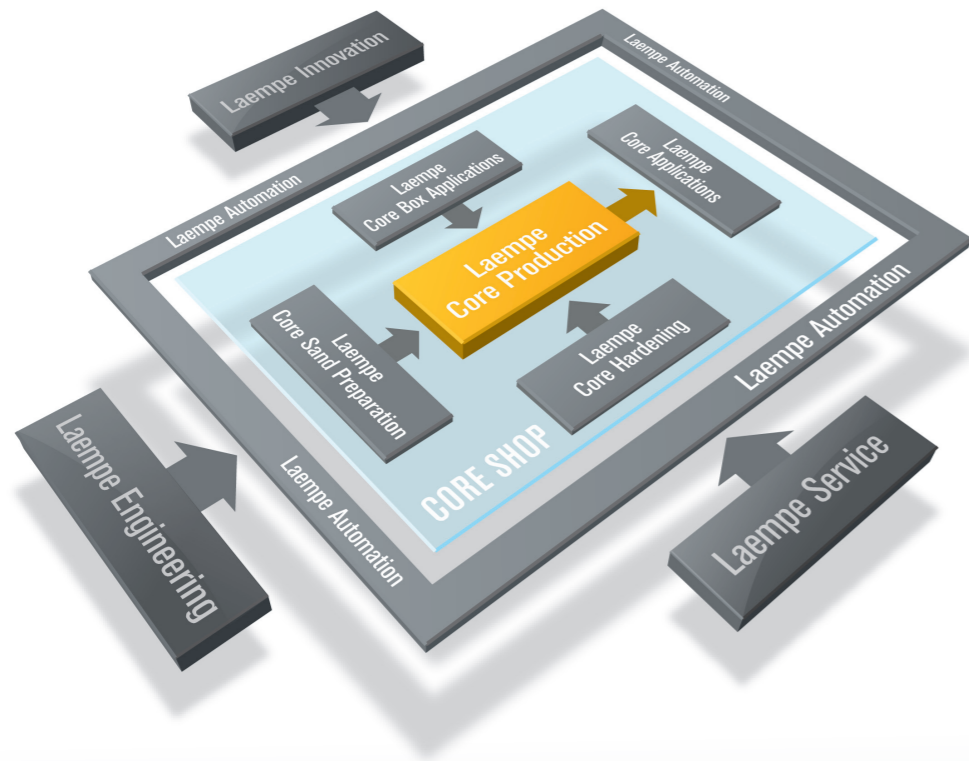


LAEMPE TURNKEY SOLUTIONS
FOR THE INNOVATIVE CORE SHOP



All about the LL series automatic core shooters

Thanks to a combination of innovative solutions, the LL machine series enables 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

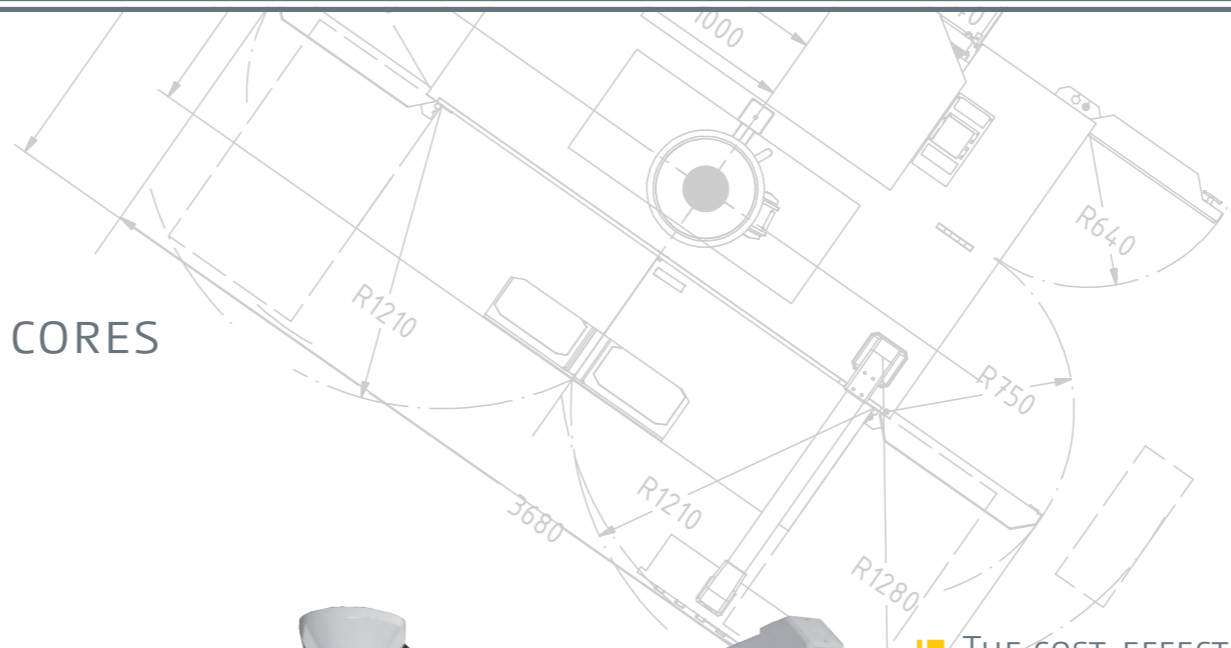


LL

KEEPING IT COMPACT
The LL core shooter series

THE LL CORE SHOOTER SERIES

ALL-IN-ONE: FULLY INTEGRATED -
SIMPLY CONNECT IT UP AND START PRODUCING CORES



S SPECIALLY FOR JOBBING FOUNDRIES

The LL-series automatic core shooters are compact, versatile and easy to use. The gas unit, control unit, control cabinets, hydraulics, and cabin are integrated and networked with each other. Sand preparation systems can easily be added on. The compact design means that the space requirements are low. Simply install it, line it up, connect it, and get started.

T THE COST-EFFECTIVE SOLUTION
FOR SMALL AND MEDIUM SERIES

- Everything's integrated: Gas unit, control cabinet, control unit, hydraulics, and safety cabin
- For hot or cold core hardening processes
- Suitable for processing tools with up to 6 parts
- Shoot volume of 5 to 30 litres
- No foundation, low space requirement
- Low energy consumption and short setup times
- Short delivery times and quick assembly



Global presence
Several hundred customers around the world use Laempe's LL-series automatic core shooters to produce top-quality cores.

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

Choose the best product variant for you

LL series automatic core shooter	LL10	LL20
Shooting volume (Liter)	10-15	20-30
Maximum shooting area (mm)	380 x 380	520 x 520
Standard shooting area (Diameter mm)	230	280
Cycle times (without gassing, shooting, and venting) (seconds)	16	22
Tool height (mm)	230 - 480	335 - 630
Vertical parted tool width (mm)	150 - 350	200 - 400
Horizontal parted tool width (mm)	150 - 695	250 - 890
Tool depth (mm)	200 - 700	300 - 870
Maximum tool weight (kg)	100	400

(Guideline values - subject to technical changes)

For tools with up to 6 parts

