

LHL

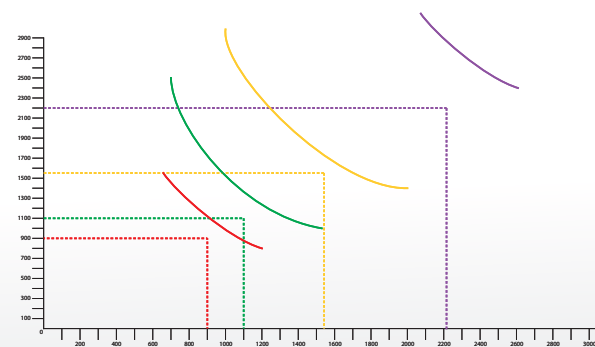
REAL SPECIALISTS
The LHL core shooter series

THE LHL CORE SHOOTER SERIES

TOP OF THE RANGE: EXTREMELY QUICK
CYCLE TIMES THANKS TO SOLID DESIGN

 PERFECTION FOR THE AUTOMOTIVE INDUSTRY

Thanks to energy-optimized hydraulics and servo drives, the automatic core shooters in the LHL series meet even the most challenging core production requirements. Because of their solid design, even extremely heavy tools can be used. The indexing shoot head enables the easy emptying of sand and cleaning of the shoot plate. Fully automatic tool changing minimises setup times and increases productivity.



A new approach

The tool is the basis for the design of the machine. Machine size and closing force are adjusted to the tool size. Flexible shooting volume regardless of the machine size.



 PREMIUM MACHINES FOR THE MOST STRINGENT OF REQUIREMENTS

- Installation without pit
- Transversal moving shooting and curing unit
- Vertically fixed drag box
- Guiding of cope box by stable guide columns; actuation by cylinders fixed onto the machine bottom part
- Shooting and gassing unit with floating bedding to compensate tolerances of coreboxes
- Sand level measuring by laser probe
- Shoot plate cleaning device - tiltable
- Shoot plate with hydraulic clamping
- Shooting system with fine slot screen, automatic changing device for slot screen
- Direct connection for curing gas/hot air through the pressing unit to avoid temperature loss in long hose chains
- End-to-end wear-reduced guidings for lower slide
- Lower ejectors integrated in lower slide

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

Choose the best product variant for you

LHL series automatic core shooter	LHL 30	LHL 50	LHL 100	LHL 200
Closing force (dN)	30.000	50.000	100.000	200.000
Shooting volume (Liter)	25-40	40-100	80-260	130-1000
Maximum corebox surface area (mm ²)	850 x 1050	1250 x 1400	1550 x 1850	2200 x 2500
Machine dry cycle time; depending to mode of operation (seconds)	16	18	22	30
Guiding of lower slide by linear roller guiding device	+	+	-	-
Guiding of lower slide by air cushion	optional	optional	+	+

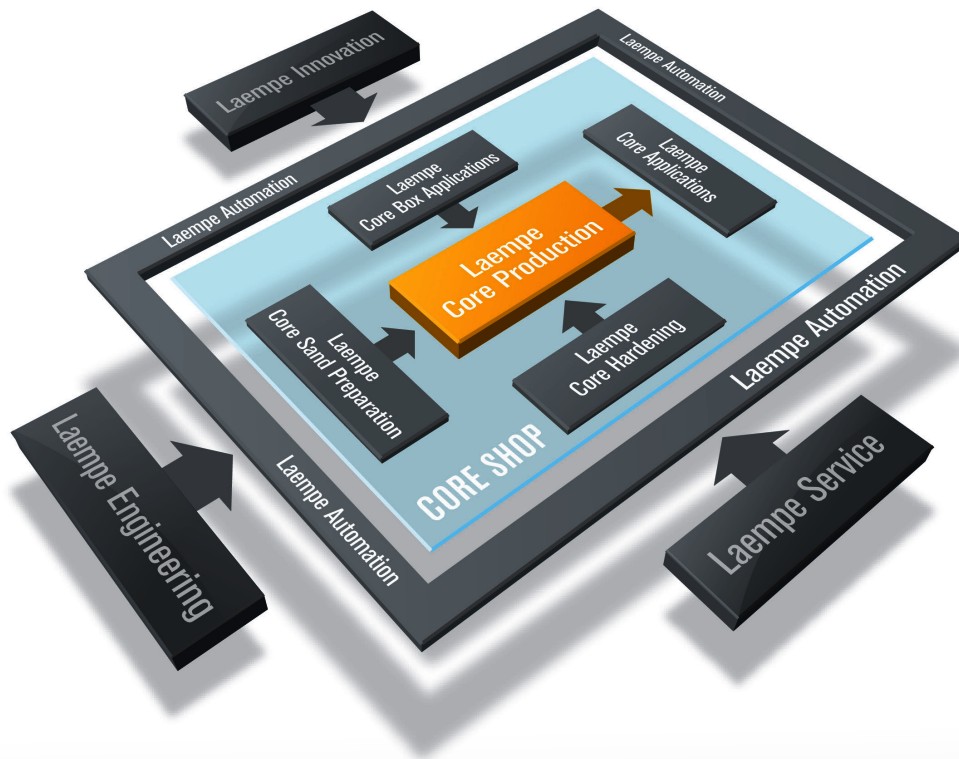
(Guideline values - subject to technical changes)

Options:

- Vertical corebox split
- Automatic changing device for shoot head by hydraulic clamping system (optionally: watercooled shoot head)
- Shoot head cleaning device - tilting/rotating
- Cope box tilting device for optimized cleaning routines
- Corebox identification system for automatic tool identification
- Execution with two shooting units
- Corebox change to the rear, optionally with cross shuttle
- Suitable for all corebinder processes - also combined process e.g. inorganic systems

LAEMPE TURNKEY SOLUTIONS

FOR THE INNOVATIVE CORE SHOP



All about the LHL series automatic core shooters

Thanks to a combination of innovative solutions, the LHL 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.

LaempeReich

PO Box 218
4850 Commerce Drive
Trussville, AL 35173
205.655.2121 Phone
205.655.2123 Fax
email@laempereich.com

Solution expertise from a strong partner

Laempe Mössner Sinto GmbH is a global leader in core shop technology for the casting industry. As an innovative developer of complete solutions from Germany we offer 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 strategic partnership with the Japanese Sinto group, together with our sales offices and representatives worldwide, create our global network. Especially our customers benefit from this unique constellation: Industry-leading expertise in the core shop with a worldwide presence and extensive know-how in the entire foundry process make Laempe Mössner Sinto the ideal partner at your side.