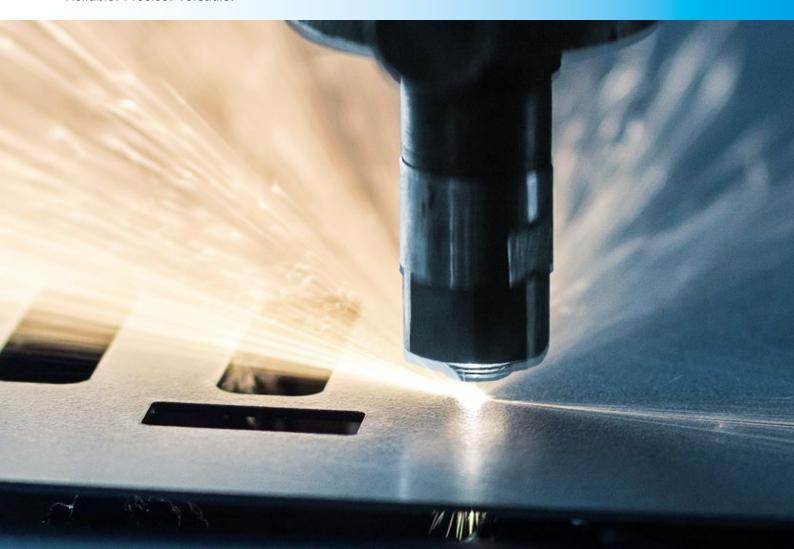


Laser Cooling in Perfection.

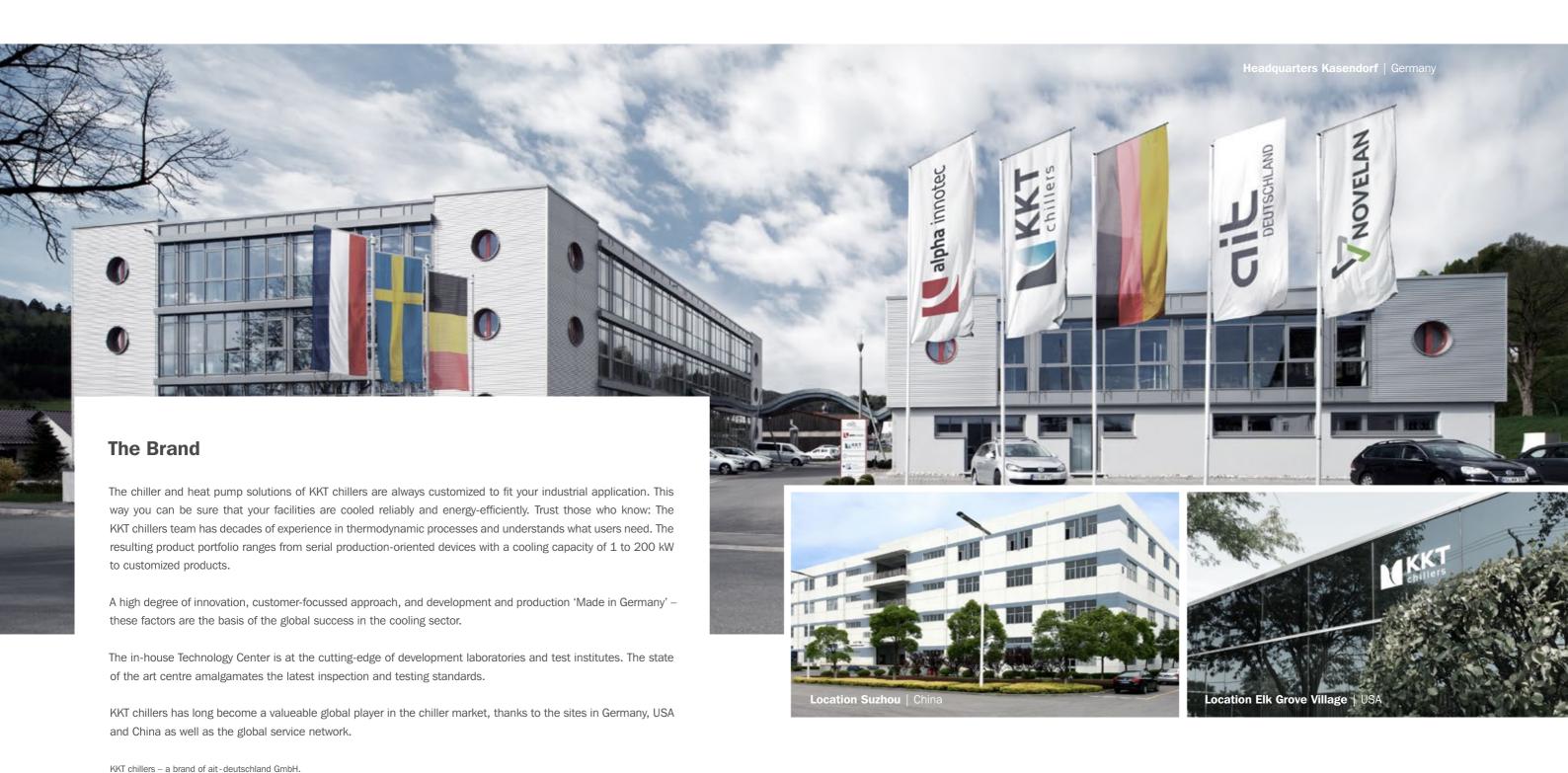
Reliable. Precise. Versatile.



KKT CHILLERS

KKT

INNOVATION IS OUR STANDARD.



LASER TECHNOLOGY

KKT

COOLING OF RESONATORS, OPTICS AND LASER HEADS.



Cool solutions for hot laser applications

KKT chillers is the specialist for cooling laser components and develops custom-fit laser cooling solutions in cooperation with leading manufacturers of CO₂, disk, diode and fiber lasers. The range of services comprises cooling technologies for thermal processes such as laser cutting and laser welding as well as for additive manufacturing processes such as 3D printing.

LASER HARDENING

LASER MELTING

Include the expertise of KKT chillers

When it comes to highly complex development projects, it makes great sense to consider the issue of process and component cooling early on. To this end, KKT chillers offers "Resident Engineering": the KKT chillers engineers will support your development process from the outset, providing you with the extensive knowledge in matters of cooling technology.

Basic types and options

KKT chillers provides you with the cooling solution you want. All chiller model series are modular systems that can easily be adapted to your requirements and specifications thanks to a wide range of options and equipment. If necessary, KKT chillers can even integrate chillers in the casings of your lasers or machines.

Digital data management

What is the water temperature right now? And the water pressure? How high is the conductivity? Your chiller can answer these and more questions at the push of a button – because it digitally records all the relevant process and control variables. This means all data can be called up via many different interface protocols, including PROFIBUS, Modbus, DeviceNet, CANopen and PROFINET. This setup also facilitates reliable and cost-effective remote facility maintenance.

VARIABLE COOLING CYCLE

AIR OR WATER: RELIABLE - IN ANY CASE.





EXACT TEMPERATURES



PRECISE TO THE DOT.



APPLICATION-SPECIFIC SETUP

KKT

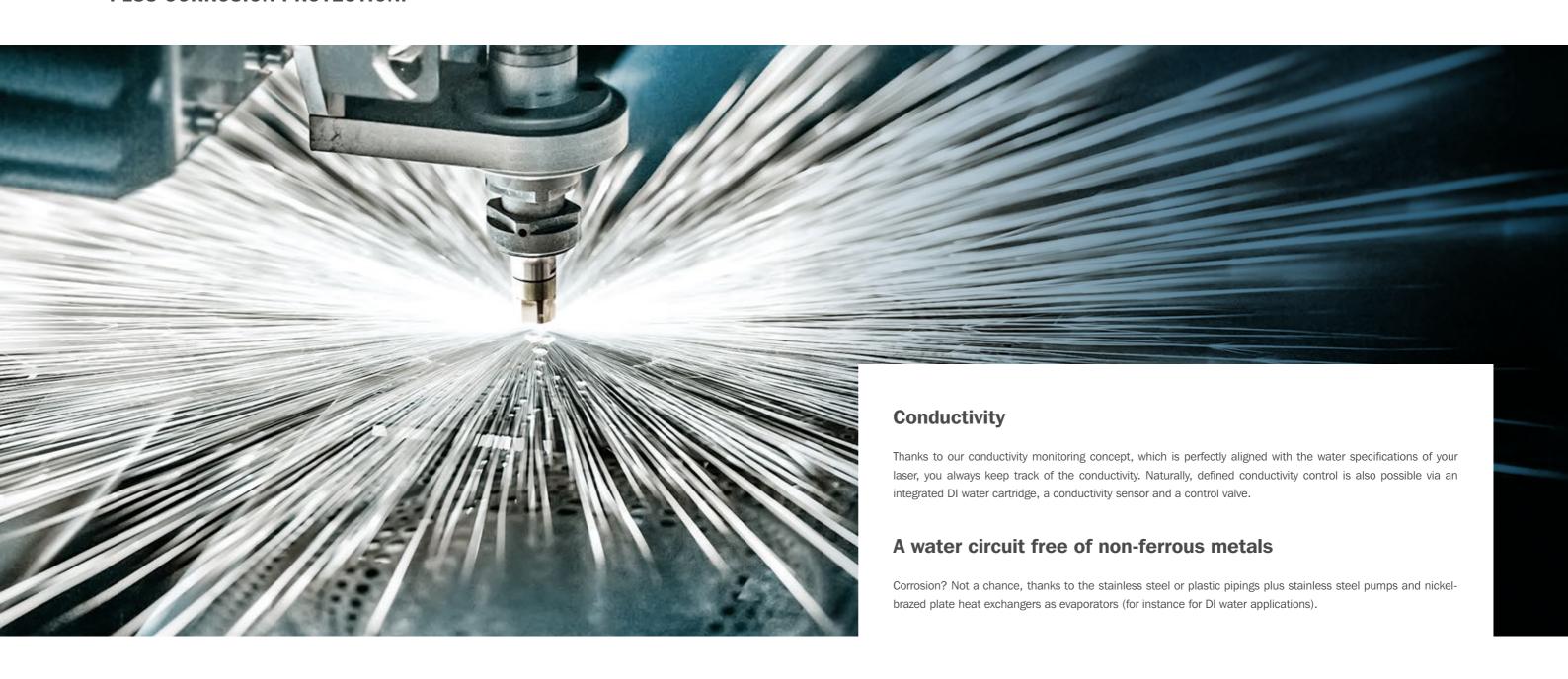
ALWAYS MADE TO MEASURE.

Solution for two consumers Choose the model with a second consumer pump to operate two water circuits independently of each other from one system. **Solution for two temperature levels** You would like to set two different temperatures, for instance for the resonator and optics cycle? Simply choose a dual-circuit system with control valve and second consumer pump as well as an optional heat exchanger for the hydraulic separation. Solution for two media You would like to use regular and DI water? Best to choose the dual-circuit system with separated coolant circuits and a tank and consumer pump each. None of these solutions is perfect for you? No worries, just send your requirements to KKT chillers to prepare a tailor-made offer for you.

SYNCHRONIZED CONDUCTIVITY

KKT

PLUS CORROSION PROTECTION.



AFTER SALES SERVICE

KKT

EXPERT SERVICE TECHNICIANS IN ACTION.



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For an overview of all our applications, please see

www.kkt-chillers.com/en/applications/









