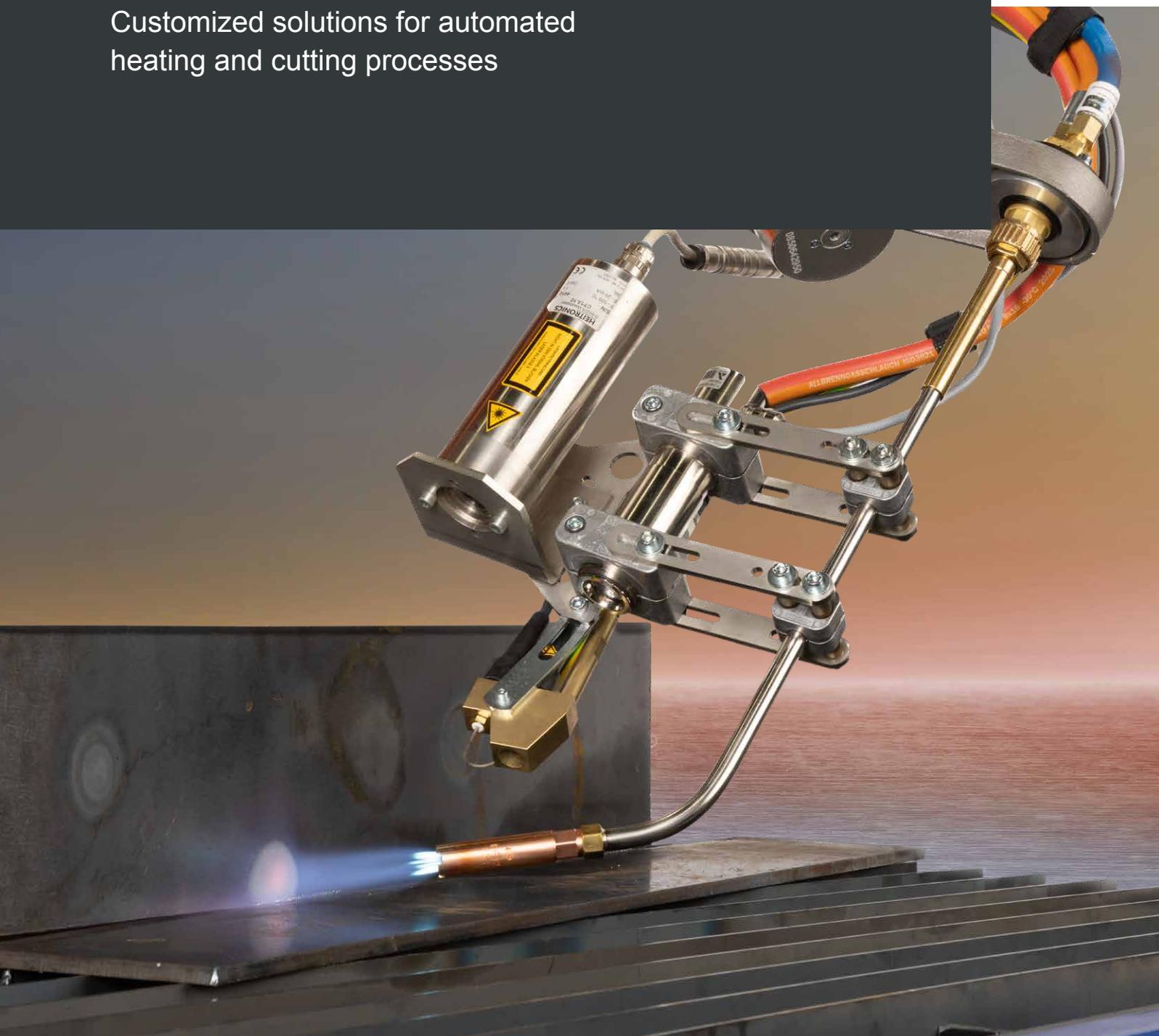


GRIFLAM

Customized solutions for automated heating and cutting processes



EFFICIENT HEATING TECHNOLOGY FOR THE HIGHEST DEMANDS

Efficiency, reproducibility, and process reliability are crucial in modern manufacturing – especially in thermal applications. With GRIFLAM® heating technology, Messer Cutting Systems offers a modular system for automated heating processes that combines precision and flexibility. Whether flame straightening, flame hardening, or preheating – GRIFLAM® systems can be seamlessly integrated into existing production lines, including customized torch technology, digital control, and process-optimized gas supply.

Torch systems for every application

We offer customized Torch systems that are precisely tailored to your requirements for (pre-)heating, cutting, flame straightening, or flame hardening.

Main torch:

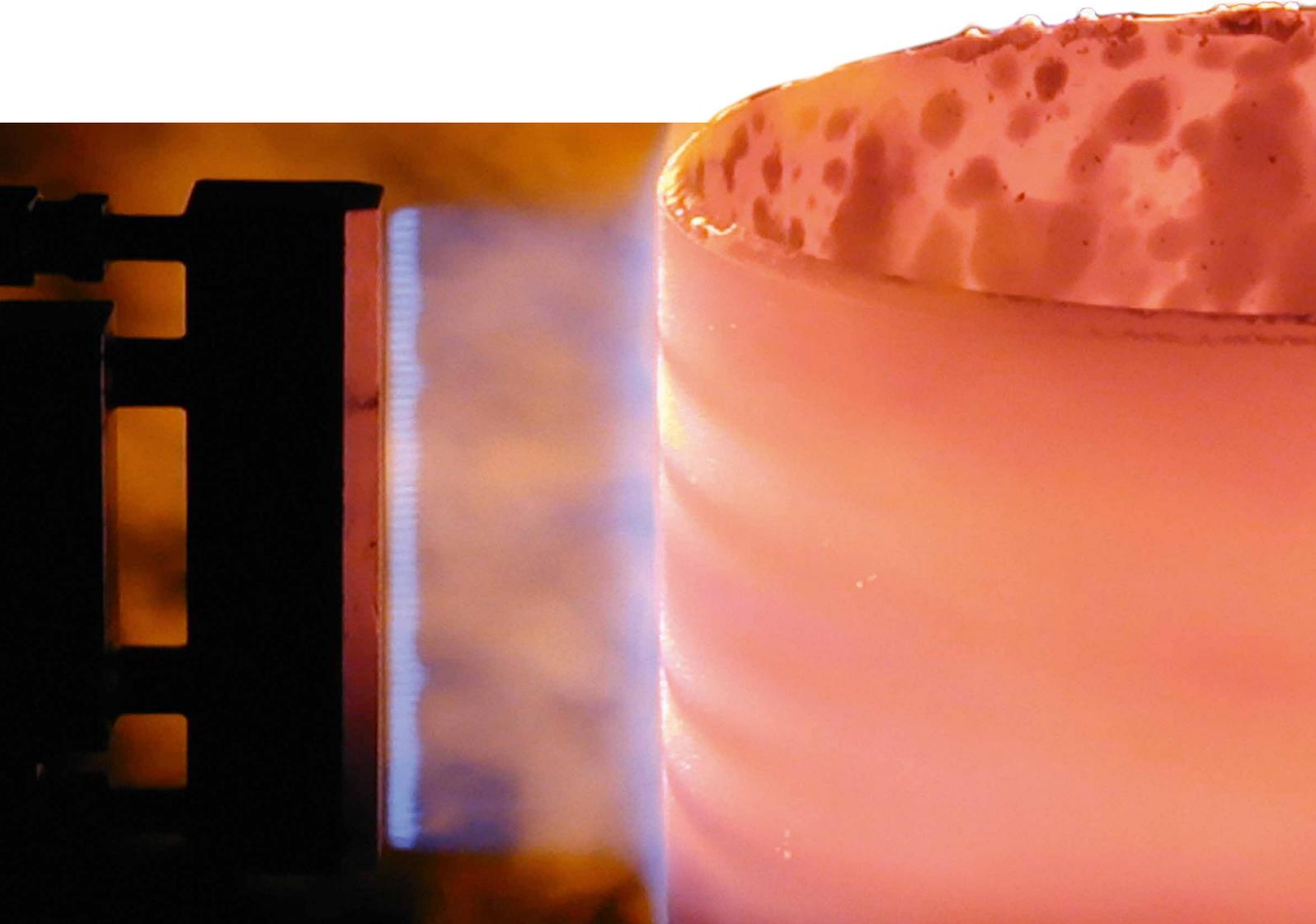
- + Individual design according to desired flame temperature, effective range, and material
- + High process reliability and efficiency through precise coordination

Ignition burner:

- + Automatic ignition of the main torch
- + Safety monitoring through integrated electrode

Optional system extensions:

- + UV probe for flame monitoring – stops gas supply when the flame goes out
- + Pyrometer for continuous temperature measurement – automatic stopping/starting of the torch at defined temperature limits



Customized gas supply

Our gas supply panels are designed individually according to your requirements – functional, safe, and optimally matched to our torch systems. This ensures an efficient and reliable gas supply at all times. Integration into existing systems is straightforward, allowing our systems to be flexible incorporated into your existing infrastructure.

Equipment and integration options:

- + Customized design according to customer specifications – optimally tailored to the gas requirements of your torch system
- + Seamless integration into existing gas supplies
- + Monitoring systems, alarm and automation functions for maximum operational safety
- + Flow meters and pressure sensors for recording live flow rates and pressures
- + Connection to control systems for real-time display and evaluation

Controls according to your specifications

Our SIEMENS control systems are individually tailored to your application – from display placement to design. You decide what information you want to see and where – we implement it exactly according to your specifications. Thanks to support for common industrial protocols such as PROFINET or analog signals, seamless data communication and system integration are guaranteed at all times.

System features and functions:

- + Individual adaptation of the control system to your requirements – including integration of your corporate design
- + Support for common industrial protocols (PROFINET, analog signals) for easy integration into existing systems
- + Integrated safety modules for compliance with international safety standards and protection against hazards
- + Comprehensive diagnostic and monitoring tools for proactive fault detection and rapid troubleshooting



The advantages of GRIFLAM at a glance:

- + Precise temperature control
- + Maximum process reliability
- + Flexible adaptation to your application
- + Tailor-made design for your application
- + High process and supply reliability
- + Easy integration and expandability
- + Maximum flexibility in design and function
- + High compatibility with existing systems
- + Increased safety and system availability
- + Efficient maintenance thanks to integrated diagnostic systems



Messer Cutting Systems GmbH

Otto-Hahn-Straße 2-4
D-64823 Groß-Umstadt

Tel. +49 6078 787-330
Mail griflam@messer-cutting.com

messer-cutting.com

THE MESSER
EXPERIENCE