plus



D21SiB5 Plus



D28LiB5 ADV PLUS Y500

A word from FANUC:

«Some call it a job; we call it a passion!

FANUC is the only company in its sector which develops and manufactures every single major component, both hardware and software, in-house. The benefit for you: superior functional reliability – and highest productivity guaranteed.»

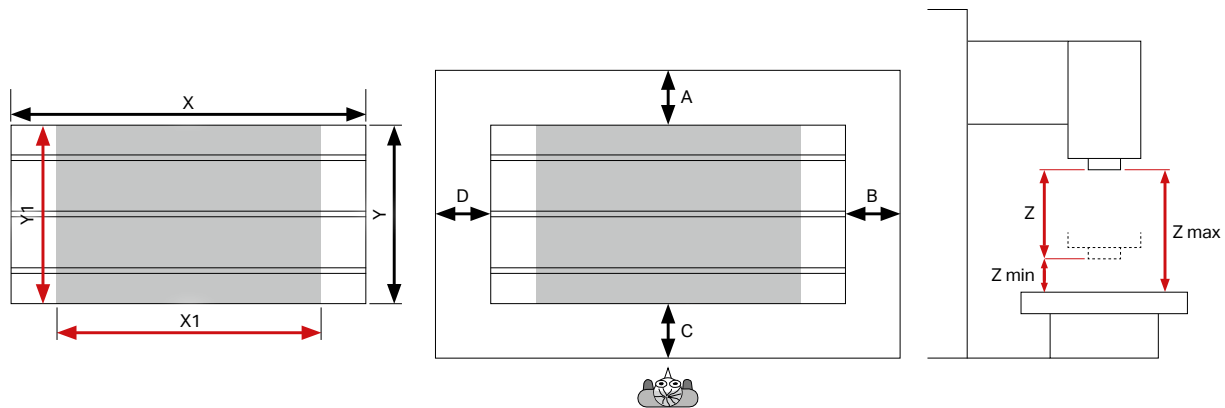
Passionate about innovation

«We don't just innovate for the sake of innovation.»

«Sure, it feels good to sell products which I can believe in 100 %.»

«We identify solutions. The simpler, the better.»

«What's different about FANUC? We always have our sleeves rolled up.»

[illegible]

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

	EA-507	EA-510	EA-520	EA-530	EA-913	EA-915	EA-918
	X2						
D21SiB5 Plus	298	282	256		262	262	212

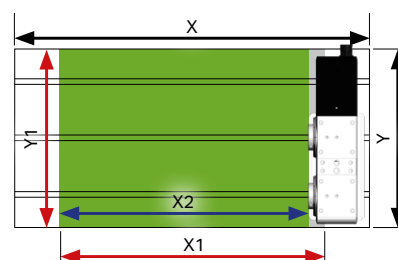
pl LEHMANN®

Explanations for pp. 8 to 11

The recommendations are for information purposes only. We recommend that you verify the effective dimensions prior to ordering. Modifications on the machine can lead to collisions and affect the dimensions X2 and Y2.

[illegible]

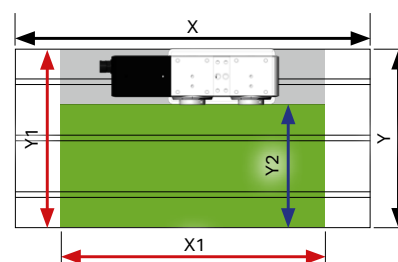
Y-mounting



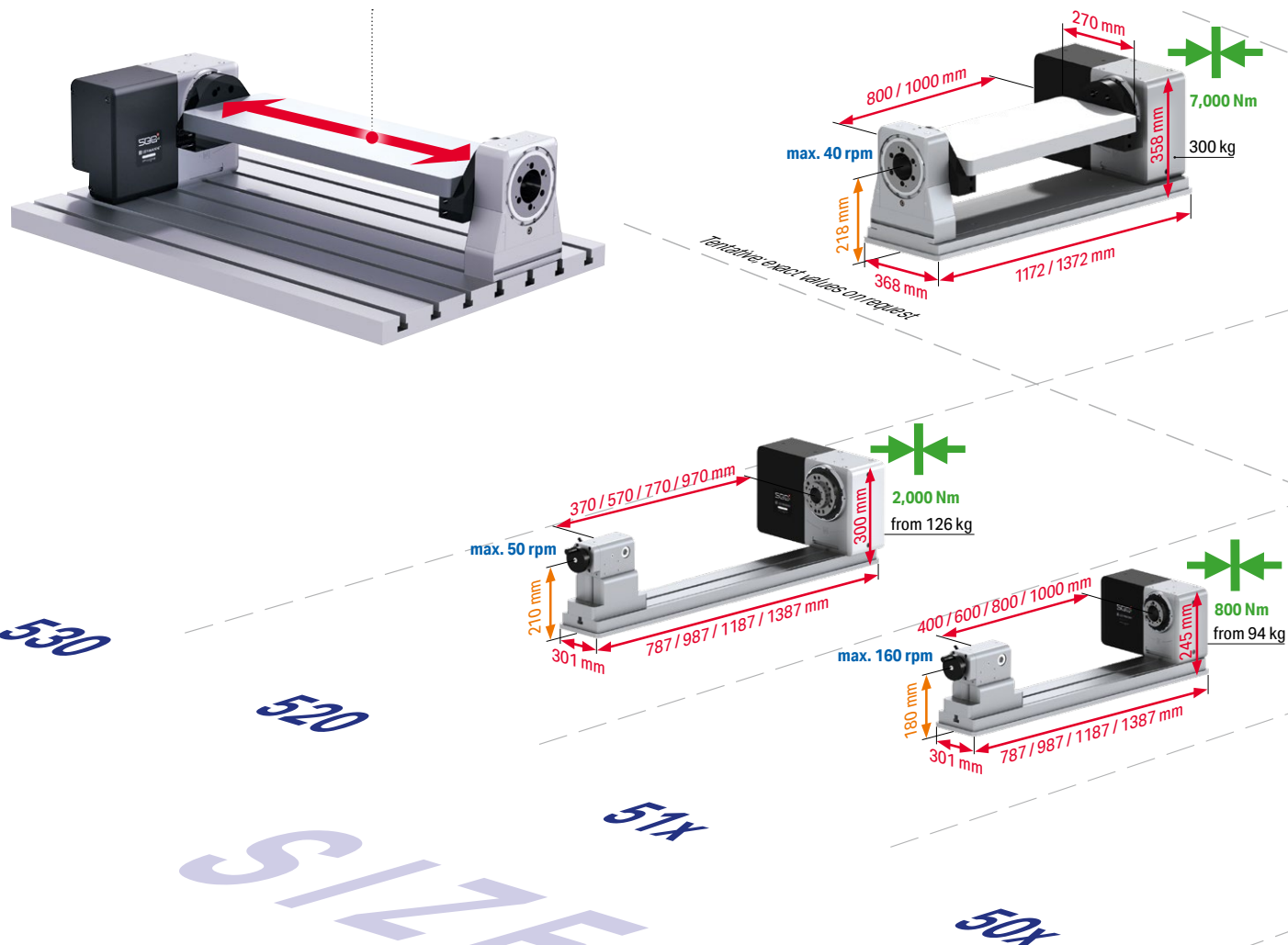
Rotary table installation with pL clamping claws in accordance with the operating manual

[illegible]

X-mounting

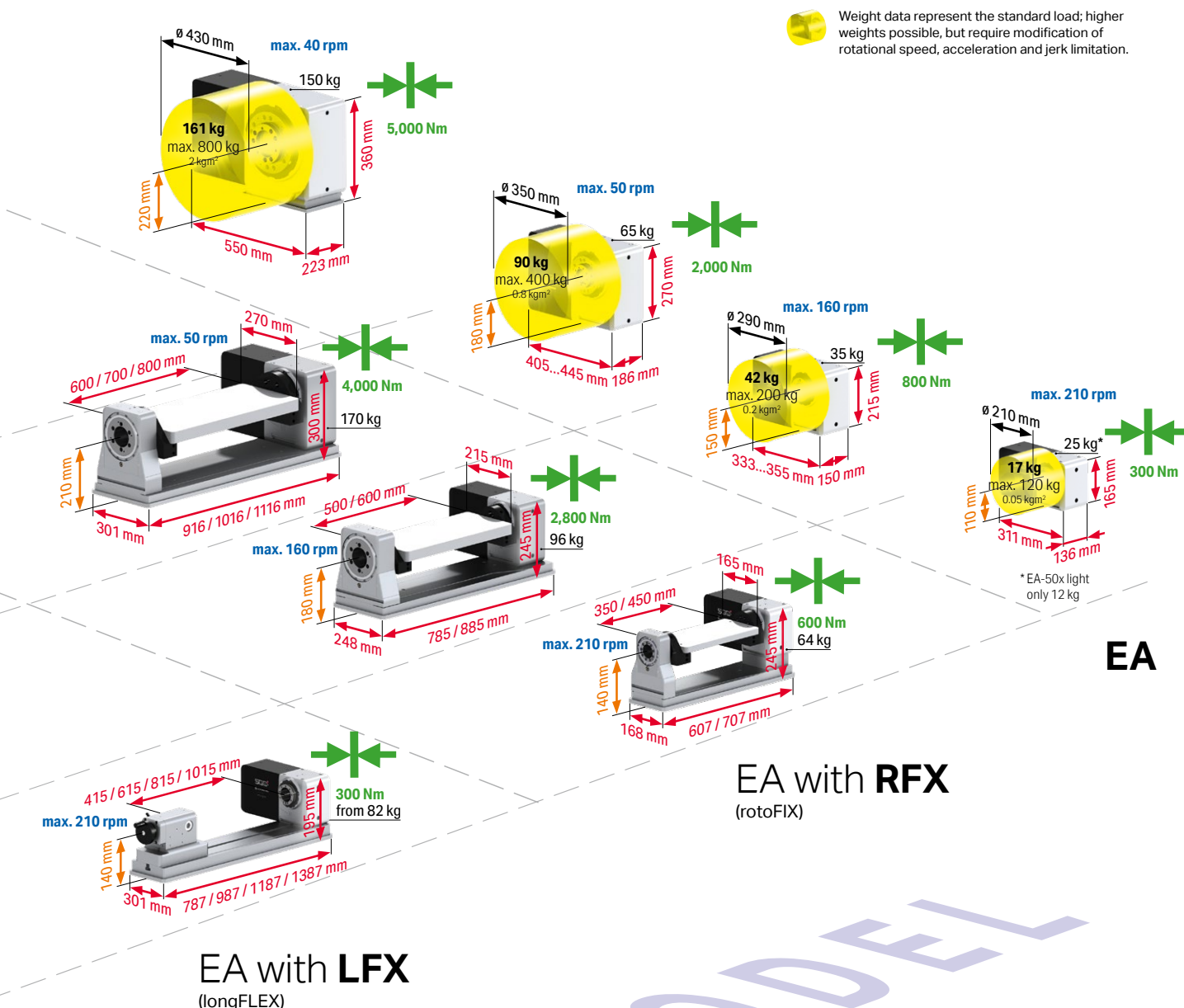


Rotary table installation with pL clamping claws in accordance with the operating manual

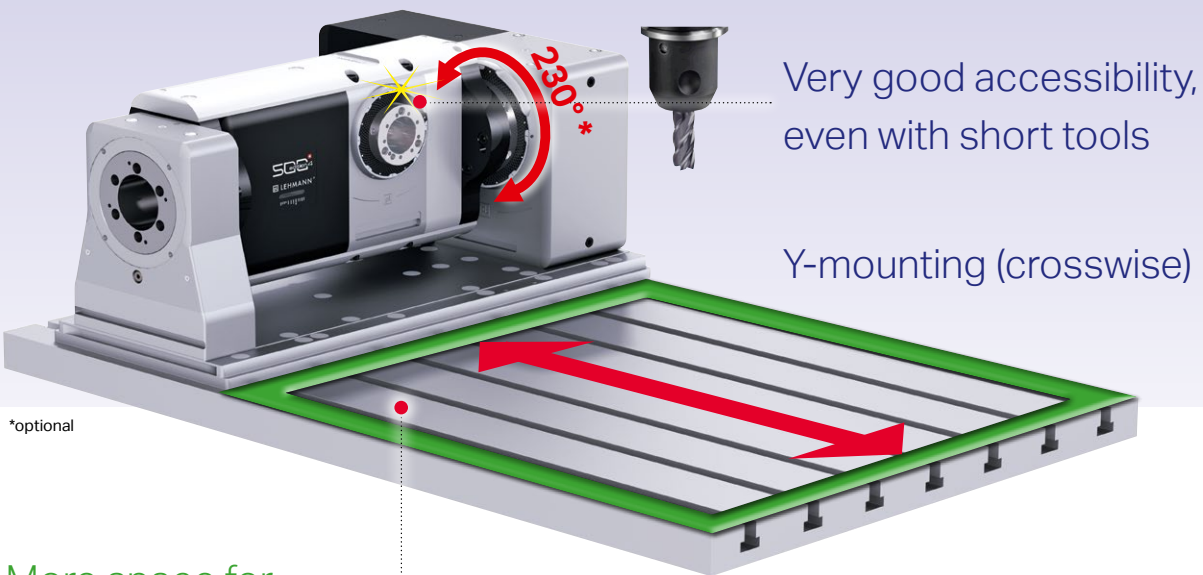


Facts

- High speed up to 210 rpm
- Steel base plates with hole pattern (suitable for slot spacing of 100 and 125 mm)
- Cycle time 90° as fast as 0.21 sec.



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



*optional

More space for
workpiece and fixtures

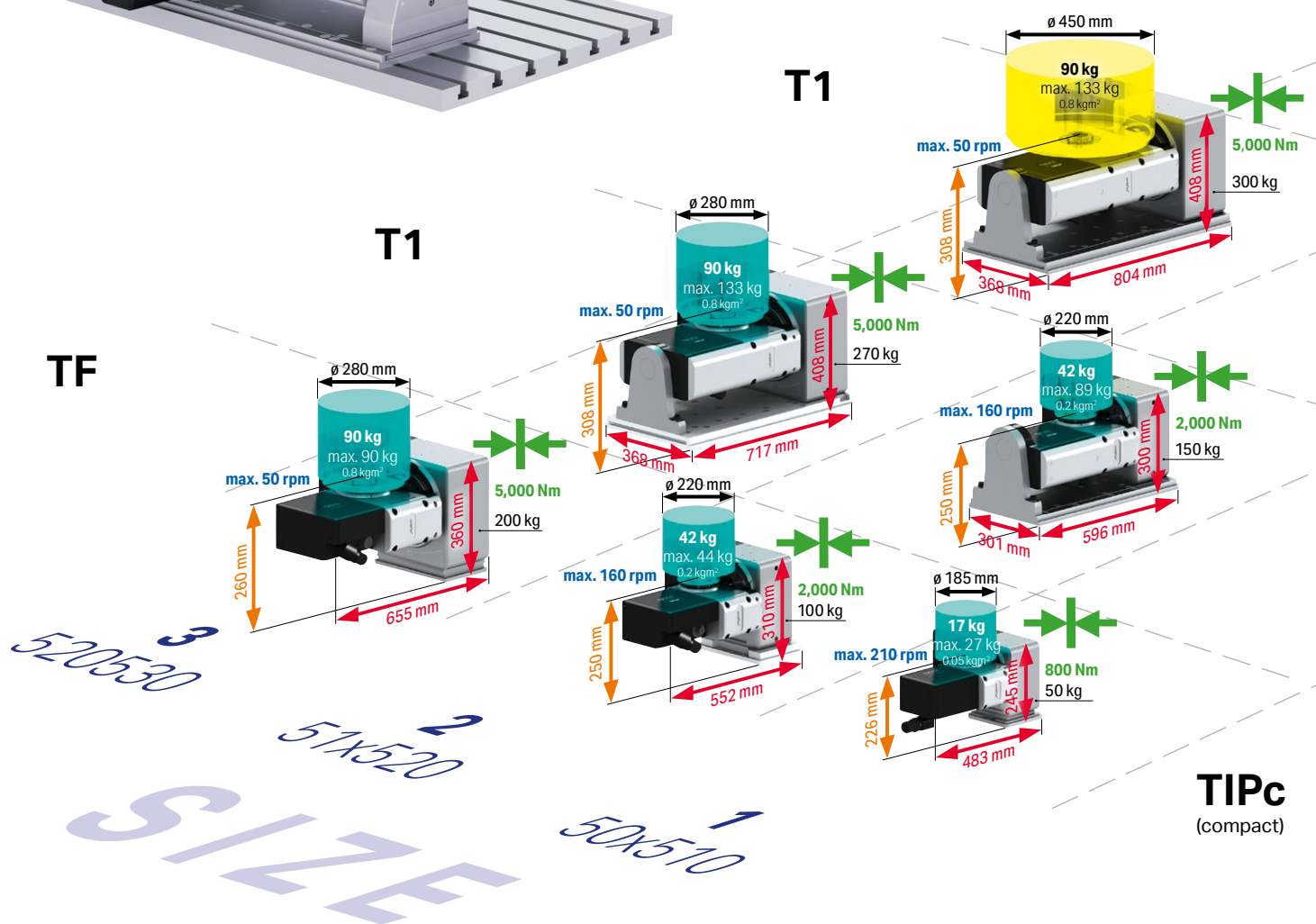


T1

T1

T1

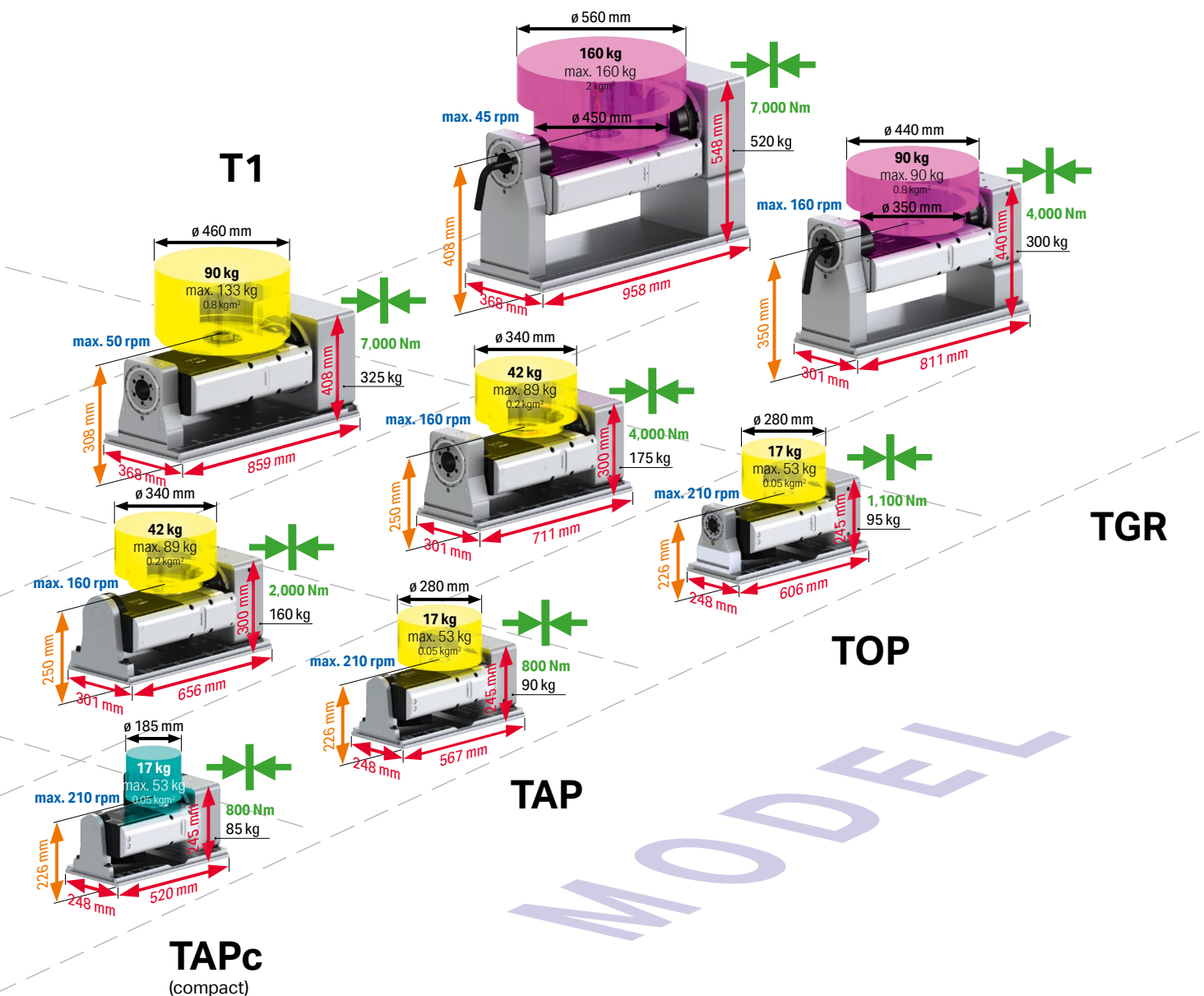
TF



TIPc
(compact)

Facts

- Up to 150 % higher clamping torque in tilting axis
- Fewer variant – more solution
- Larger workpiece $\varnothing$ possible
- 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



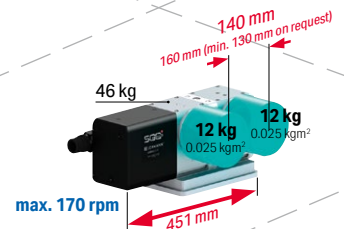
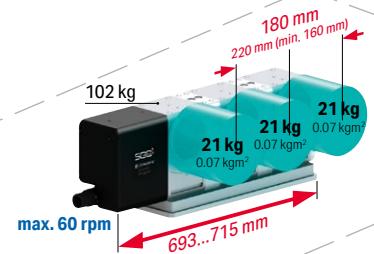
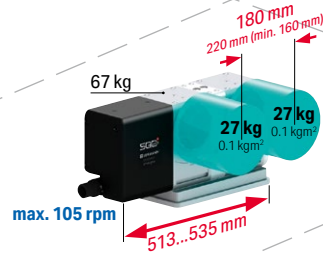
M2

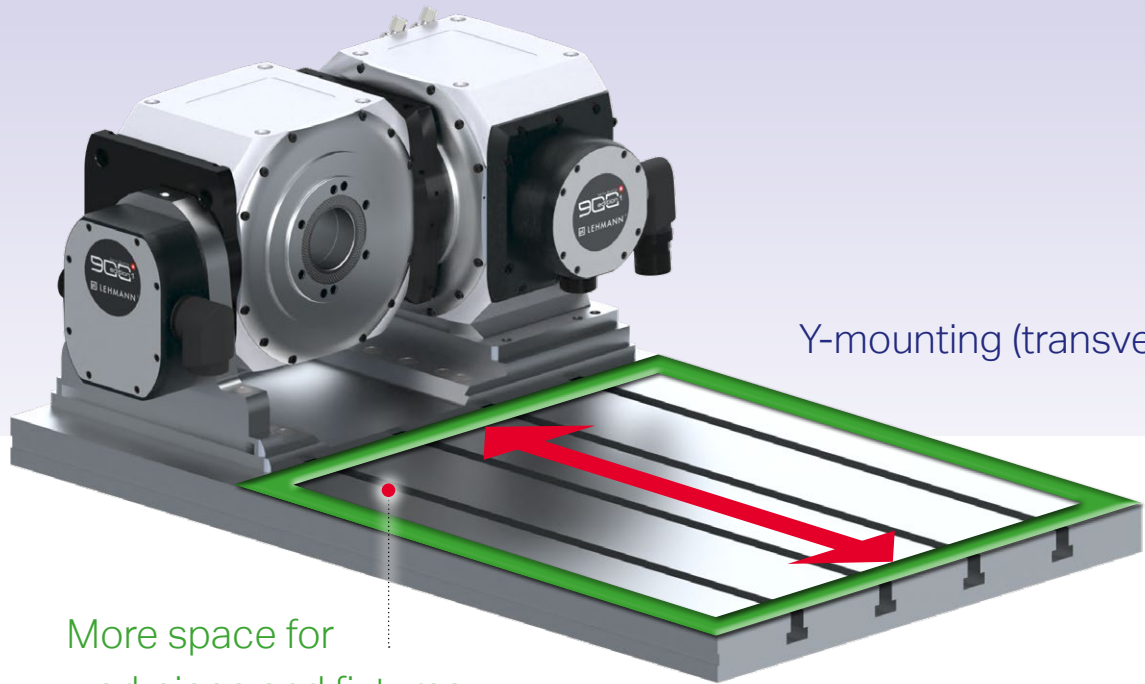
M3

SIZE

51x

50x





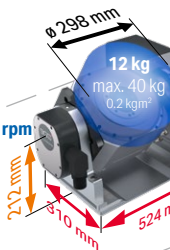
More space for
workpiece and fixtures



T1

T1

T1



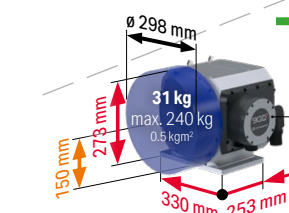
max. 3'210 rpm

915520

913520

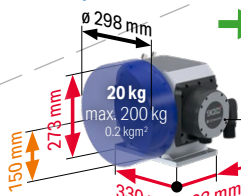
913918

913915



97 kg

max. 1'300 rpm



79 kg

max. 2'560 rpm



76 kg

max. 3'210 rpm

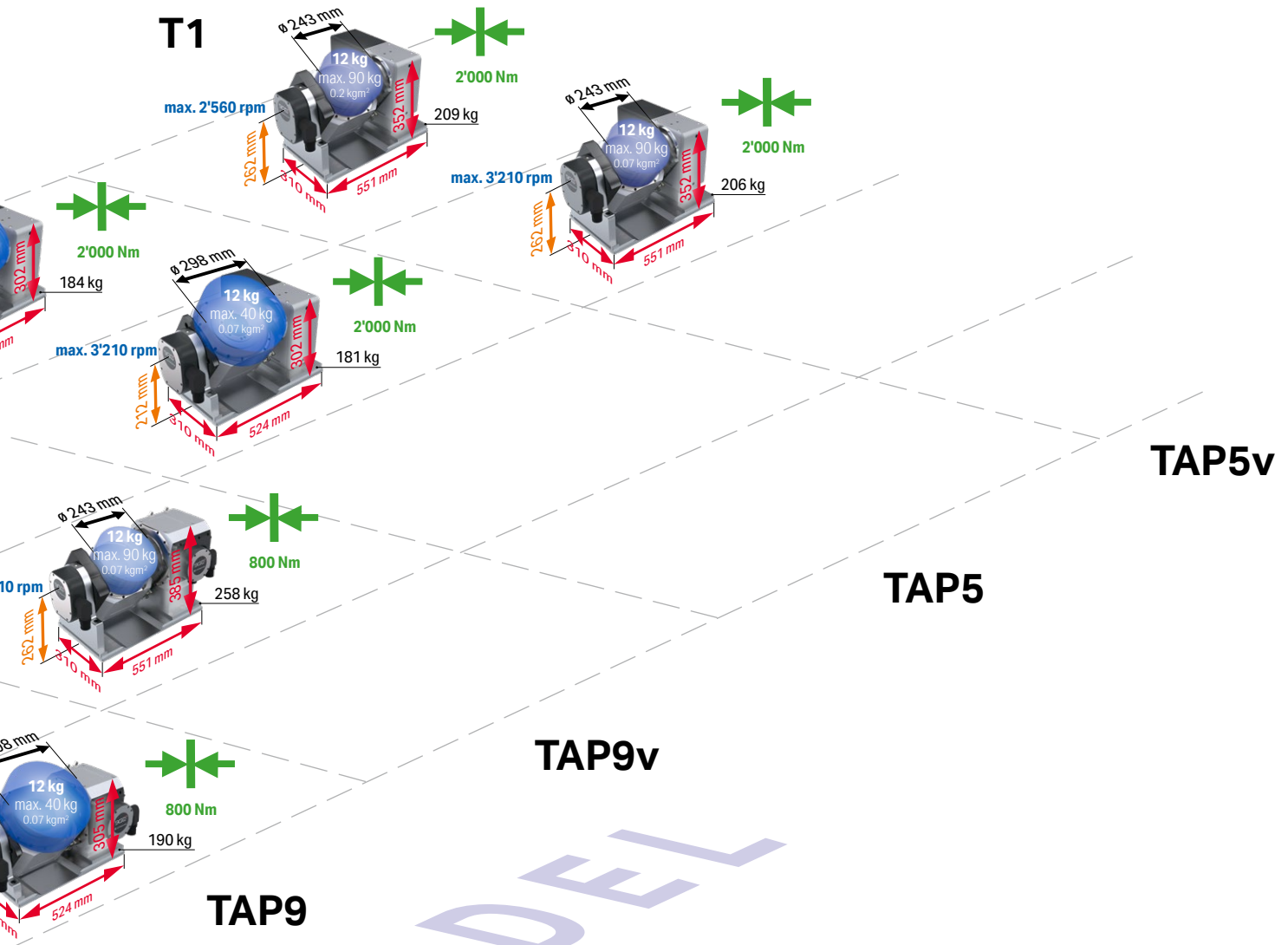


EA

SIZE

Highlights

- For millturn applications
(e.g. watch cases from bar stock)
- DD up to 3300 rpm available
- Very compact
- For Siemens, Mitsubishi, HEIDENHAIN and Fanuc
(if Fanuc measuring system: 100% Fanuc DDT-compatible)



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

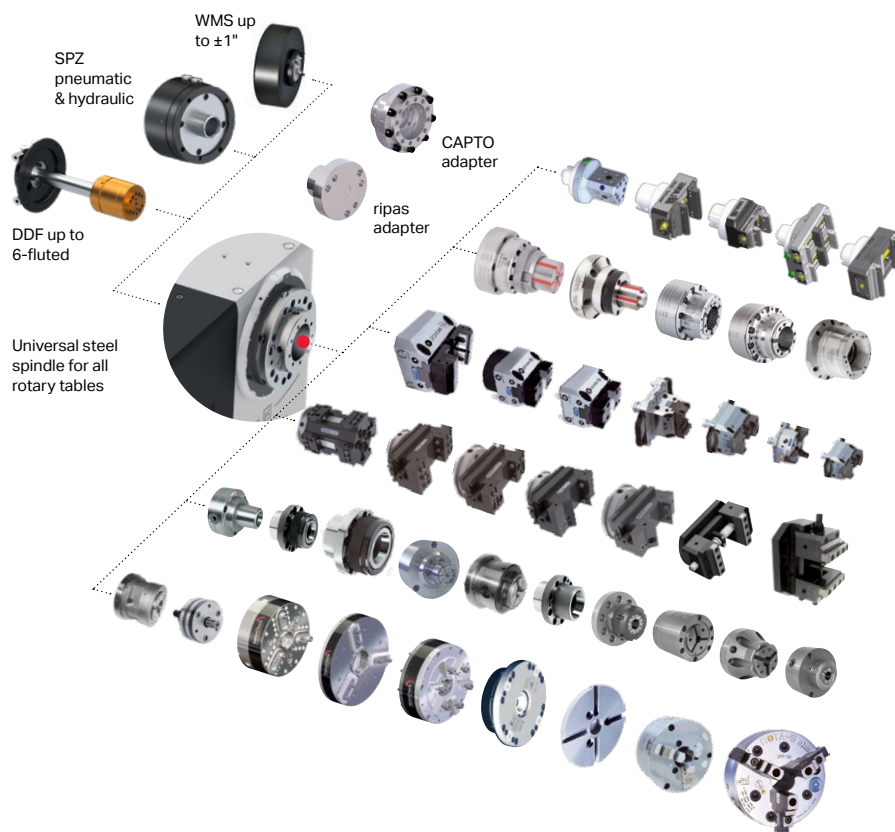
EA single-axis, single-spindle CNC rotary table
TAP two-axis rotary table, with supporting bearing
TAPv Two-axis rotary table, with support bearing, low-profile version (vario)

Feed max.: without flux weakening

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

Spindle accessories, rear

- Rotary unions **up to 250 bar**
- Hydraulic clamping cylinder **23 kN at 120 bar**
- Pneumatic clamping cylinder **11 kN at 10 bar**
- Angular position measuring systems **as precise as ± 1 arcsec**



Spindle accessories in front



unique

Tailstocks and counter bearings



ripas zero point clamping system



EA-507 with ripas auto and ripas adapter

CAPTO clamping



EA-507 with CAPTO retrofit kit

Present in over 30 countries:
from sales consultation to the final service



Get an offer

Please send us your request with the following information:

1. Do you need a 4th or 4th/5th axis?
2. On which machine should the rotary table get installed?
(Name and exact type; e.g. DMG MORI 850V)
3. Which controller is on the machine?
(Name and exact type; e.g. Heidenhain TNC 640)
4. What do you want to process on your machine?
 - Workpiece size
 - Weight
 - Material
 - Size of the series (number of pieces/year)
 - Loading and unloading (automatic or manual)
5. Is the machine completely prepared for the 4th or 4th/5th axis
(PLC, software activation, hardware interface)?



ROTARY SOLUTIONS › MACHINE TOOLS & METROLOGY

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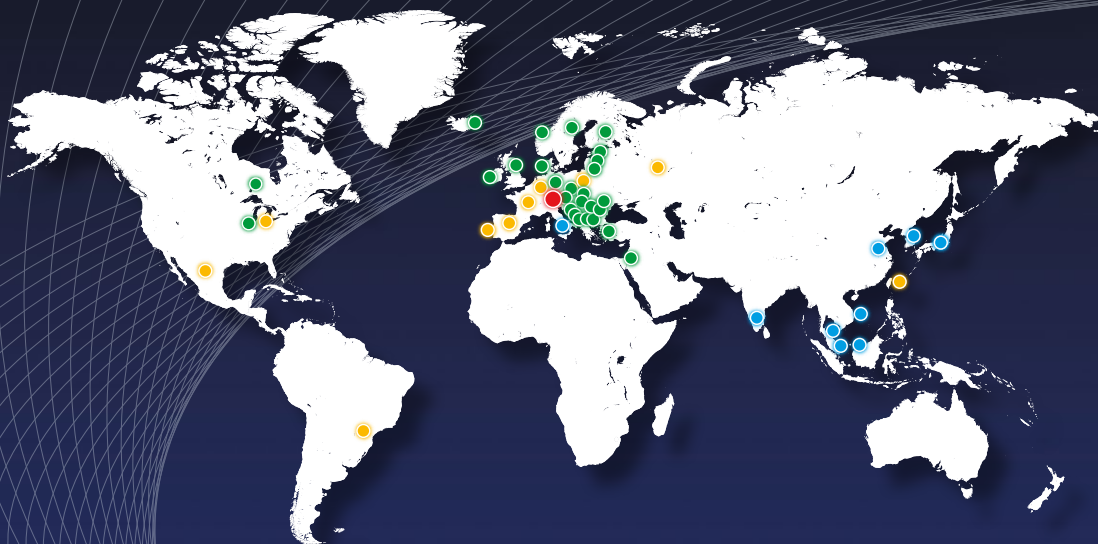
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● Headquarters ● direct sales ● pL SOLUTIONS® partner ● value added reseller & partner
More information (address, telephone number...) at www.lehmann-rotary-tables.com