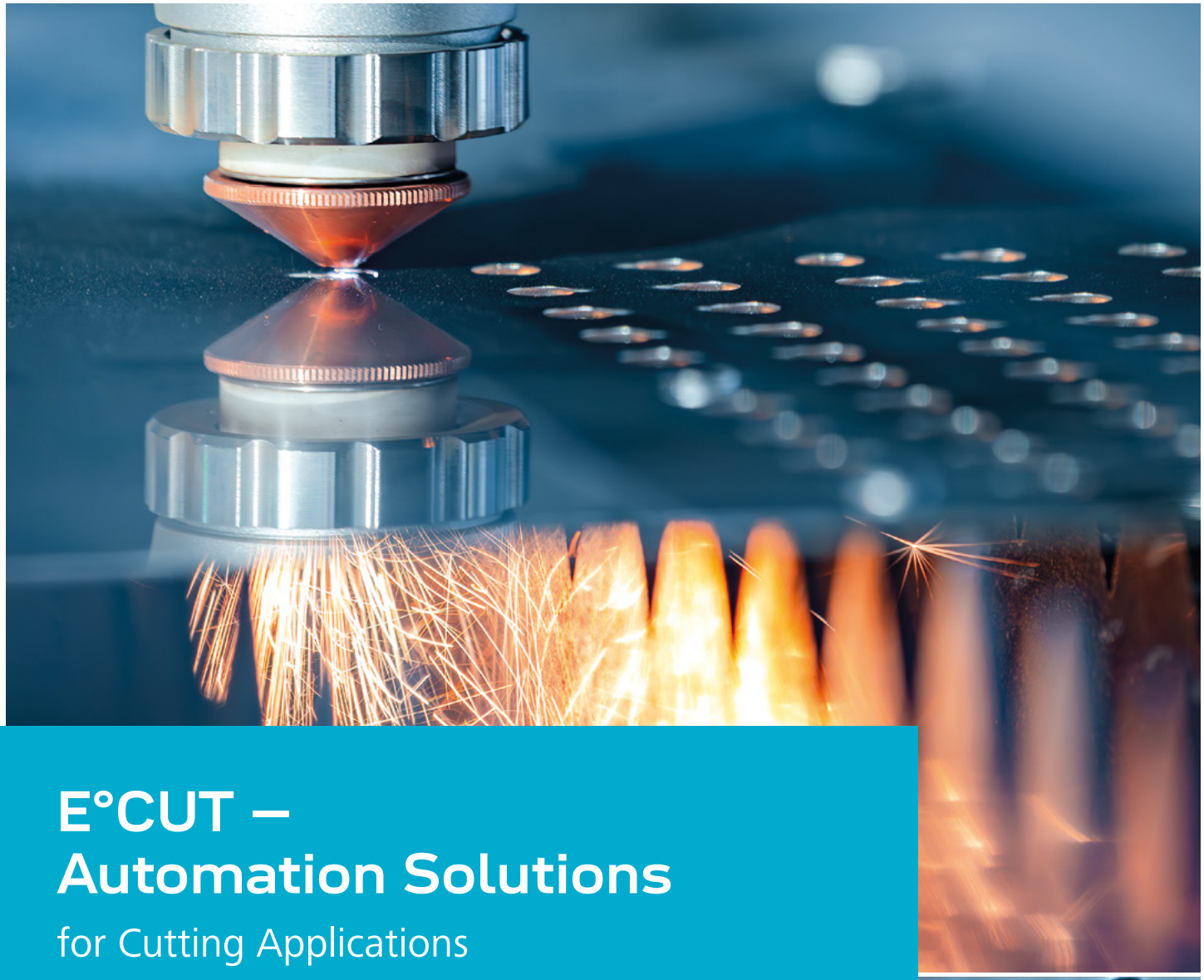
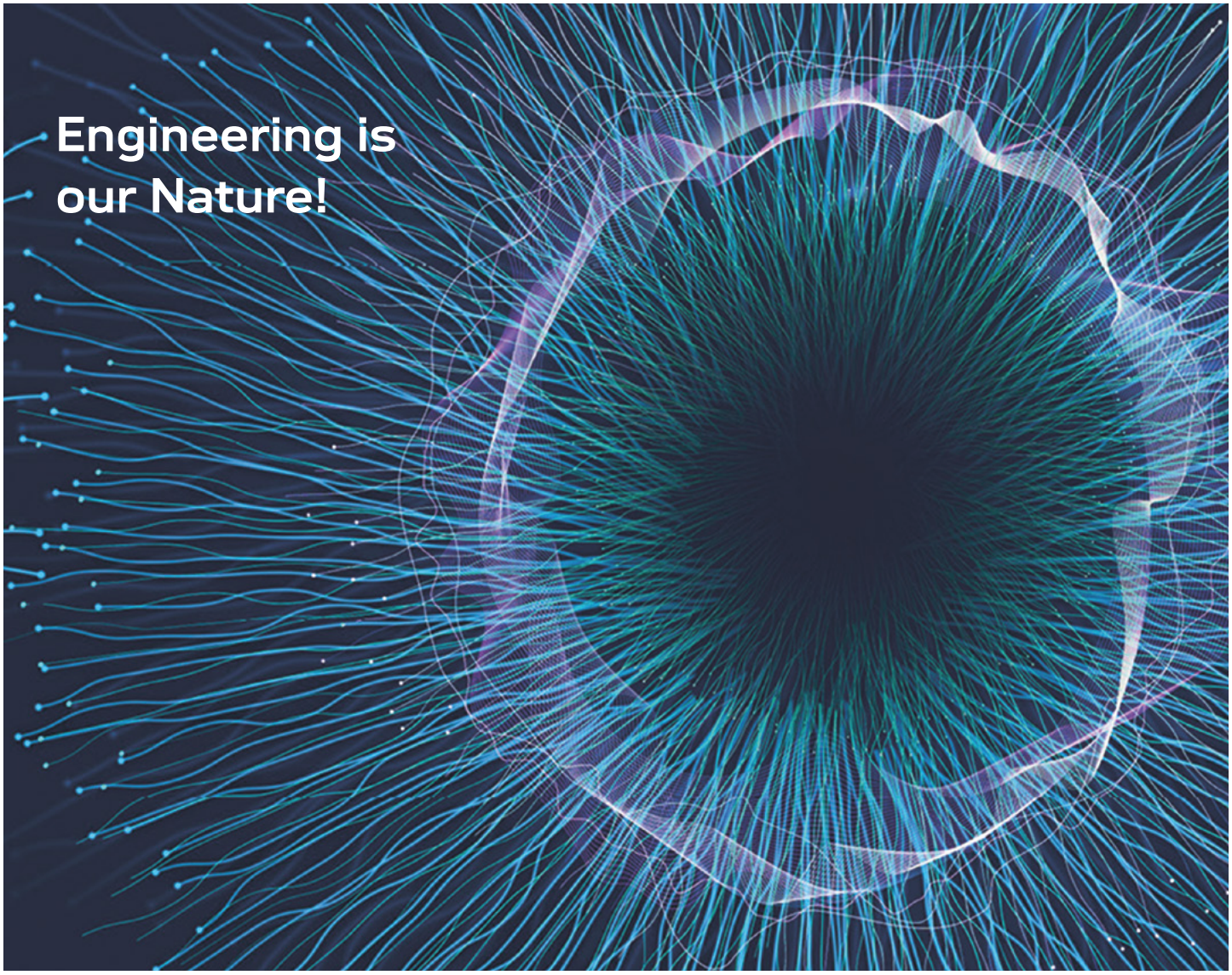
Eckelmann Group



E°CUT – Automation Solutions

for Cutting Applications





E°CUT

Automation Solutions for Cutting Applications

Eckelmann's CNC technology makes the crucial difference in generating performance and higher utility for processing machines beyond standard functionality.

Cutting sheet metal, especially thin plates, is often combined with subsequent punching, bending or folding. Eckelmann is also active in control technology for this application.

E°CUT – Automation Solutions for Cutting Applications

E°CUT is your solution for all sheet metal and tube cutting technologies and is the prime standard in sheet metal processing. Supporting you and your machine concept with a ready-to-use solution that includes controls and safety, servo drives & motors as well as software and the most intuitive HMI in the entire in industry.
E°CUT gets the job done, even under harsh conditions and after years of reliable service in the field. Eckelmann hardware is made for industrial conditions, fully EMC tested and guarantees a high uptime and minimal amount of service required in the field.

E°CUT HMI User Interface

- Intuitive and modular design
- Easy to learn for new operators
- In-depth functionality for experienced operators
- Customization options available
- All cutting technologies in one HMI application
- Includes remote diagnosis functions for easy troubleshooting
- Optional upgrades for Industry 4.0 capabilities available



E°CAM CAD/CAM System

- Intuitive design for easy accessibility
- Available in three performance levels
- Shape library, drawing and editing as well as DXF import available
- Manual nesting, as well as automatic box and True Shape nesting
- Support for advanced technology functions (laser, plasma and oxyfuel)
- Desktop version coming soon…







E°CUT – Complete Solution for Cutting Applications

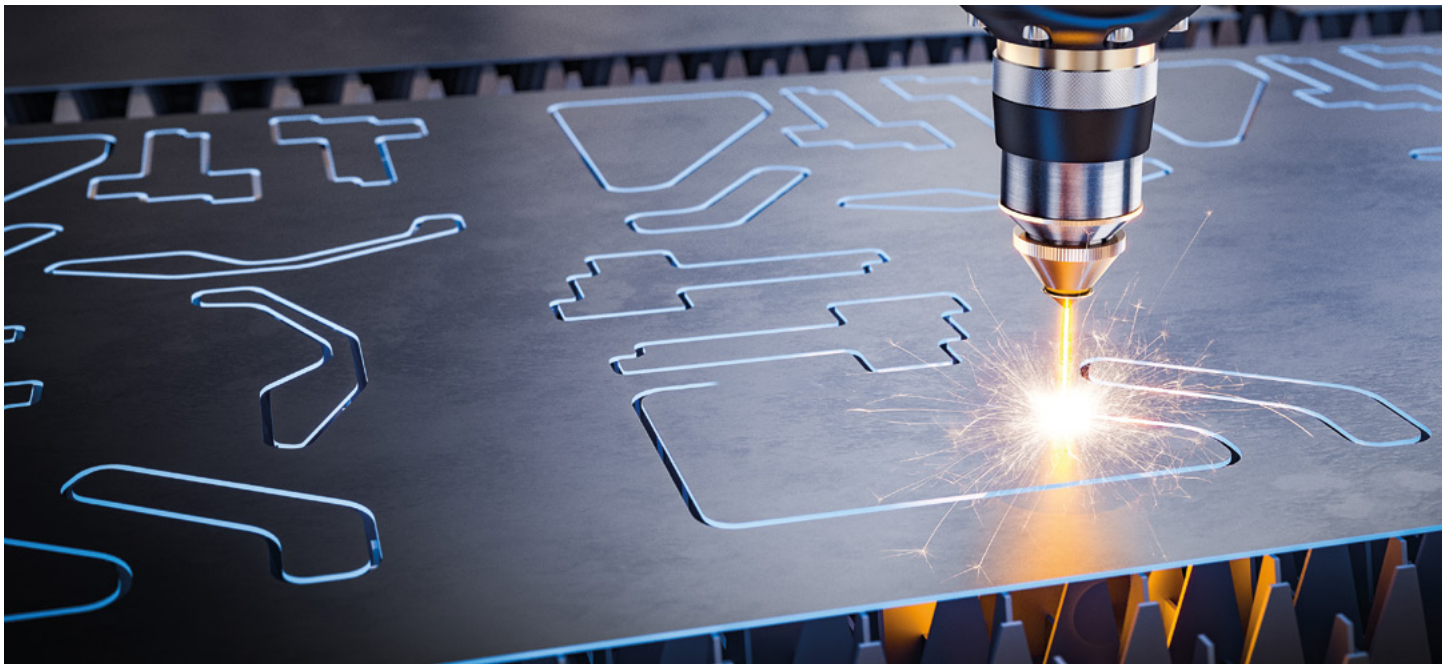
The Eckelmann goal is to provide an all-inclusive scalable solution to machine manufacturers, system integrators and retrofit partners.

If your company is working in series production of plasma, laser, oxyfuel or waterjet machines, E°CUT will allow you to commission and install machines in no time. Regular software updates, released every quarter, will keep your machines running and up to date, providing functionality updates and improvements to your machines for their entire lifetime.

If you are looking to retrofit old machines, E°CUT provides customization options that will allow you to tailor the system to your needs. A retrofit is unique every time, but the flexibility that E°CUT offers in terms of controllers, software and servo drive packages is second to none.

You have a special project in mind that sounds too complex to realize? Get in contact with us, we'll make sure that we can do it!

- Laser Cutting
- Marking
- Drilling
- Plasma Cutting
- Waterjet Cutting
- CAD/CAM
- Bevel Cutting
- Oxyfuel Cutting





E°CUT HMI User Interface

The E°CUT solution is available in three performance levels, each one tailored to specific machine types and machine setups. All Eckelmann hardware is certified and EMC tested, guaranteeing reliability and longevity in the field!

LEVEL 1: E°CUT ELEMENTS

- Designed for light industrial plasma and oxyfuel machines
- All-in-one electrical cabinet available, including servo drives, motors and cables
- Suitable for 1x Plasma, 1x Oxy and 1x Scribe Marking
- Integration of Kjellberg K200 plasma source, as well as conventional air plasma



LEVEL 2: E°CUT ECO

- Plasma, laser, oxyfuel and waterjet cutting possible
- 13 different machine configurations available
- Support for all Kjellberg and Hypertherm plasma sources
- Support for all advanced Kjellberg functions
- Optional I/O extensions available



LEVEL 3: E°CUT PRO

- Up to 12 cutting heads/carriages
- Bevel cutting capability for Plasma, Oxyfuel and Laser cutting
- Drilling/Threading/Milling capability
- Modular design enables complex machine types
- I/O customization ensures flexibility

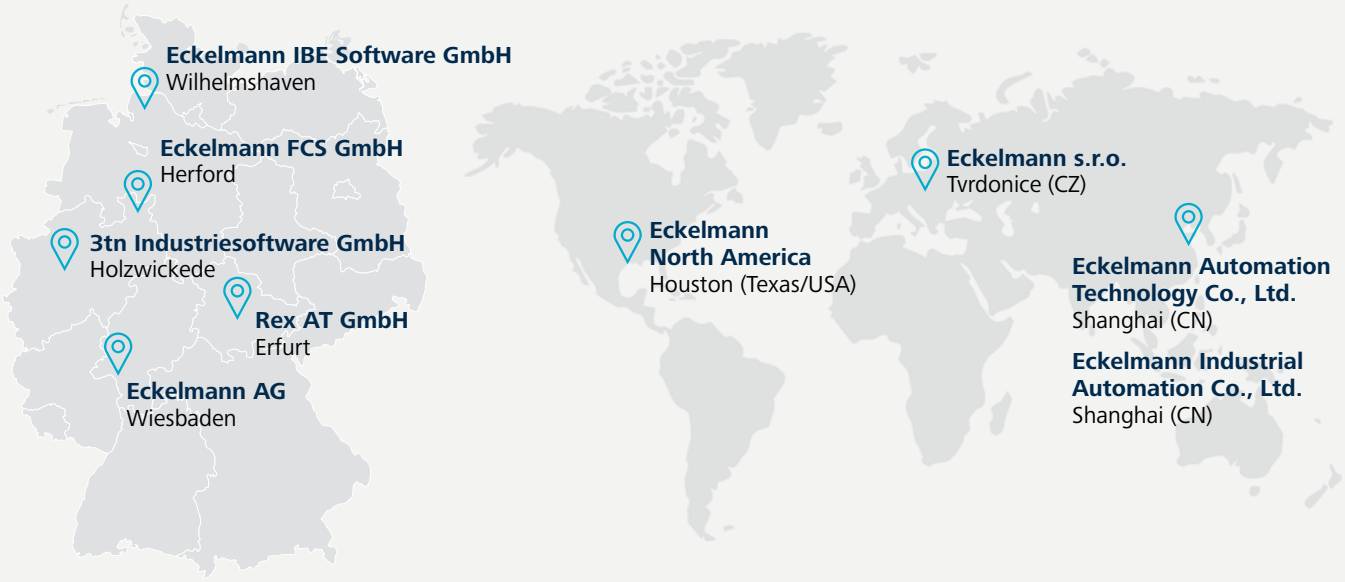


Eckelmann Group

About us

Eckelmann is your system partner for precise solutions in the field of automation and digitization.
As a strategic partner in digital transformation, Eckelmann leverages the opportunities of digitization and secures sustainable competitive advantages for its customers by creating suitable solutions in machine automation.

Sites & partnerships – national & international
480 + employees



Talk with us.

Eckelmann AG
Berliner Strasse 161
65205 Wiesbaden
Germany
Phone: +49 611 7103-0
maavertrieb@eckelmann.de
www.eckelmann.de

Eckelmann FCS GmbH
Bodelschwinghstrasse 20
32049 Herford
Germany
Phone: +49 5221 966-0
vertrieb-fcs@eckelmann.de
www.eckelmann.de

REX Automatisierungstechnik GmbH
Fichtenweg 36
99098 Erfurt
Germany
Phone: +49 36203 9591-0
vertrieb@rex-at.de
www.rex-at.de

www.eckelmann.de/en

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