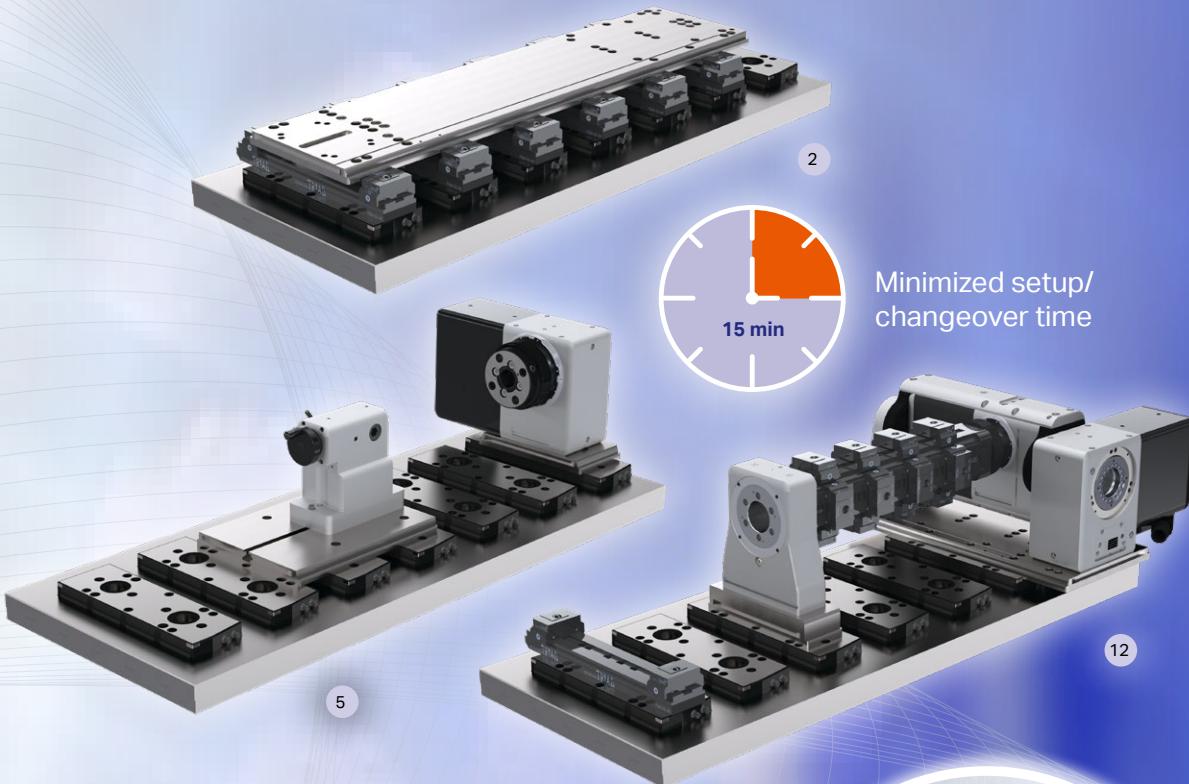


Invest in your productive future



LM  
Processes

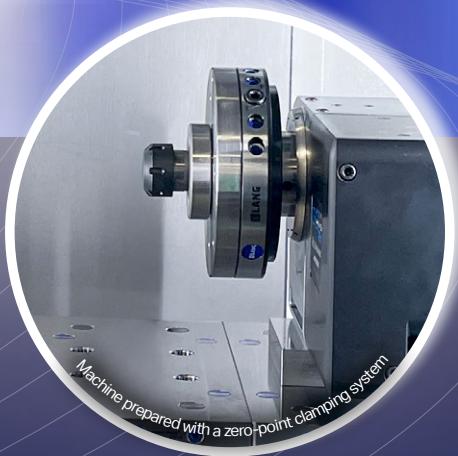
Zero point  
for zero setup

2024

quickFlex®

10/2024 | EN

Short-term –  
customizable –  
affordable





... and many other versions ...



From 3 to

## Converted

MANY components  
ONE operation  
Standard



1

Minimized setup/  
changeover time



3

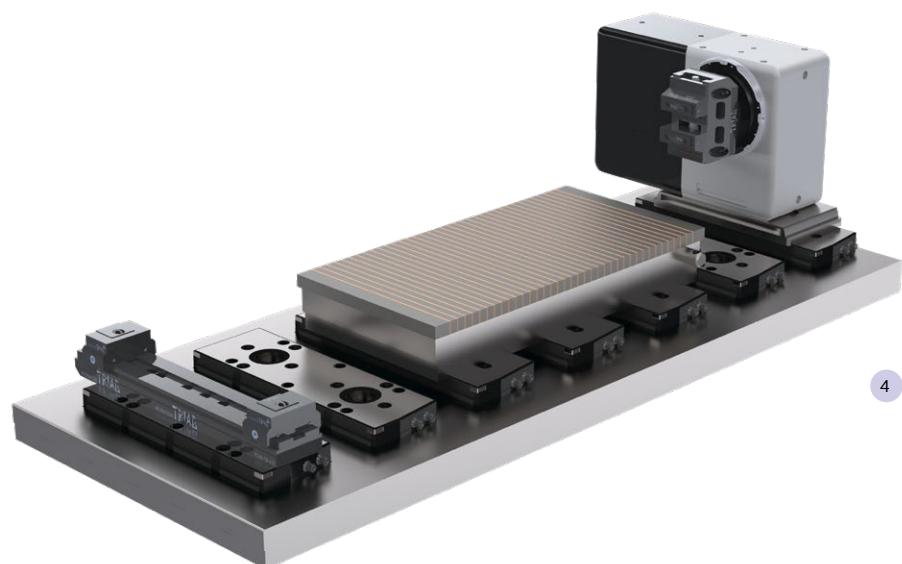
quick  
quick  
flexible  
flexible

... e.g. YOUR solution!

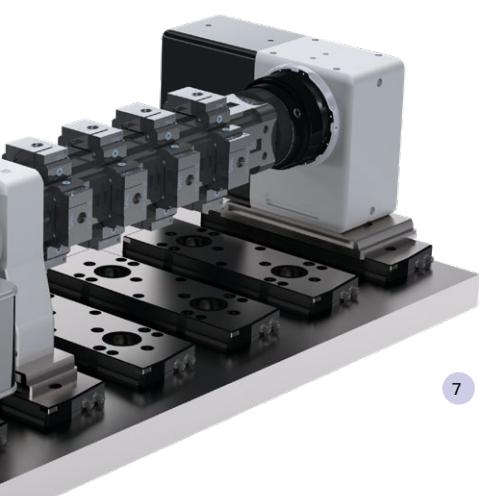
to 4 axes

to minutes.

figurations.  
original.  
d for pL.



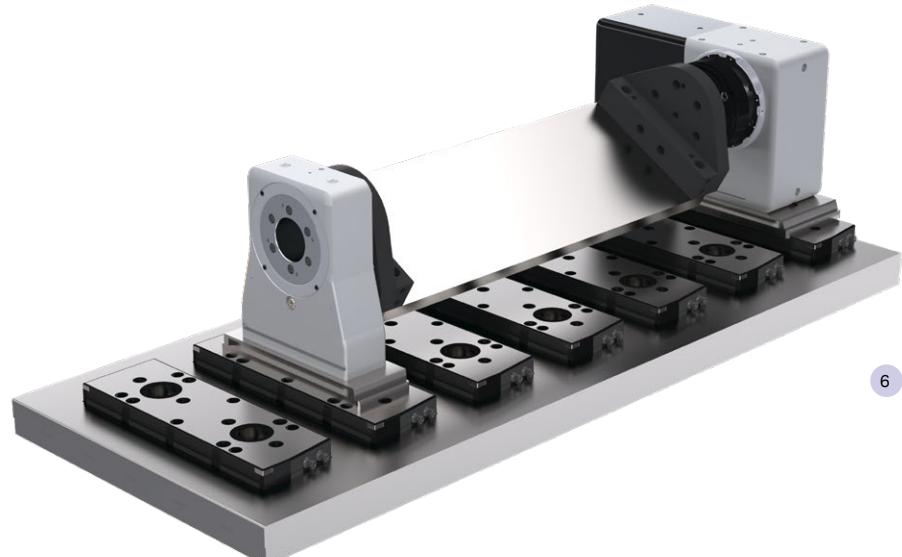
4



7



Minimized setup/  
changeover time



6

**FlexFlex<sup>®</sup>**

converted  
repurposed

... and many other versions ...



8

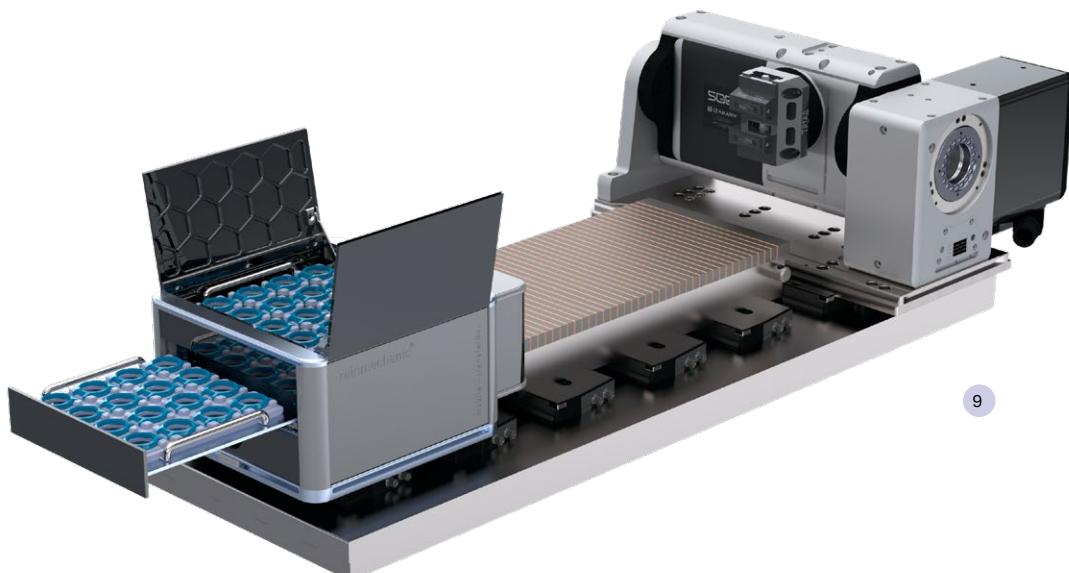
From 3 to  
8  
axes  
From 4 to

Minimized setup/  
changeover time



## Converted

MANY components  
ONE or  
Standard



9

quick  
quick  
flexible  
flexible  
repairs

... e.g. YOUR solution!

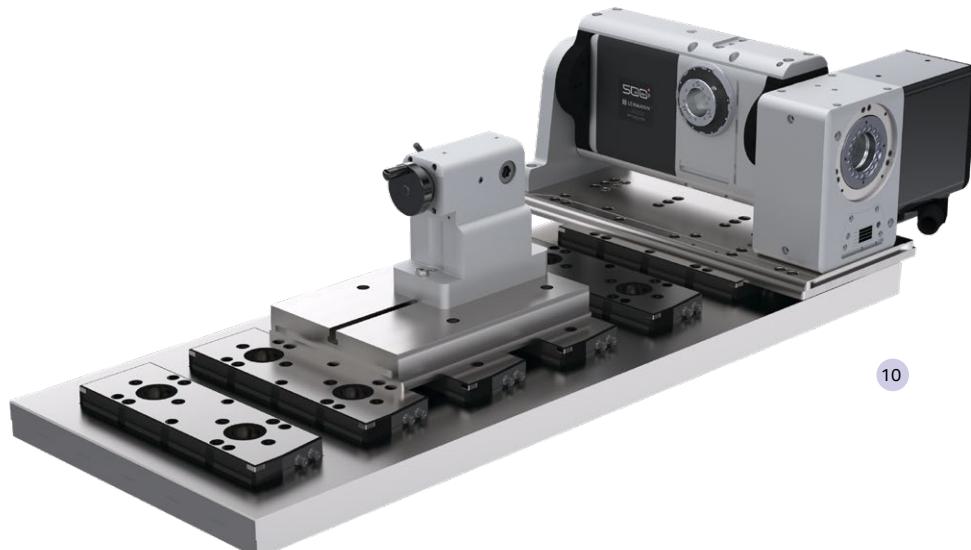
to 5 axes  
or  
to 5 axes

to minutes.

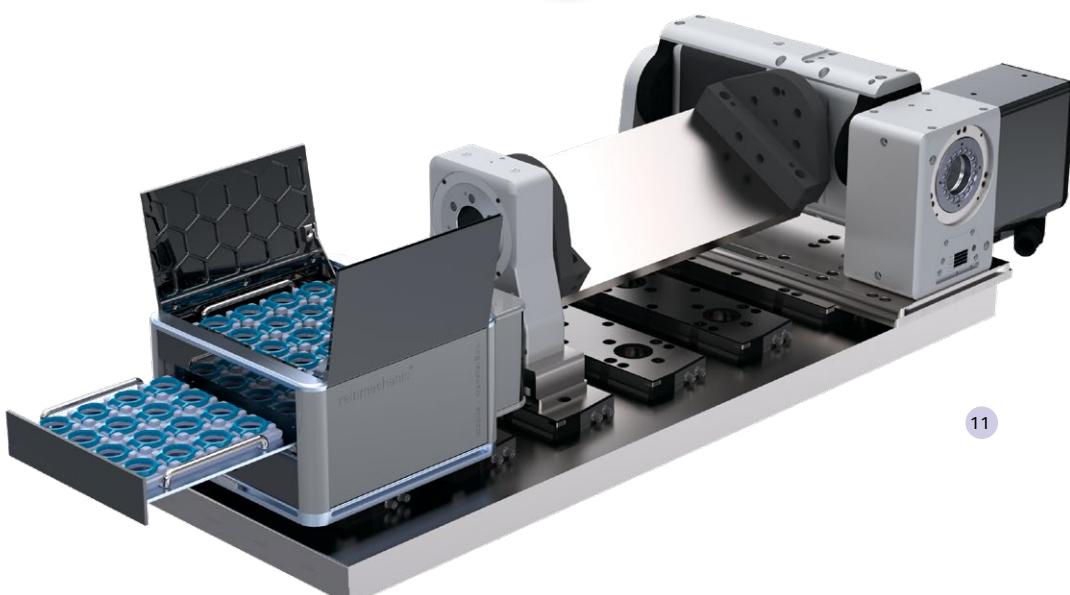
figurations.  
original.  
d for pL.

**FlexFlex<sup>®</sup>**

converted  
purposed

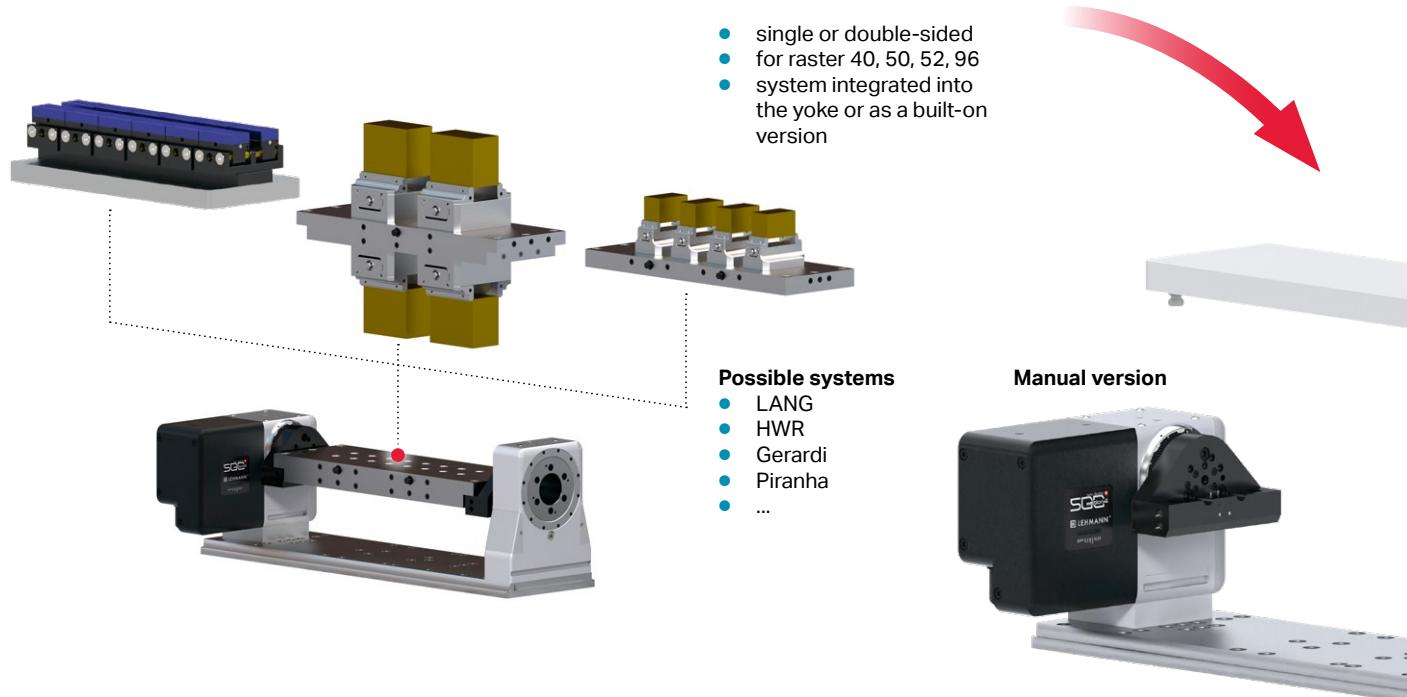


Minimized setup/  
changeover time

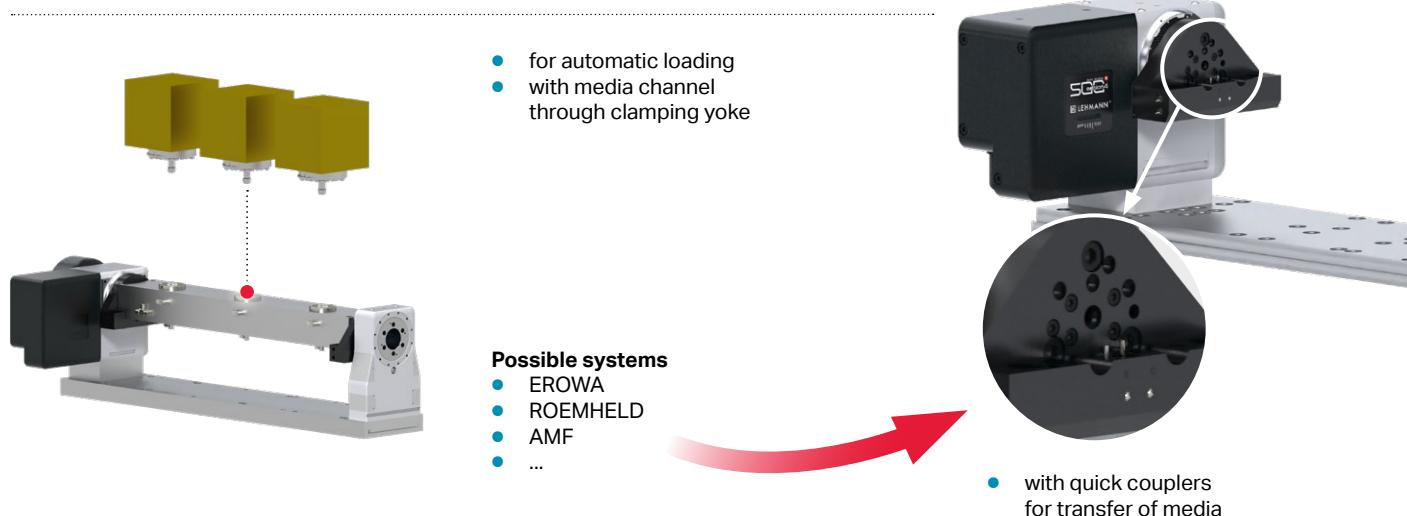


Potentials of clamping yokes with integrated or built-on zero point clamping system

## Yoke with manual zero point clamping system

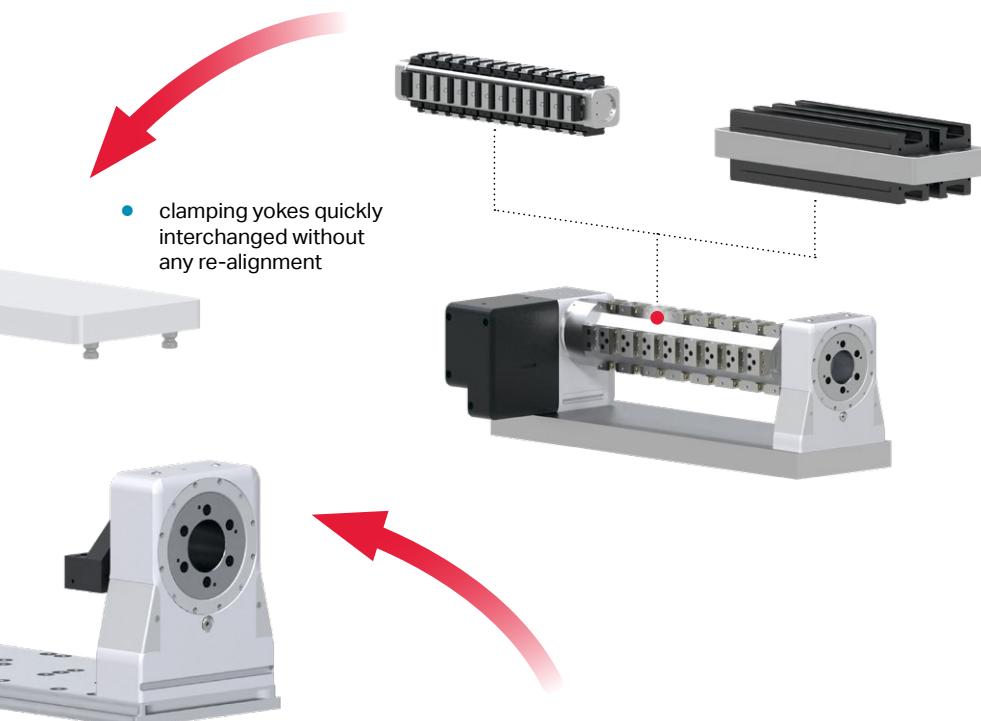


## Yoke with automatic zero point clamping system



Clamping yokes with hole pattern for individual mounting of clamping tools or with a flexibly adjustable rail system

### Yoke with rail system

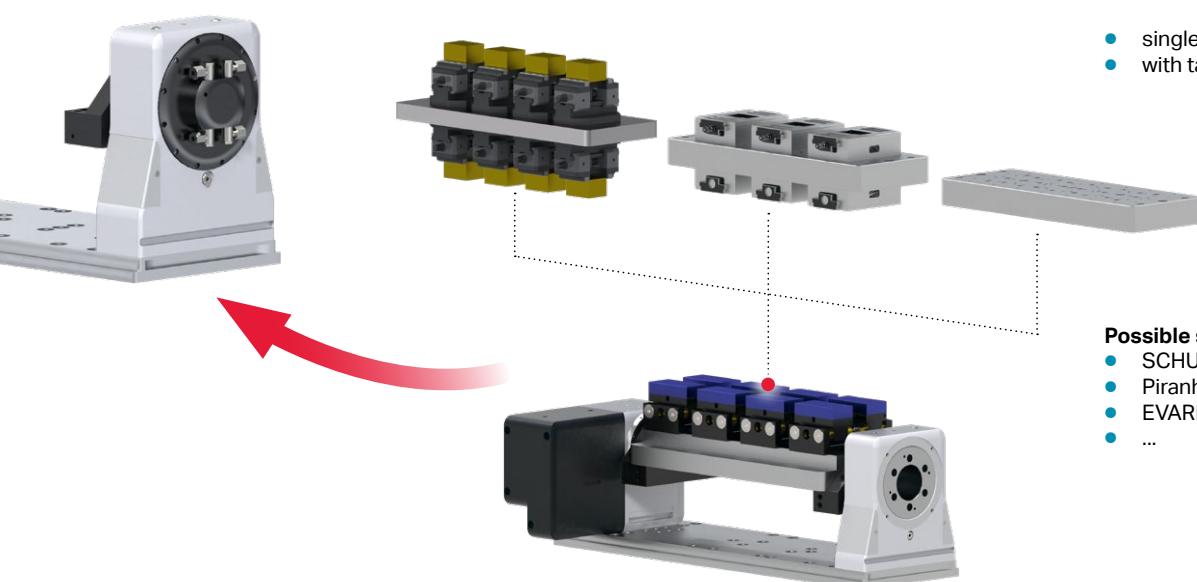


- vises moved without any re-alignment
- easily adaptable to suit part size

#### Possible systems

- SCHUNK
- TRIAG
- EVARD
- ...

### Yoke with bolted on clamping tools (manual or automatic)



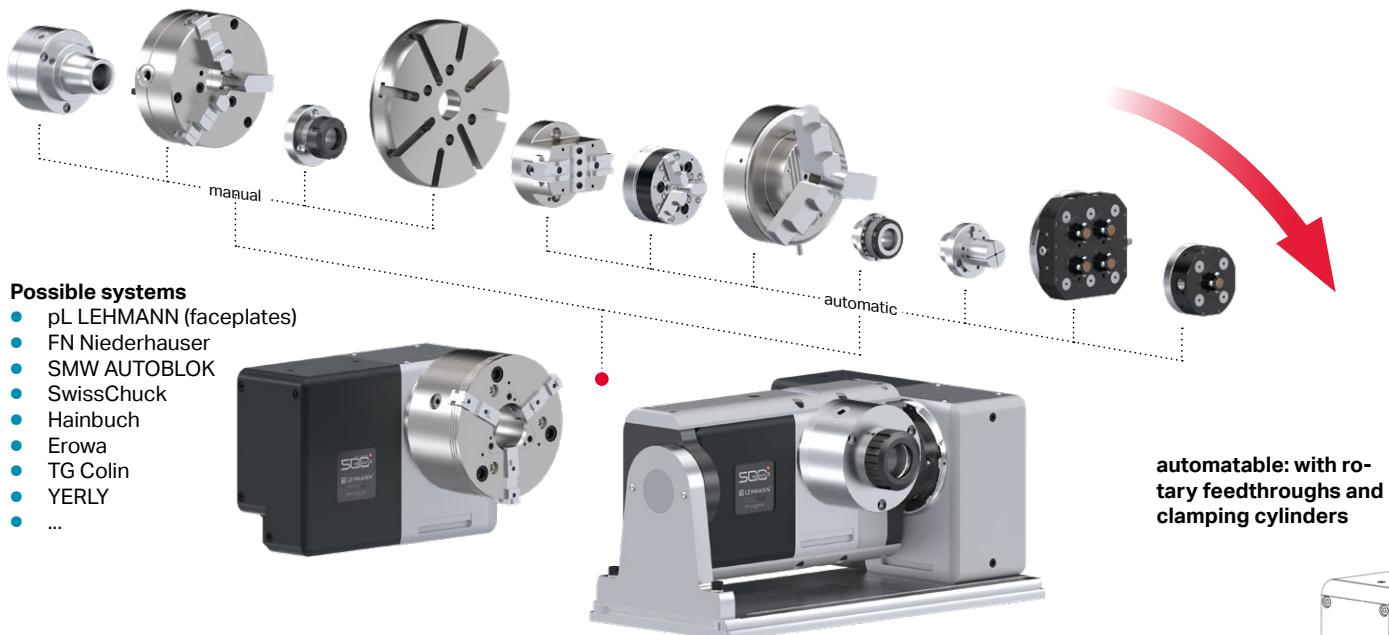
- single or double-sided
- with tapped hole pattern

#### Possible systems

- SCHUNK
- Piranha
- EVARD
- ...

From manual clamping tools for single item production through to fully automated systems

## Faceplates, force clamp and jaw chucks, collet chucks



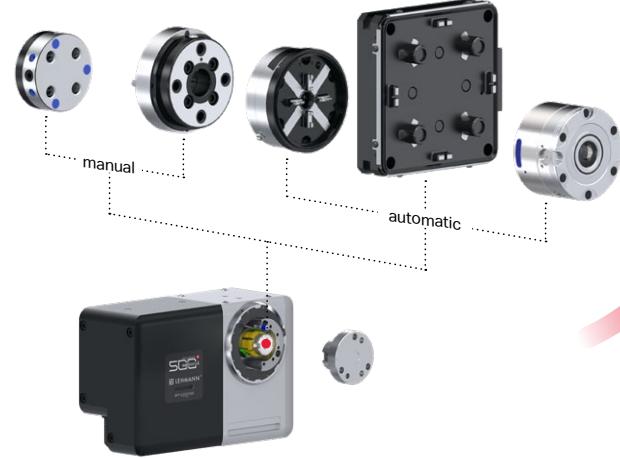
## Centric clamping unit



### Possible systems

- SCHUNK
- LANG
- Gressel
- Piranha Clamp
- EVARD
- TRIAG
- ...

## Zero point clamping systems

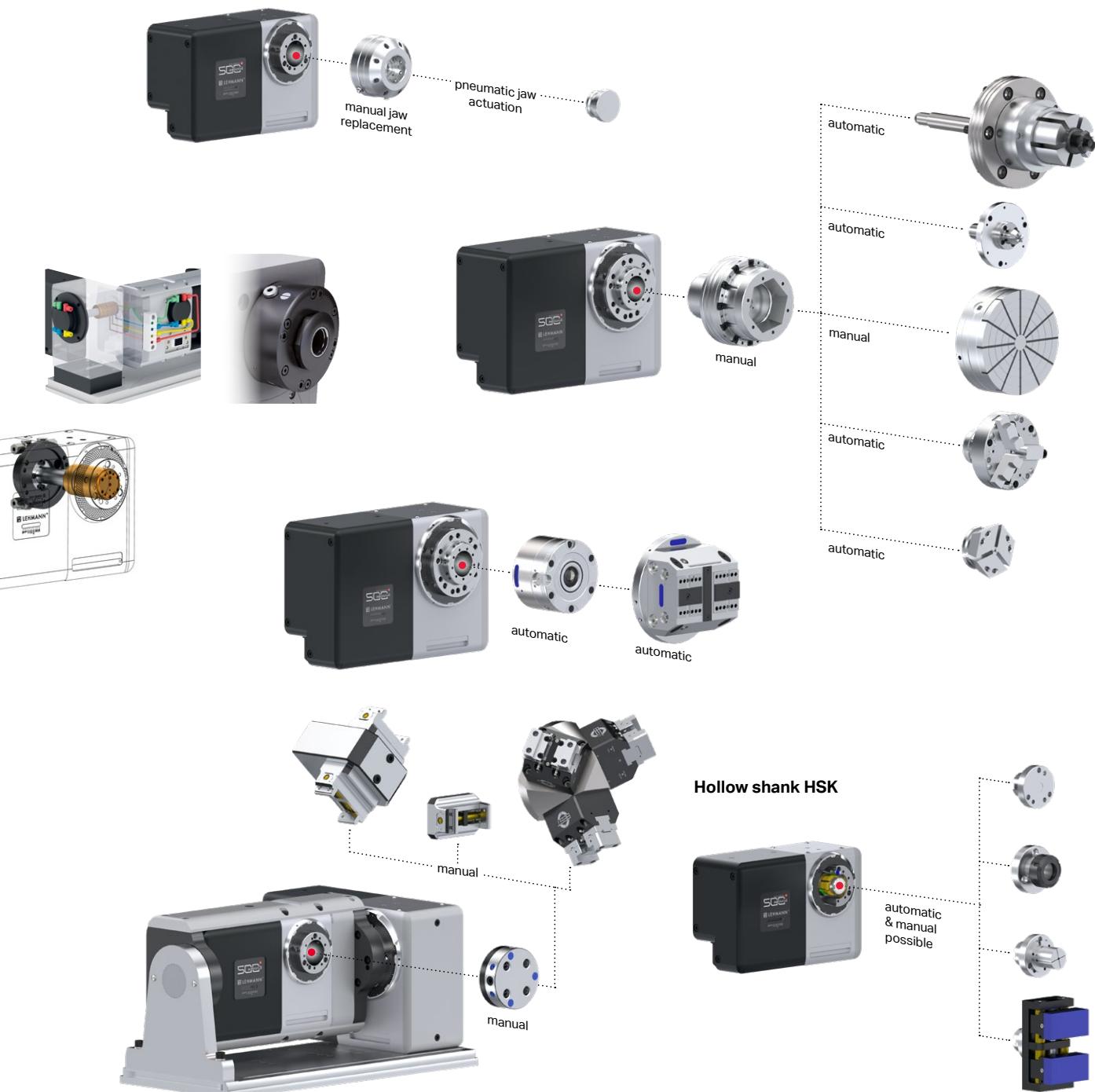


### Possible systems

- pL LEHMANN (ripas & CAPTO)
- Erowa
- System 3R
- Parotec
- Roemheld
- AMF
- SCHUNK
- LANG
- GRESSEL
- ...

Centering clamping unit for workpiece handling,  
built-on zero point clamping system for quick vise  
interchange

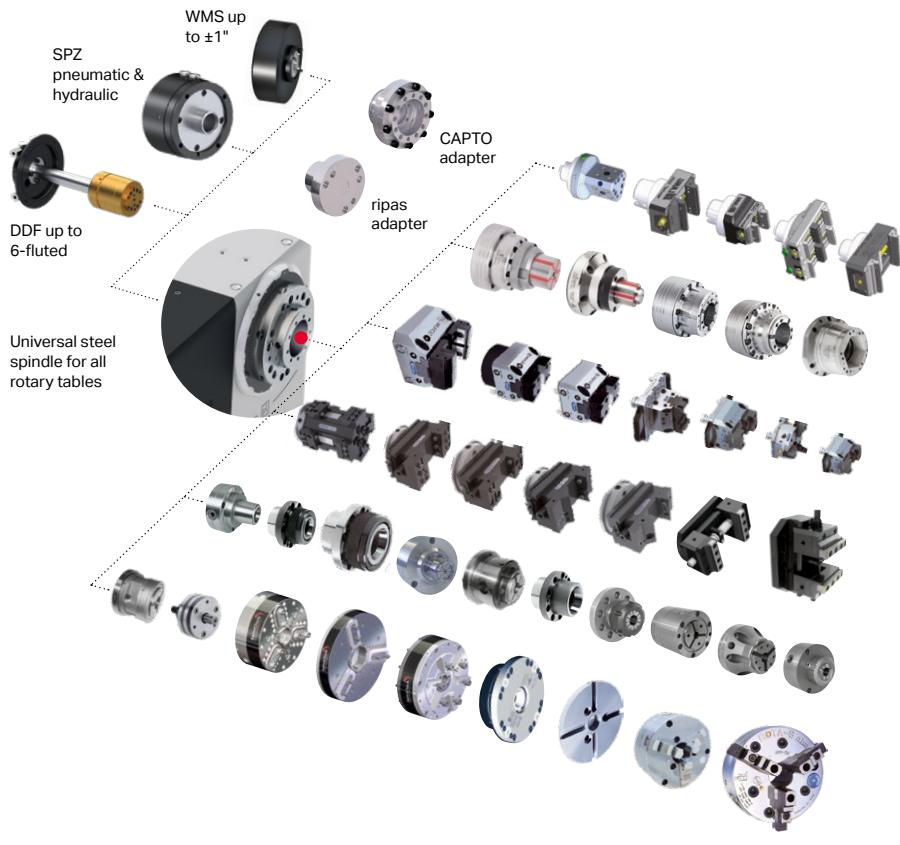
### Possible combinations



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

## Spindle accessories in rear

- Rotary unions **up to 250 bar**
- Hydraulic clamping cylinder **23 kN at 120 bar**
- Pneumatic clamping cylinder **11 kN at 10 bar**
- Direct measuring systems **up to  $\pm 1$  arcsec**



## Spindle accessories, front



## 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



Assembly areas with Kanban System



High precision circular and flat grinding



Material is in flow



ROTARY SOLUTIONS > MACHINE TOOLS & METROLOGY

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