

# Innovative automation solutions for your machine tool

---

High dynamic systems from CNC control to  
motor spindle

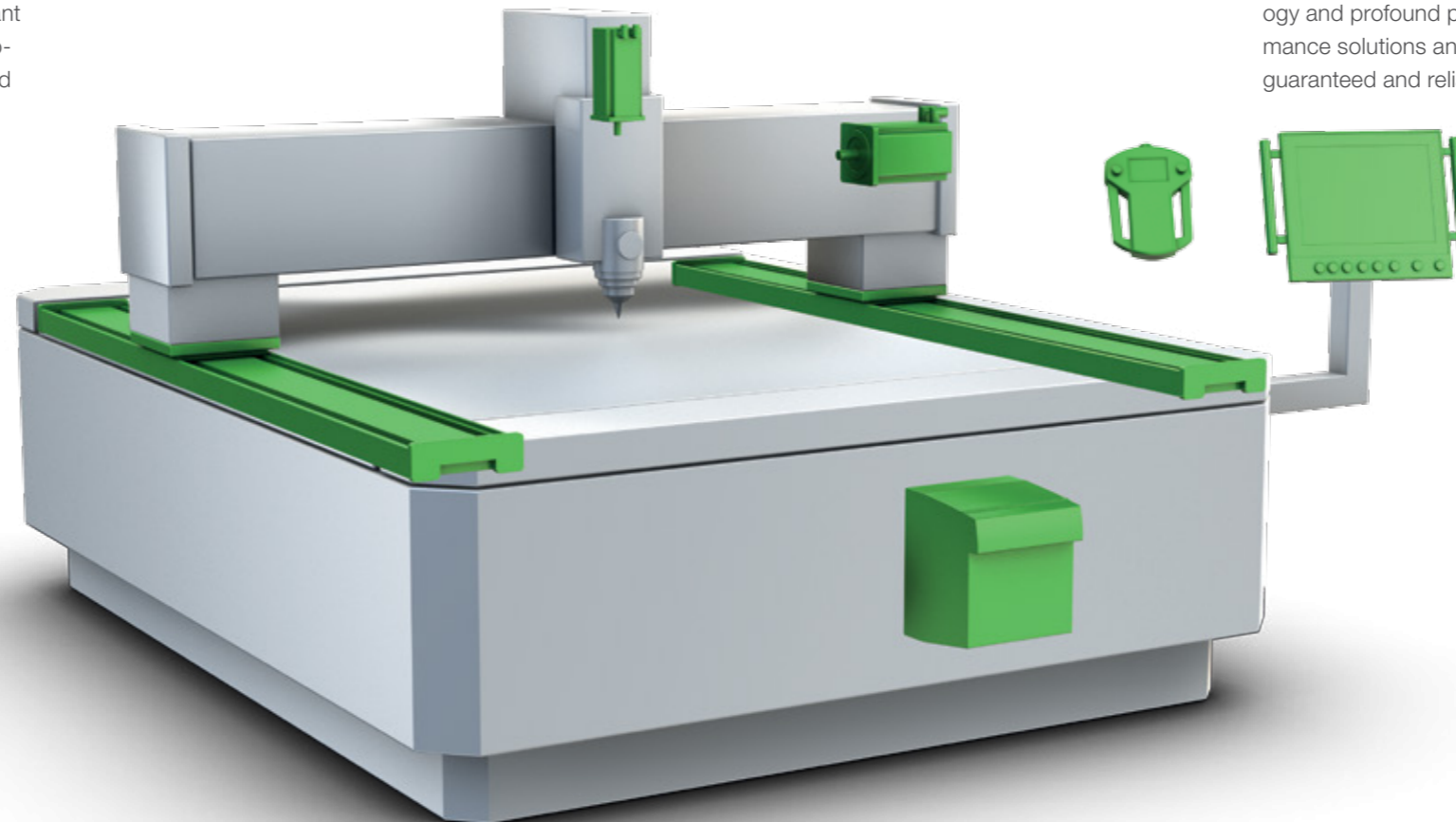
# Precision and dynamics at the key points of your machine

## Solutions from one source

Demanding CNC systems from a single source and produced by the firm itself – this is what LTI Motion stands for. From high-end CNC controls with their own CNC core, safety solutions to spindles via triple-axis controllers, if you want holistic machine solutions or individual components for demanding applications, you can find them here at LTI Motion.

- + CNC controls
- + HMI
- + Visualisation
- + Safety
- + Servo controllers
- + Engineering tools
- + Motors
- + Spindles
- + Magnetic bearing spindles
- + Built-in motors

*New options for your machine from the system provider.*



## 40 years' experience with machine tools

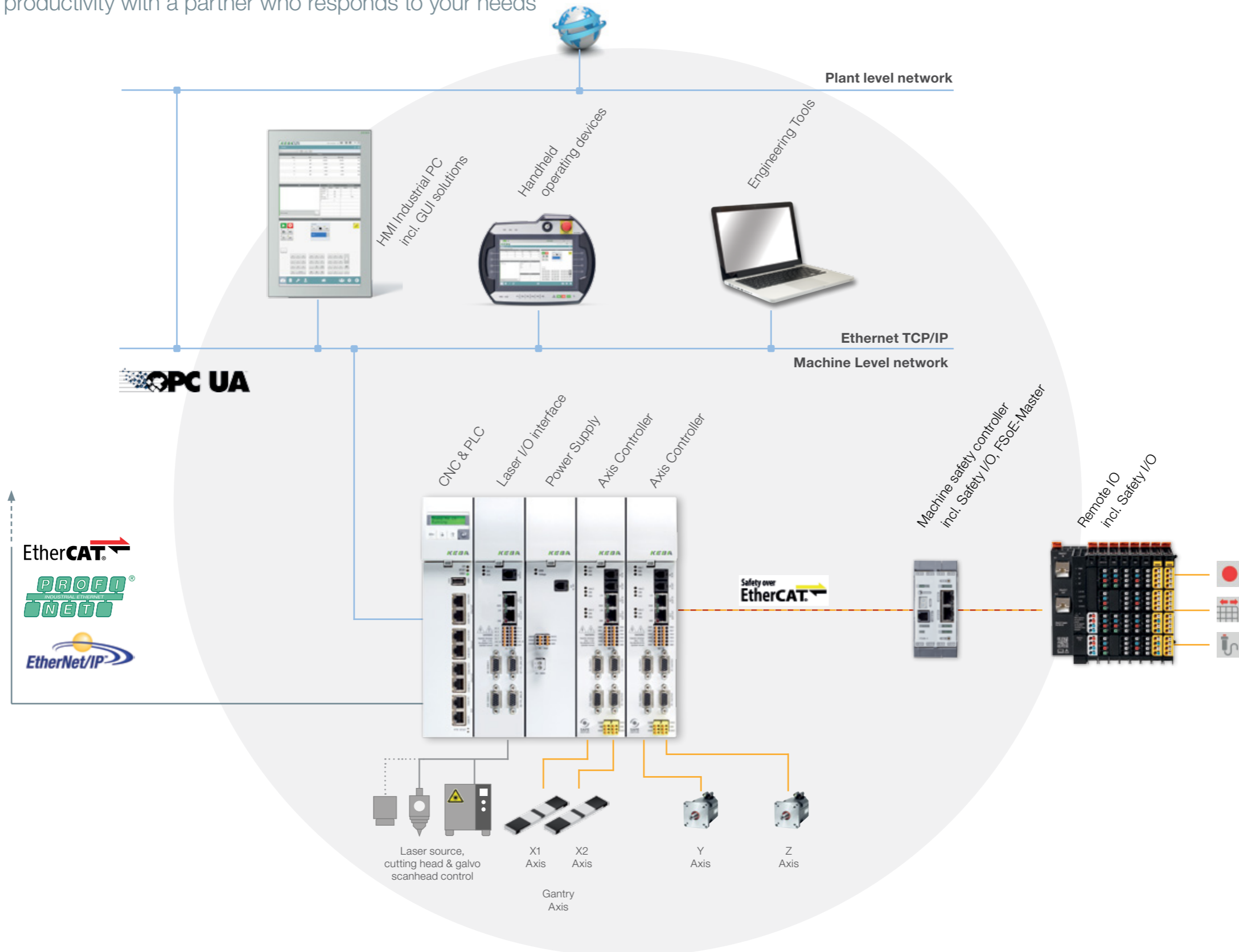
For decades, we have worked side by side with our customers. We have one goal: to work together with you to make your machine tool better. Our approach of driving forward innovations in a cooperative way is reflected in our value proposition of „Automation by innovation“. With our automation technology and profound process knowledge, we want to jointly develop high-performance solutions and ensure your competitiveness. In a way that's sustainable, guaranteed and reliable.

- + 40 years' experience with machine tools
- + Machine knowledge
- + Process knowledge
- + Co-innovation
- + Equal partners
- + Inspiration
- + Mid-sized sector
- + Flexibility
- + Global leaders as customers

*Experts who respond to your needs.*

# Safe and scalable CNC machine solutions

Highest productivity with a partner who responds to your needs



# Innovation portfolio

Solutions that do not just move your machine –  
Technologies that accelerate your pulse



- ✓ **All-in-One CNC Automation Systems**  
Compact, safe and modular with fast system assembly.



- ✓ **CNC controls with industry-specific technology**  
Own CNC core for highest productivity and flexibility.  
CNC-controlled I/O modules, e.g. for laser control, allow for short reaction times and a precise machining process.



- ✓ **Servo controller with universal multi-motor interface**  
Three-, two- and single-axis controllers for precision and dynamics.  
AC/AC and DC/AC multi-axis systems.



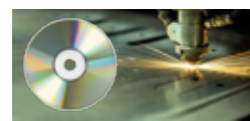
- ✓ **Scalable safety controls and I/O assemblies**  
Programmable SIL3/PLe safety controllers paired with a large variance of decentralised I/O modules in IP20 and IP65.



- ✓ **HMI Panels and Visualization**  
Mobile or stationary, keyboard or multi-touch operation, wired or wireless.



- ✓ **Servo & Linear Motors, Motor spindles**  
From 0.1 to 1,344 Nm (rotary) and 10 to 3,000 Nm (linear).  
Motor spindles for highest demands, standard or customized.



- ✓ **Software solutions for control and visualization**  
Industry-focused CNC technologies, motion and robotics in a single controller. Adaptable GUI/HMI solutions.



- ✓ **Usability**  
Quick and easy project planning, programming and diagnostics with application-oriented software tools.

# Industry-optimized solutions

## Grinding



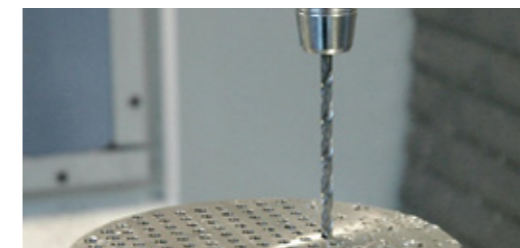
Grinding and high-speed grinding processes require extremely precise and reliable solutions. LTI Motion offers various solutions for demanding customers which range from individual spindles, via coordinated packages with additional servo controllers to complete automation systems.

## Laser processing



Safe, compact and energy-efficient automation systems with their own flexible CNC core provide maximum performance for your laser- and micro-processing machines. Best precision, even at high speeds, is guaranteed by our contour-synchronous laser control.

## 6D drilling – vibration-assisted drilling



Vibration-assisted 6D drilling with magnetic bearing spindles has brought about a completely new drilling process, resulting in shorter chips and fewer burrs as well as increased process speed and drill hole quality. The integrated sensor technology also enables intelligent process control with material detection.

## Individual system solutions for machine tools



Our individual system solutions for the most diverse of industries satisfy the highest precision and dynamic standards. Thanks to the perfectly harmonized components of our modular system, we have everything you need to realize your customized and innovative machine.

# Fit for the future through bundled competencies

KEBA AG is an internationally successful electronics company with headquarters in Linz/Austria and locations worldwide. For 50 years, KEBA has been developing and producing according to the claim „Automation by innovation“ innovative automation solutions of the highest quality for a wide variety of industries.

LTI Motion GmbH, a technologically leading German supplier of drive solutions, has been part of the KEBA Group since the end of 2018. Both companies have years of experience in the areas of control and safety technology as well as servo drive technology. The bundled competencies result in complete solutions from a single source - appropriate for the respective industries.

[www.keba-lti.com](http://www.keba-lti.com)



**KEBA AG Headquarters**, Gewerbepark Urfahr, 4041 Linz/Austria,  
Phone: +43 732 7090-0, Fax: +43 732 730910, [keba@keba.com](mailto:keba@keba.com)

**LTI Motion GmbH**, Gewerbestraße 5-9, 35633 Lahnau/Germany  
Phone: +49 6441 966-0, Fax: +49 6441 966-137,  
[info@lti-motion.com](mailto:info@lti-motion.com)

#### **KEBA Group worldwide**

China • Germany • India • Italy • Japan • Netherlands  
Austria • Romania • Switzerland • South Korea • Taiwan  
Czech Republic • Turkey • USA

