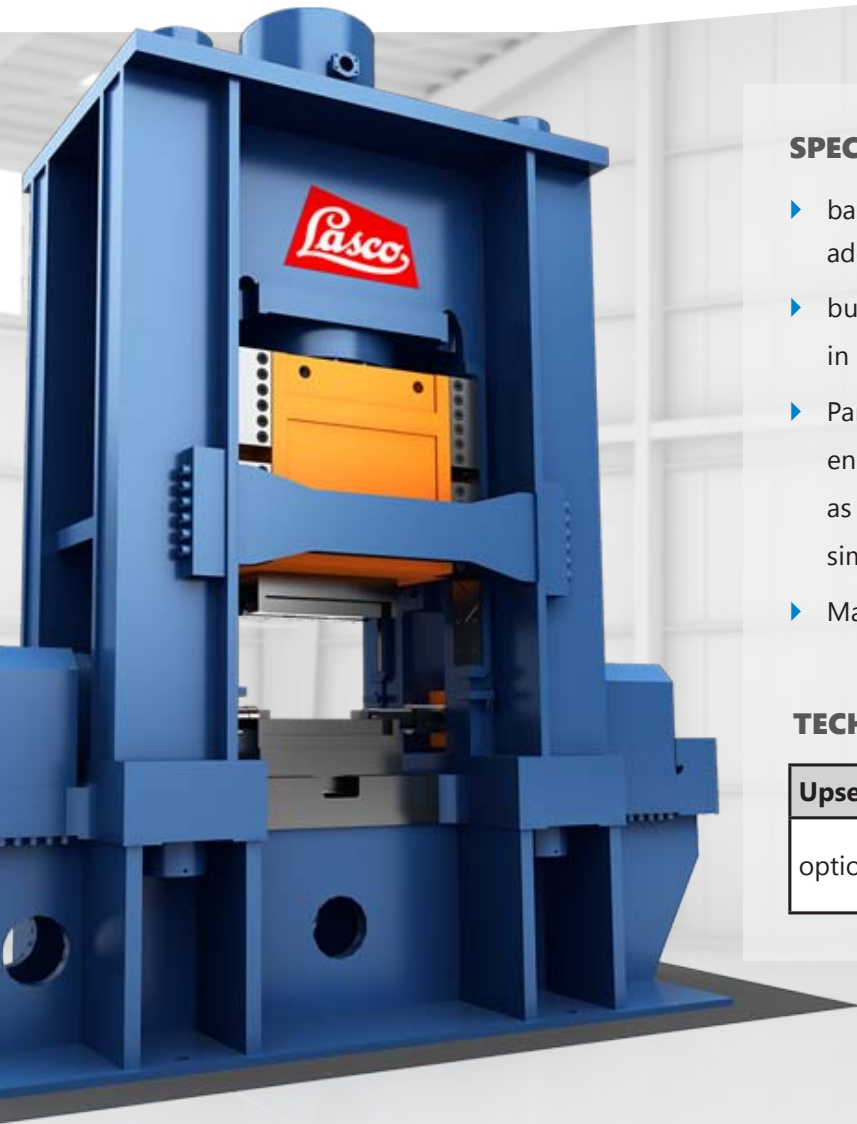


FLEXIMAT

The LASCO unit optimizes preforms In the focus: material savings

As a special unit for preforming tasks, the „FlexiMat“ significantly increases material efficiency in forming processes. Cooperation between science and practice enables material savings of 20 percent on average.

This is the result of a research project in which the flexible preforming machine was developed. The project, which was funded by the German Federal Ministry of Education and Research under the grant number 17PNT023, was carried out jointly by the Laboratory for Solid Forming (Labor für Massivumformung LFM/Iserlohn) under the direction of Prof. Dr. Rainer Herbertz and LASCO, with the support of the companies CDP Bharat Forge GmbH (Ennepetal), Hirschvogel Umformtechnik GmbH (Denklingen), Mahle Brockhaus GmbH and Rasche Umformtechnik GmbH & Co. KG (both Plettenberg).



SPECIAL FEATURES:

- ▶ based on the principle concept of a hydraulic press with additional horizontal upsetting cylinders
- ▶ burr-free production of almost any preform geometry in a line-conforming cycle times
- ▶ Parts transport by specially adapted transport device enables single loading (forming in one stage) as well as multiple loading (forming in up to three stages simultaneously).
- ▶ Material savings of **20 percent on average**

TECHNICAL DATA:

Upsetting force (kN)	Clamping force (kN)
optionally up to 20,000 kN	optionally up to 30,000 kN