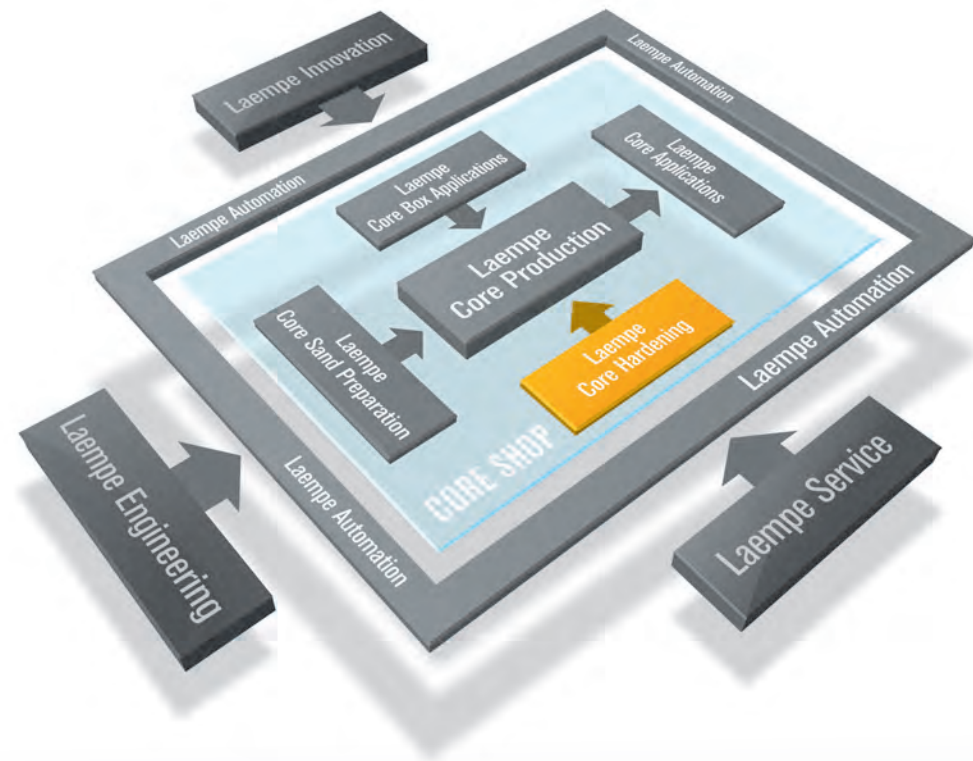


LAEMPE TURNKEY SOLUTIONS
FOR THE INNOVATIVE CORE SHOP



Gassing units

Laempe core hardening solutions are highly-efficient complements for the core shooters in the L, LCB, and LHL series. They are already integrated into the machines in the LL, LE, and LFB series as standard. Laempe offers further innovative solutions for highly modern core production: **Laempe CoreSand Preparation** for sand preparation and supply, **Laempe CoreApplications** for subsequent core treatment and assembly, and **Laempe Automation** for automation solutions. Our efficient service offering ensures high machine availability during daily production.

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Solution expertise from a strong partner

Laempe & Mössner GmbH is a global leader in core shop technology for the casting industry. As an innovative developer of complete solutions, Laempe & Mössner offers a comprehensive range of core shooters, gassing devices, sand mixers, sand preparation systems, and subsequent core treatment solutions in addition to solutions for the automation, networking, and intelligent control of core shops. The incorporation of Hottinger and Röperwerk in 2009 allowed us to acquire top-quality know-how and expertise developed on the basis of more than 15,000 delivered systems. Our sales offices and network of around 25 sales partners and representatives ensure high-quality, competent support for our customers all around the world.

www.laempe.com

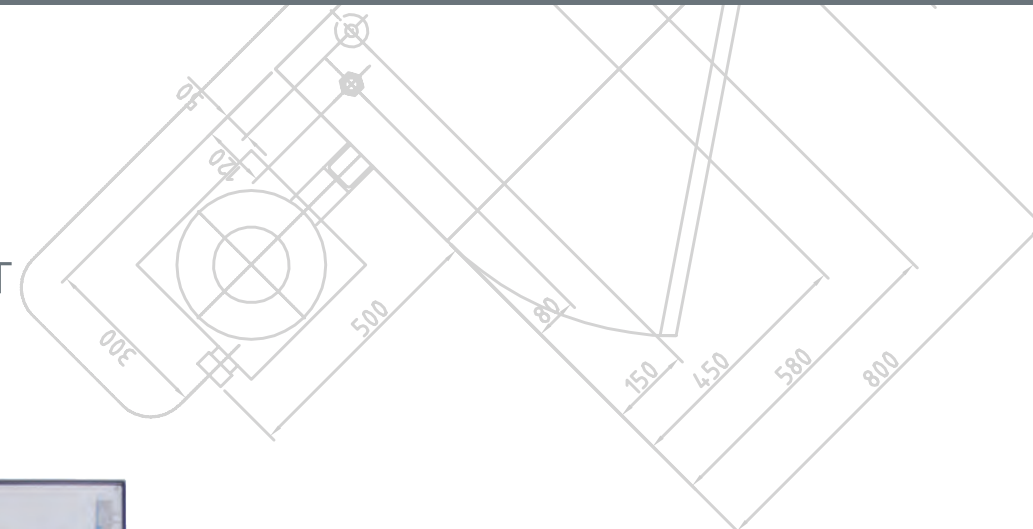


LG

LAEMPE COREHARDENING
LG gassing units

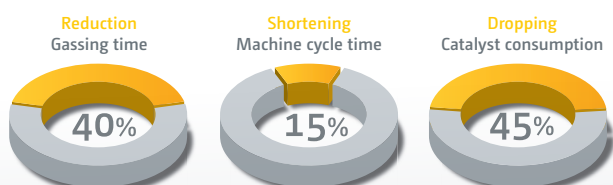
LG GASSING UNITS

PRODUCTION BOOSTERS: ACCURATE, ECONOMICAL AND FAST



VARIABLE GASSING FOR TOP CORE QUALITY

Thanks to systems from the Laempe CoreHardening division, cores of an extremely high quality can be produced. Pressure and increases in pressure can be variably regulated during the gassing time. Thanks to precise catalyst dosing, consumption is reduced to a minimum. Intelligent fill level measurement systems ensure complete gassing at all times. A pre-heater optimises cycle times and reduces catalyst consumption.



Positive customer feedback

More than 1,500 Laempe CoreHardening systems are used successfully throughout the world. Our customers are extremely satisfied and report significant savings: Up to 40% reduction in gassing time, up to 15% reduction in machine cycle time, and up to 45% reduction in catalyst consumption.



THE RESOURCE-SAVING GASSING SYSTEM

- Accurate metering
- Variable pressure regulation during gassing time with proportional valve
- High temperatures of up to 170° Celsius
- Central amine supply system with fill level measurement system for ongoing, malfunction-free amine replenishment
- Pre-heater for shorter cycle times and process acceleration
- Can be used with any automatic core shooter

LET US CREATE A TAILORED PACKAGE TO MEET YOUR SPECIAL REQUIREMENTS!

Choose the best product variant for you

CoreHardening system	1"	1,5"	2"
Delivery rate of pump for amine	0,5 cm ³	1,0 cm ³	2,0 cm ³
Delivery rate of pump for BETASET system	3,0 cm ³	3,0 cm ³	3,0 cm ³
Control range for proportional flushing pressure	0,3 - 4,8 bar	0,3 - 4,8 bar	0,3 - 4,8 bar
Heater temperature	max. 175 °C	max. 175 °C	max. 175 °C
Heat output	3 kW	4,5 kW	9 kW
Recommended core sand per cycle in kg	up to 60	up to 200	up to 400

(Guideline values - subject to technical changes)

Schematic design of the central amine supply

