

ACI Laser

Manufacturer of laser systems
for engraving, marking, and trimming

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ACI

Precision laser systems for industry.



Mirko Wunderlich
Company Founder & CEO

Developing technology since 1999

Our persistent dedication to exploring new possibilities in the field of laser technology is as much a part of who we are today as it was at the company's inception. For over two decades, we have been continually expanding our range of compact laser machine tools and accompanying software solutions. We are a one-stop shop: We take care of everything from the development and manufacturing stages to the sales process and after-sales support and service.

Expert advice

We take pride in offering expert advice that is tailored to our customers' needs. We work with our customers to translate their requirements specification into a complete, turnkey solution. ACI's laser systems can be used as flexible manual workstations or as integrated components in automated production lines. Both hardware and software can be customised to suit the customer's processes, and additional routines can be integrated into the laser station.

Leading specialists

Based in the German Free State of Thuringia, ACI Laser is a global market leader at the forefront of technological development, helping to boost Thuringia's economy. ACI has an installed base of over 5000 laser systems around the world. Thanks to the flexibility of our high-quality German engineering, we are able to offer made-to-measure solutions alongside our standard product range. When you purchase one of our laser systems, our team of experts guarantees comprehensive, long-term after-sales support that includes advice, training and maintenance.

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image video

TESTIMONIALS

What ACI's customers say about us.



"Our fruitful collaboration has yielded solutions that are optimally tailored to our requirements and we benefit from ongoing, comprehensive advice and support."

Abus August Bremicker Söhne KG
Laura Biller, Head of Workholding Device Design and Tool Making

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“A qualified partner must provide us with support for new technologies and be able to respond quickly and flexibly to customer requests and requirements.”

Hans Turck GmbH & Co. KG
Thomas Schäfer, Production Planning and Process Development at Turck

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Your application. Our expertise.



"ACI's lasers are easy to adapt, expand and integrate. This enables us to engineer optimal solutions for the customer's specific requirements."

Isabell Siegling, Sales Germany



Tools and moulded parts

Tools are products that must be able to withstand incredibly tough conditions. The same applies to any markings on them: These must combine corrosion resistance, mechanical durability, high visual contrast and a high-quality surface finish that exhibits minimal roughness.



Plastics

Our laser markers can permanently mark abrasion-resistant and readable text, codes, serial numbers, logos and graphics quickly and effortlessly on plastic components.



Sports guns/ military equipment

The statutory identification marking requirements that apply to guns necessitate a reliable technical solution. ACI's industrial laser engravers have successfully established themselves as an alternative to stamping or milling the required markings.



Watches & jewellery

ACI's lasers use automated processes to apply highly detailed, security-relevant markings and decorative embellishments to elegant, high-end products.

"By taking an individualised approach to assisting customers and employing intelligent service and support strategies, we keep maintenance requirements low and system availability high."

Lukas Grünwald, Support & Service





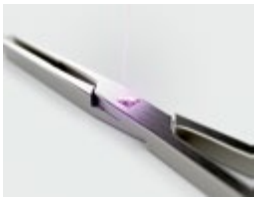
Automotive industry

Our laser systems can permanently mark codes, text and graphics on virtually any material. And these markings fulfil all the requirements: Visual appeal, clear information about technical parameters, traceability, and protection against counterfeiting.



Machine building

Laser markings made with ACI's systems are unaffected by heat, abrasion or acids. In no time at all, we can create highly durable marks, enabling reliable component identification, traceability and quality assurance.



Medical equipment

Internationally unique, machine-readable markings in line with GS1 standards enable medical devices to be identified in accordance with UDI requirements. Permanent laser markings facilitate traceability and increase patient safety.



Electronics

ACI's lasers can be used to apply permanent, high-quality, reliably machine-readable marks to electronic components. These high-precision systems are able to apply serial numbers and data matrix codes even where space is severely limited and on challenging materials.



Frank Dorsch
Head of Sales Germany



BRAND VALUES & CORE AREAS OF EXPERTISE

Our values pave the way for shared success.

We are reliable

All our technical and business developments are geared towards the long term. We are an end-to-end supplier of turnkey solutions. By choosing a laser system from ACI, our customers benefit from having a reliable, low-maintenance machining system and a Support team that is dedicated to keeping things running smoothly for them.

We take an integrated approach

ACI's core values can be summarised in just three words: Precision, collaboration and enthusiasm. We are excited about the technological possibilities that innovative laser systems have to offer. We work with our customers to continually explore new avenues and unlock this untapped potential. These collaborations inspire a shared passion for innovation.

We prioritise sustainability

As a regionally based company, we cultivate business relationships with local firms in the vicinity of our production site in Nohra, near Weimar. These relationships and relationships with the education and research sector in Central Germany are a well-spring of new ideas for advancing the business and making environmental progress. Ideas generated by these collaborative efforts were the impetus behind our air-cooled systems, marking processes that dispense with the need for consumables, and reliable lasers that stand the test of time.

Our core areas of expertise

Precision material machining: Our wide range of lasers caters to virtually every application. We work with our customers to identify the optimal laser system for their application.

Integration into automation processes: ACI offers comprehensive software solutions for integrating your laser systems into automation processes.

Optimal imaging: The use of imaging systems for object identification with image processing is an important means of executing challenging marking jobs.

All-in-one package: ACI is a single-source supplier, providing you with a global concept for your application and a complete solution covering product, process and service.



DEVELOPMENT, SALES, APPLICATION & SOFTWARE

Putting ideas into practice.

Choose us as your innovative experts in manufacturing and implementing camera-based laser-machining processes in the form of industrial laser marking and laser trimming.

Engaging in open exchange

Our team understands your industry's demands. We actively engage with our customers right from the outset in order to pinpoint the solution that is best suited to the job. We take pride in offering expert advice that is tailored to our customers' needs. To help you choose the right laser system for your application, we provide you with samples, which we produce in our in-house application laboratory.

Intelligently engineered solutions

We employ an efficient engineering process in which we draw on all our technical expertise to devise a complete, turnkey solution. Imaging systems, code and ID readers, handling systems and various axis solutions can be added at any stage.



Sven Brückner
Technical Lead



Oliver Lorenz
Application



The ACI team creates custom solutions for specific applications with the utmost precision and efficiency. When it comes to technical planning, we prefer close proximity for streamlined communication: You have a direct line to the development team, and we'll be right there if you need us.

Maximising customer benefits

We do not consider the project concept and design to be ready until we have completely satisfied all the customer's requirements, enabled specific applications and lowered the customer's costs. By adding our high-end laser hardware and proprietary Magic Mark software to the mix, we are able to maximise the flexibility of the laser-beam machining process and optimise the quality of its output.

Enhancing product appeal

As specialists, we focus on bespoke solutions for the entire production process. With our laser systems and our dedicated software, we guarantee high-quality marking that enhances the visual appeal of the product's surfaces.



Sysan Hermann
Visual production







PRODUCTION

German engineering and manufacturing excellence.

ISO 9001 certification

ACI manufactures laser-machining systems for use in tough industrial environments. To ensure that they are able to withstand these conditions, we manufacture these systems to stringent quality standards in our own factory at the company headquarters in Nohra, near Weimar.

Our internal development, manufacturing, service and sales processes are certified to DIN EN ISO 9001 standards.

We are continually improving the quality of the individual components installed in our laser systems, thereby enhancing the overall efficiency, quality and precision of the laser system manufacturing process.

PRODUCTS

Lasers for engraving, marking & trimming.

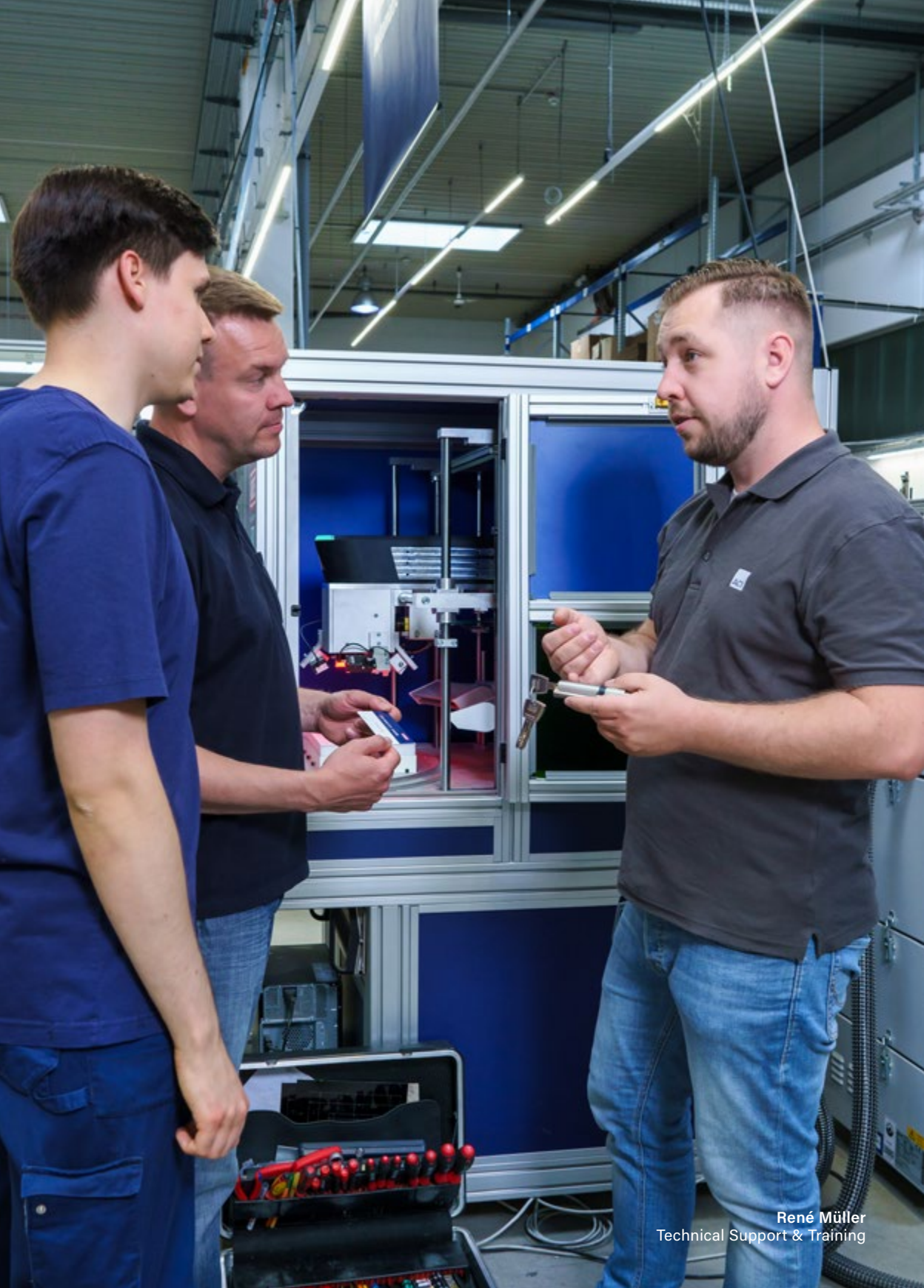


As a laser manufacturer, we help our customers decide on the right system for them – a system perfectly tailored to their needs.

Our laser systems are available in the form of flexible manual workstations or components that can be integrated into production lines.



Scan now to request
product demonstration



René Müller
Technical Support & Training



TRAINING

Better knowledge. Better production skills.

Sharing practical expertise with our customers

Our experienced technicians test all the hardware and software components supplied for the laser system and laser station and demonstrate how they work. Users learn important technical information and essential skills when the product is commissioned and during training.

The basic training we provide enables system operators to use the laser system safely and effectively. As part of this, we teach the basics of using the Magic Mark laser software.

Training at the customer's premises or at ACI's headquarters

Production teams can expand their knowledge about the ACI laser system and about how individual components are used by participating in an in-house training course or an intensive training course. Qualified technicians from ACI will be on hand to answer participants' questions.

We will build on your current knowledge base and take a closer look at the topics that are relevant to you, including how they are applied in practice. We will teach you in small groups where possible, and we will alternate between theory sessions and practical exercises on the laser. We award a certificate to those who successfully complete our training courses.

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to request training





SUPPORT, SERVICE & AFTER SALES

Ongoing support and service.

ACI service combines experience with quality

We offer our customers comprehensive, long-term support, starting from the very first sample marking on the workpiece and continuing far beyond the purchase of the laser system. To this end, we offer bespoke service packages tailored to our customers' individual needs, as well as maintenance agreements, and service on request.

Faster support via hotline, remotely or on site

Should you have any issues, our technicians will be on hand to assist you in no time at all. Our customers enjoy the benefits of our service policy: Regular maintenance inspection, troubleshooting and diagnostics via our hotline or remotely, service call-outs, and the provision of a replacement device if needed.

ACI – your strongly service-focused partner

Our team works together to continually optimise our processes and the services and products that we offer. Finding ways to benefit the customer is always a top priority. Customer satisfaction and positive, productive working relationships are at the heart of everything we do.

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Danny Heberlein-Meinicke
Support & Service

Our international partners provide local support for our customers across the globe.



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