

Automation with pL LEHMANN

LM Processes

Manufacture efficiently with automation

2025

Automation

2025/03 | EN

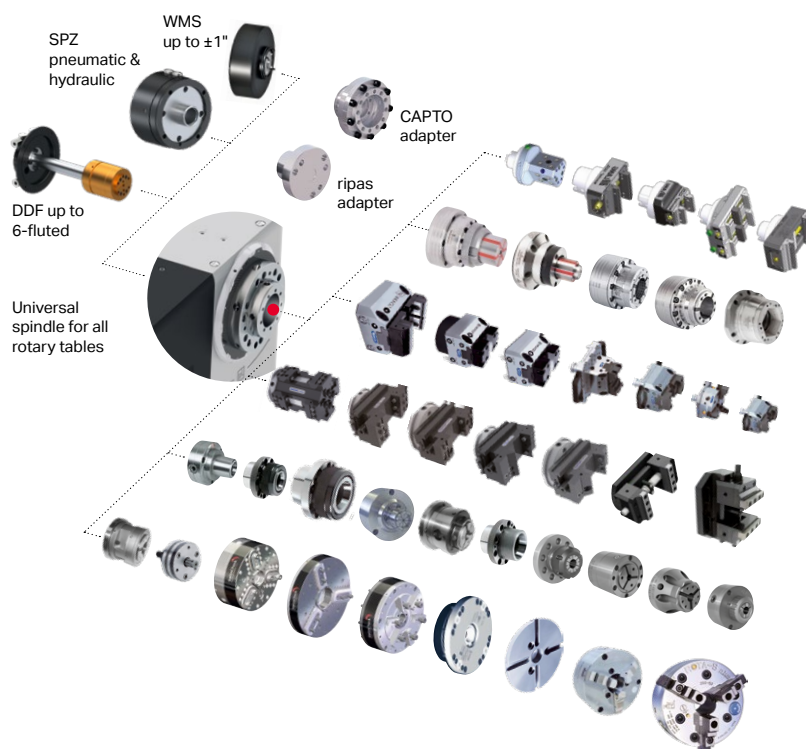
Many clamping options –
High level of flexibility –
Easy automation



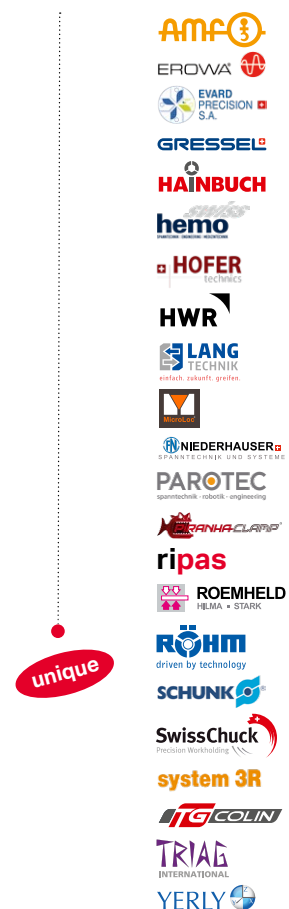
Extremely wide assortment for workpiece clamping.
Standardized interface at front and rear:
Maximum universality

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 ± 1 arcsec**

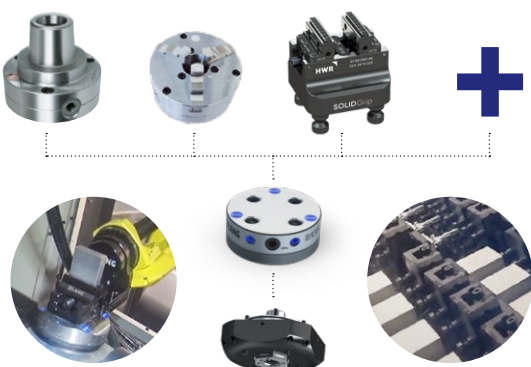


Spindle accessories in front

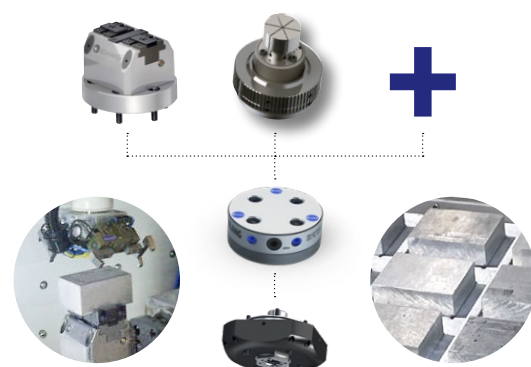


Diverse array of workpiece clamping combinations – Makes chaotic automation possible

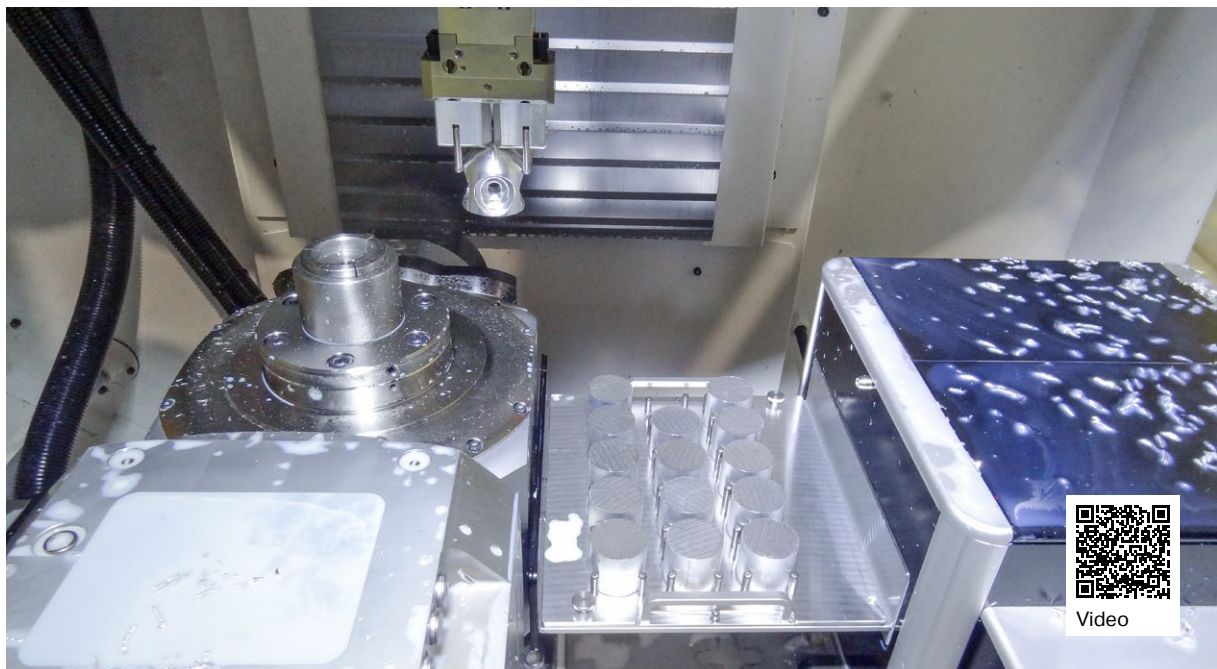
Clamping device handling and ...



... Workpiece handling



Highest level of flexibility. Chaotic part production possible.
From small to large and 3-axis and 5-axis combined

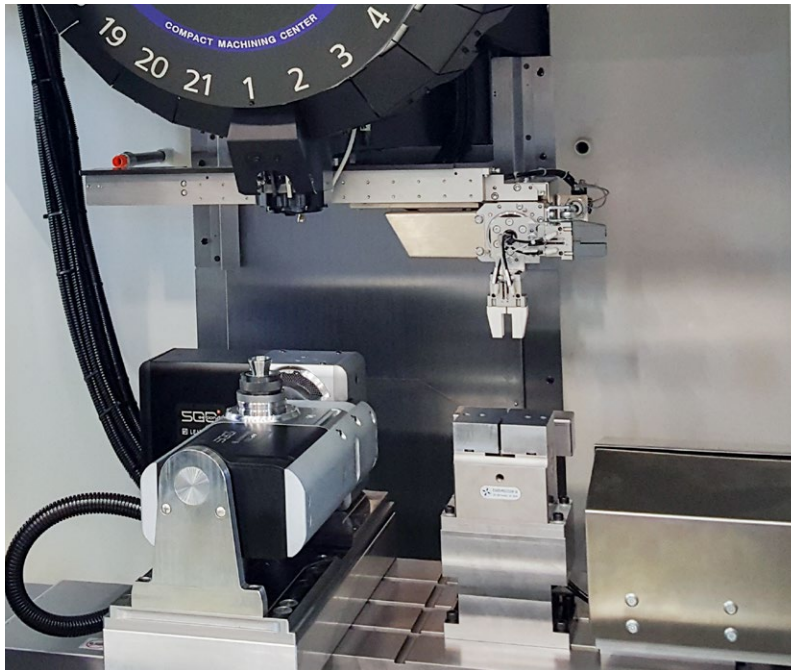


Simple loading and unloading using grippers in spindle and ROTOMATION box.

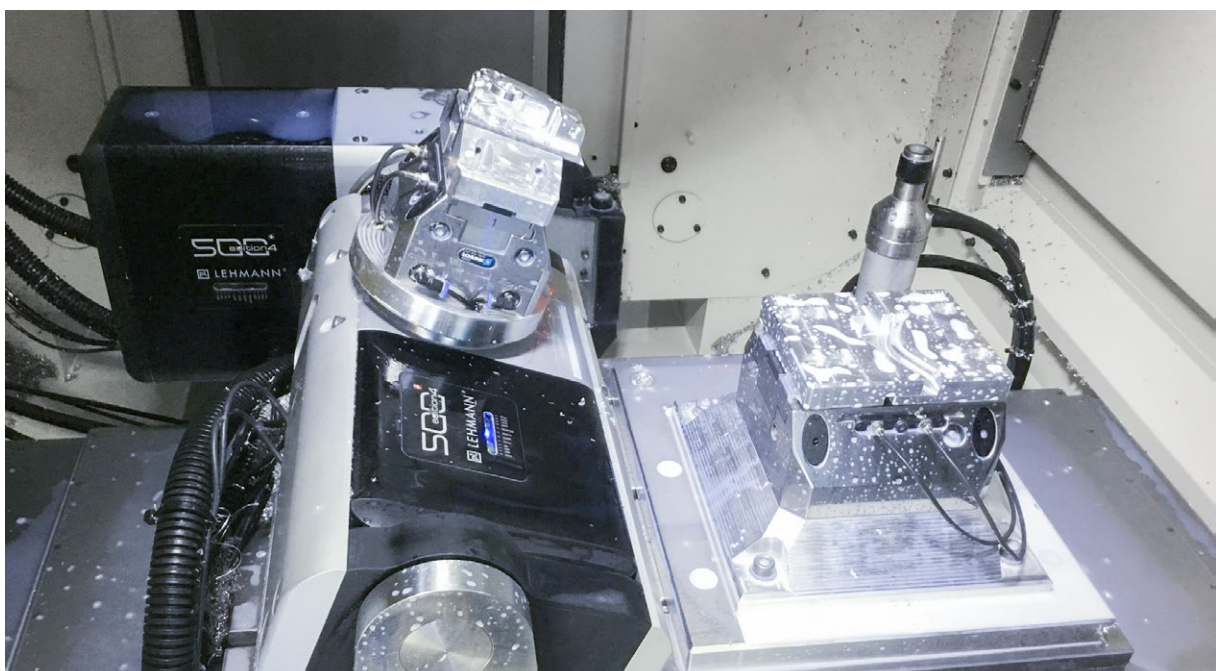


Production of large boards or complex valve blocks on the same machine.

CNC rotary tables for efficient production

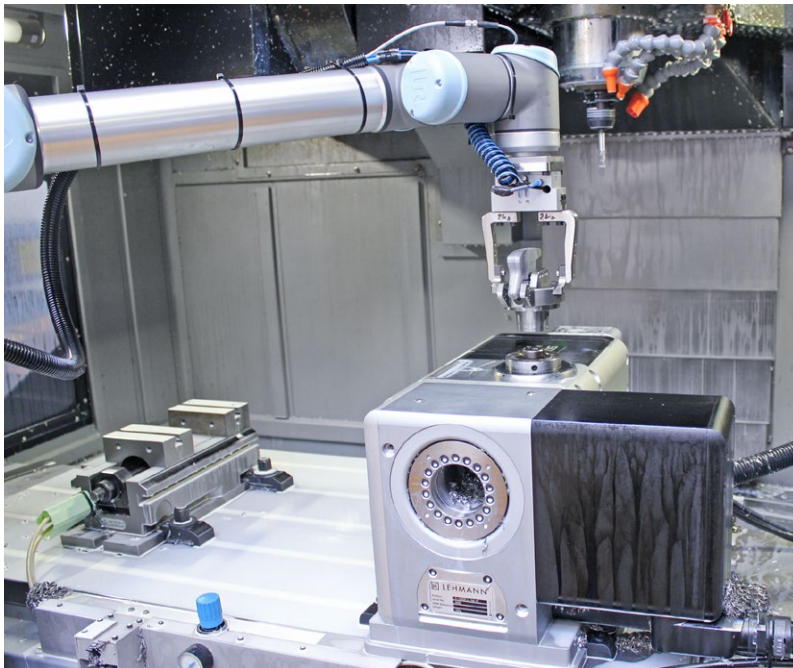


Space for indoor automation thanks to compact rotary tables. CE certification not required.



Very compact, enabling full 6-side processing – even automated

Complex workpiece geometries require diverse, flexible workpiece clamping and movements in the machine compartment

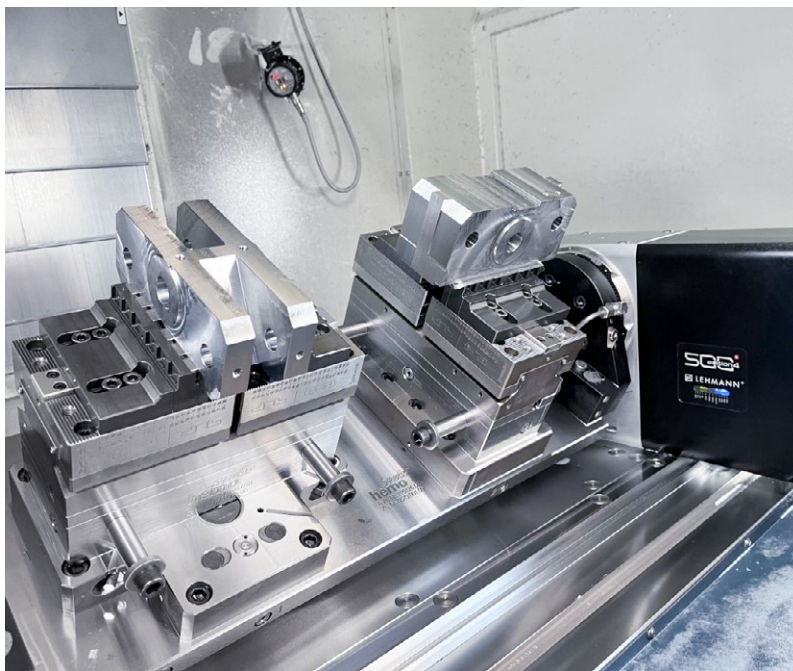


Clamping device automation with HSK ripas adapter. Very compact with high repeat accuracy.

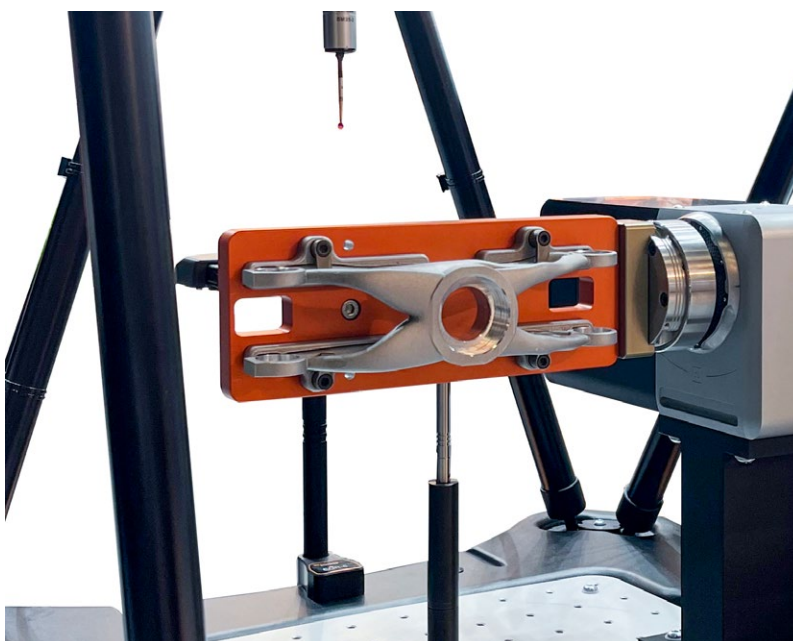


Raw part handling on a compact machine.

Thanks to a high degree of standardization, pL LEHMANN offers appropriate, efficient solutions for wide-ranging applications

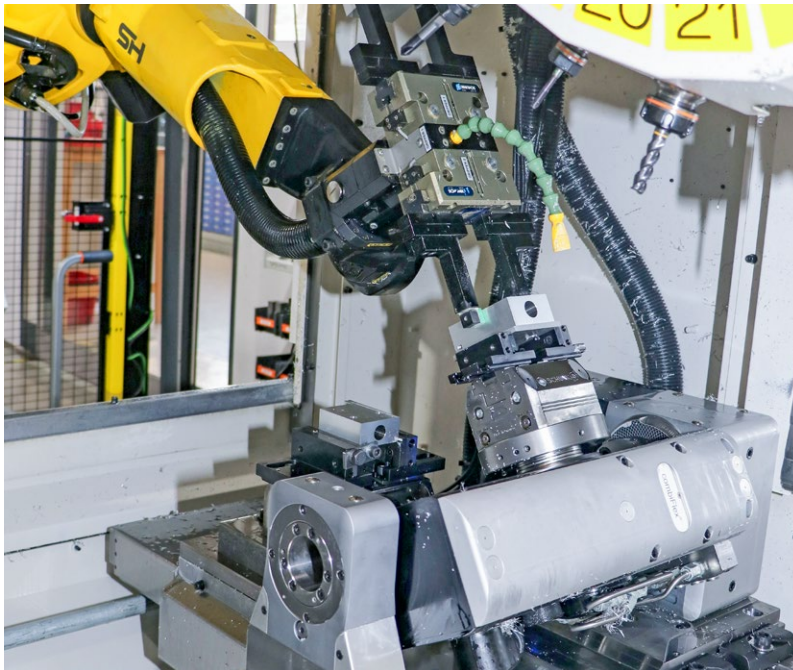


Automated 3+3-side processing. 2 clamping setups = 1 finished component.

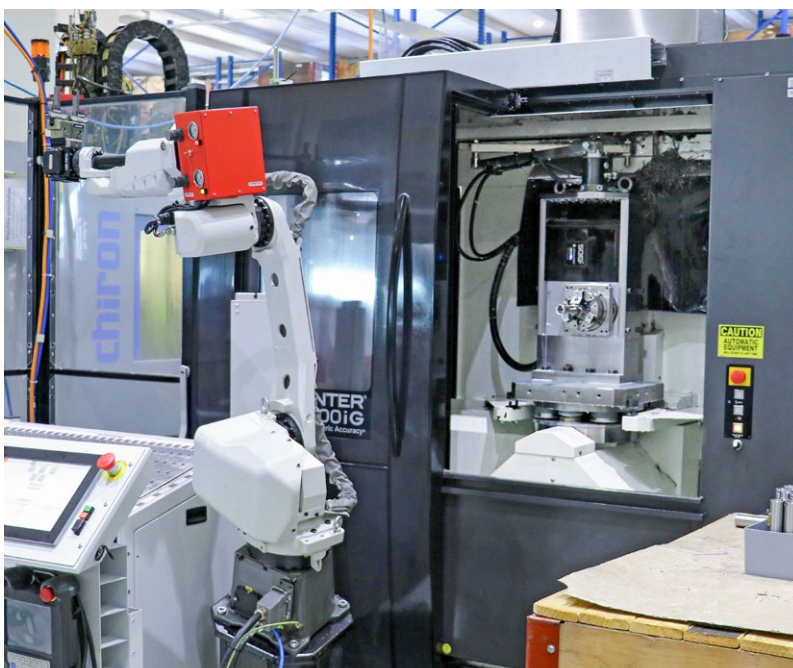


Workpiece testing and horizontal measurement with pL LEHMANN and RENISHAW EQUATOR – now possible unmanned.

In the processing stage, or still setting up?
Up to 30% shorter changeover times with pL LEHMANN
increase productivity and efficiency



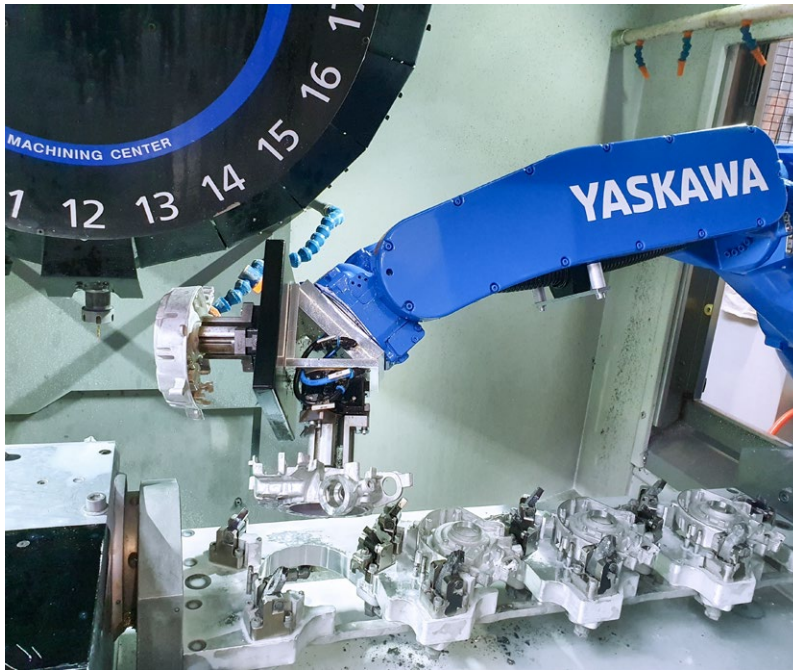
Raw part automation with centric clamping unit.



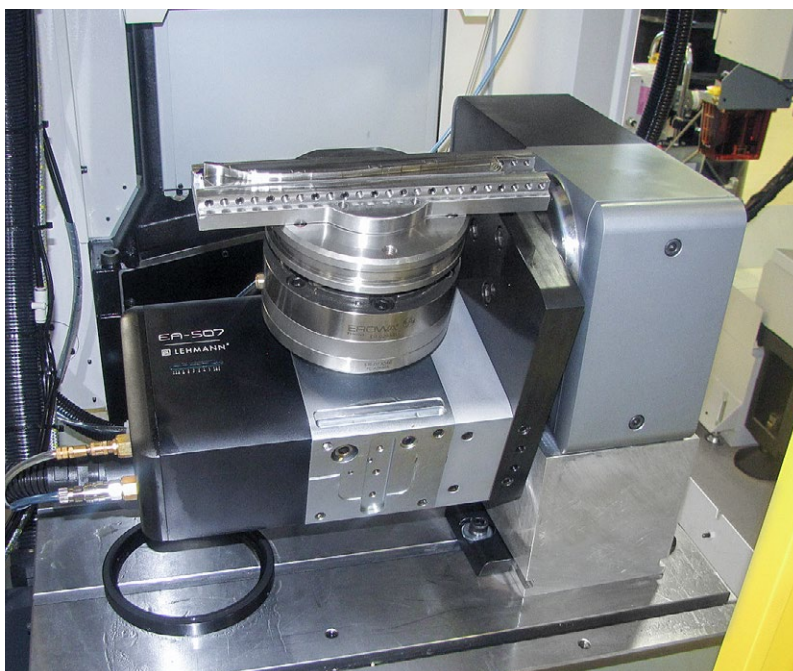
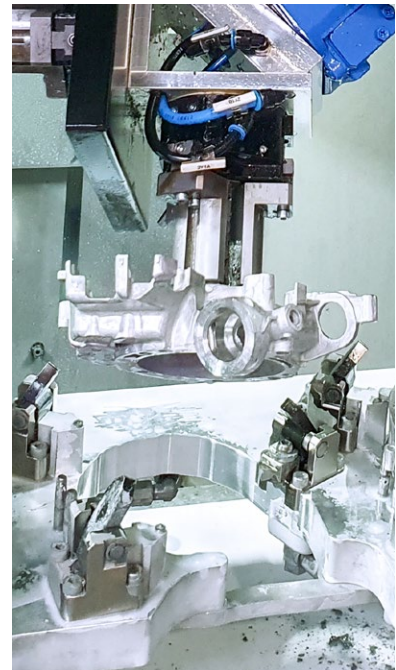
A 4-axis machine becomes a 5-axis one. Thanks to pL LEHMANN.



The user can implement automation gradually:
for example, starting with manual
loading, then simple linear feed systems
and finally fully robotic production



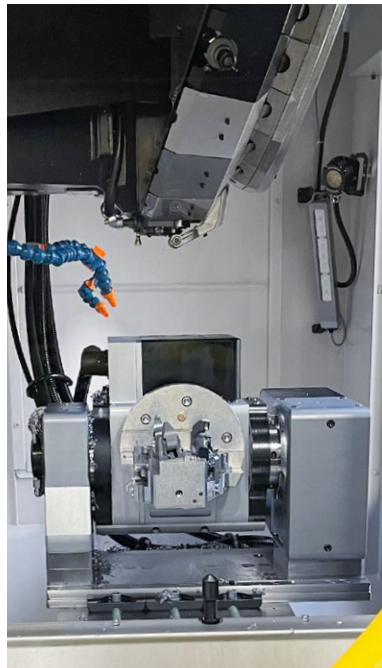
Swivel bridge with rocker arms, can be loaded by robot.



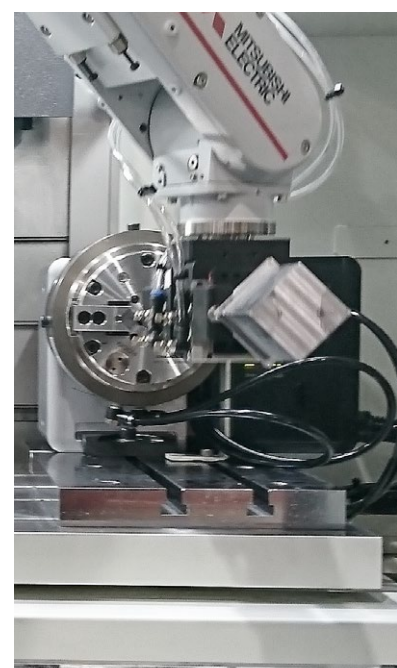
Anything is possible. The pL LEHMANN interface offers an incredible number of clamping options.



Interfaces to different clamping systems, in addition to the appropriate clamping cylinders (pneumatic or hydraulic) and rotary unions, as well as stroke and pressure monitoring. A wide range of building blocks is available

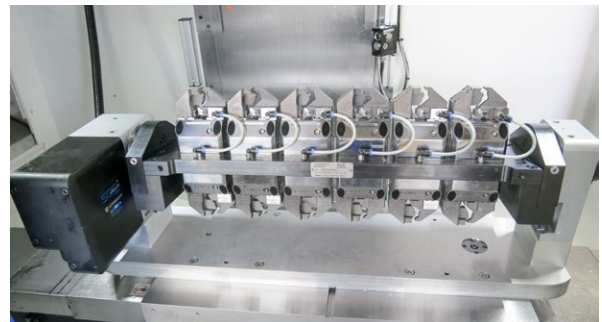
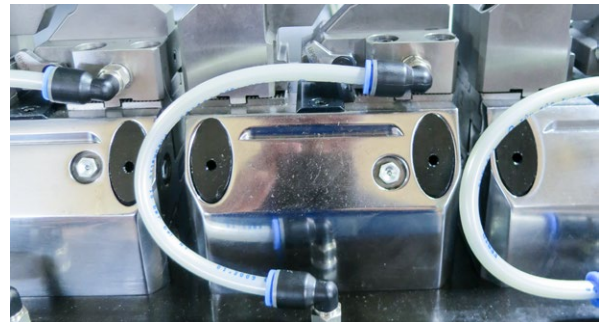
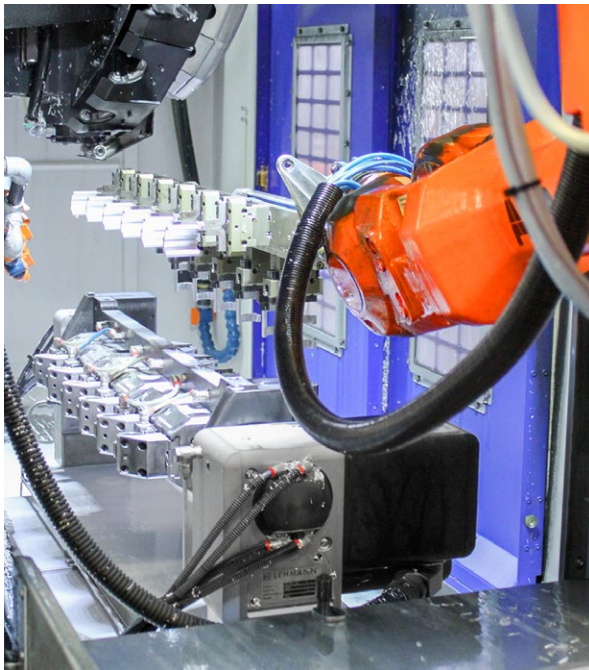


Even more compact with the "ABOVE" (OLL/ORR) design. And don't forget the robot.

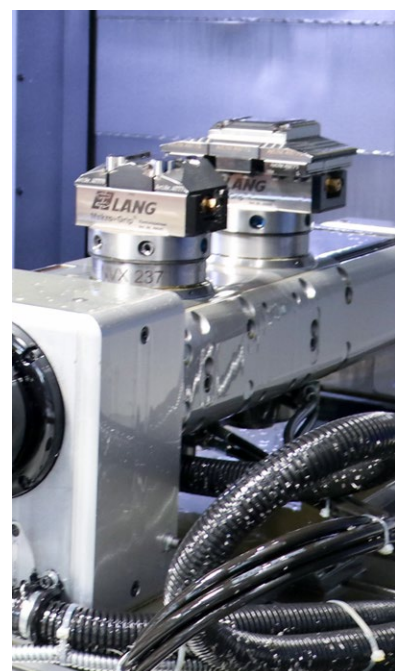
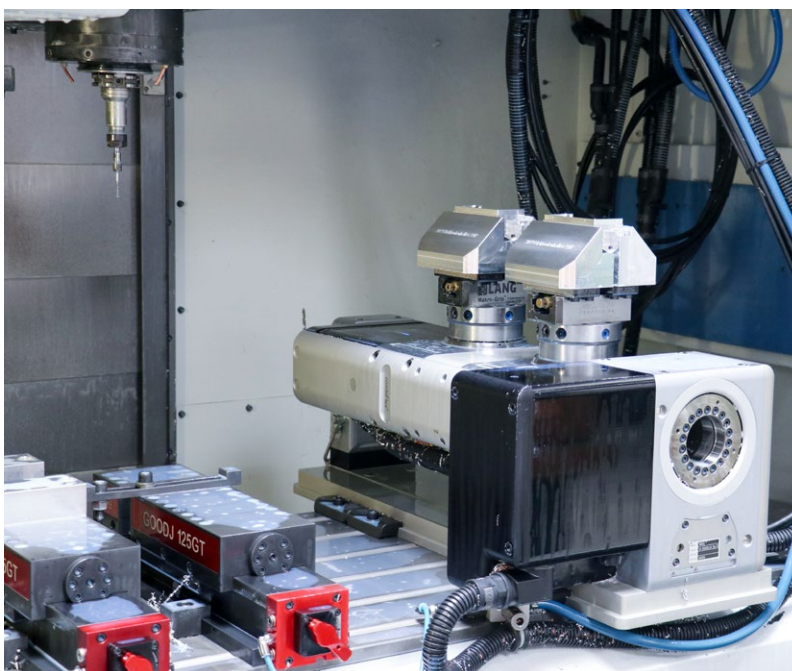


Grinding is also possible with pL LEHMANN and robots.

Additional CNC axes turn contract manufacturers into high achievers



Multiple raw part loading units automated on swivel bridge.



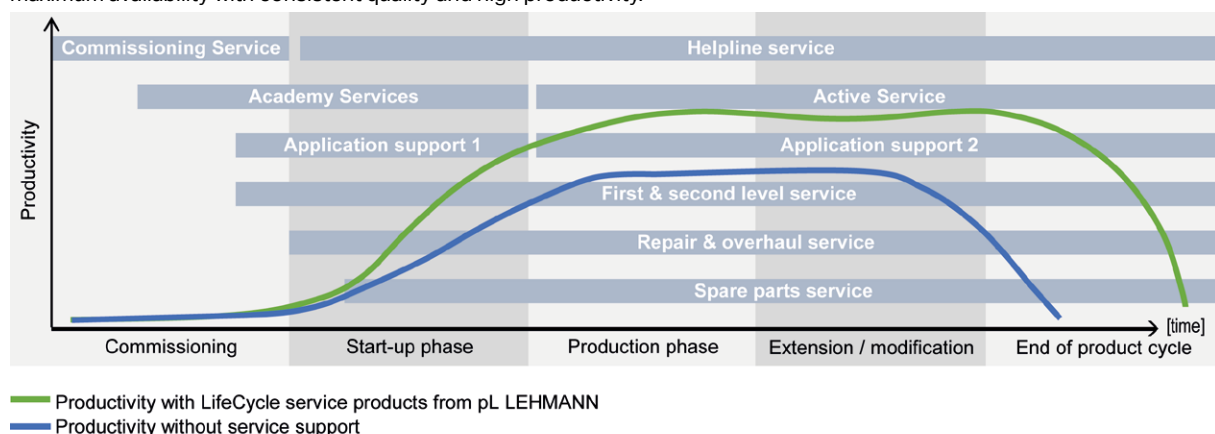
Cycle times are also shortened using a double-spindle system.

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



Increase productivity – Extend life cycle

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





ROTARY SOLUTIONS › MACHINE TOOLS & METROLOGY

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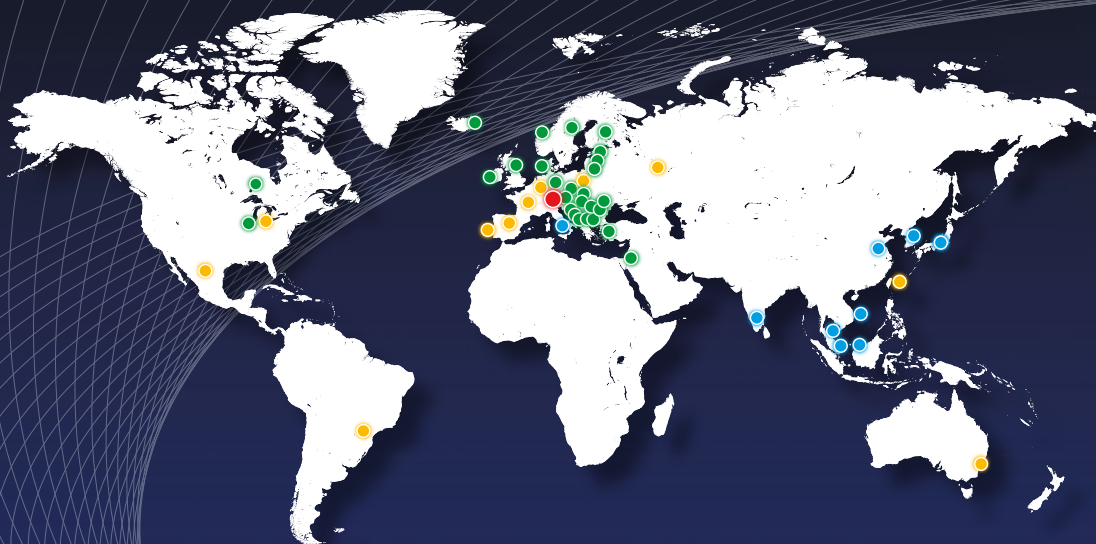
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More information (address, telephone number, etc.) at www.lehmann-rotary-tables.com