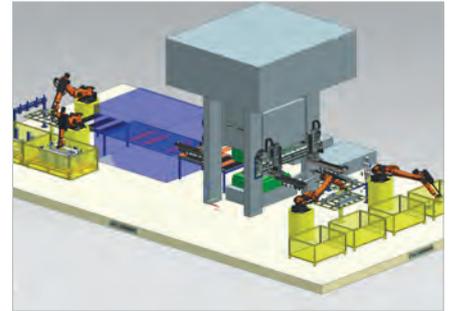
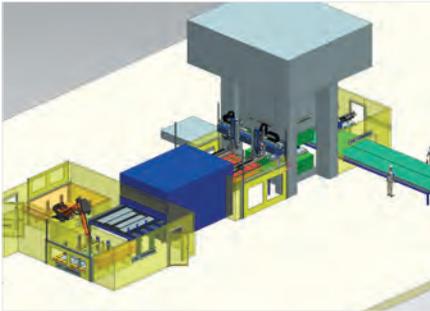


MACHINES | AUTOMATION

PRESS HARDENING | HOT FORMING



smt | Press Hardening

The constantly growing number of press-hardened components in the automotive industry today requires a flexible and dynamic automation.

smt is an independent partner who, in close cooperation with the customer, can implement the automation in parts or completely with the press and the furnace.

The environmental conditions of the building are taken into account as well as the production requirements with the logistics, batch and part size and the required output rates.

The engineering of a complete concept from the blank supply up to stacking of finished parts is our claim. In addition to the mechanics, this also includes the controls and operation of the system.

We rely on our extensive experience in the automotive industry and press-shop automation and the possibilities we have with our own development, design and production in order to realize the best customer-specific solution.

smt | Solution

Advantages of smt solutions

- High productivity by using our dynamic transfer solutions
- Short part-changeover times in the die during loading/unloading
- Low energy consumption due to low moving masses
- High quality by having our own mechanical engineering and fabrication
- Use of high-quality components with worldwide availability
- Easy maintenance due to good accessibility of the system components
- Test run and acceptance in our own factory
- Easy operation with the smt visual control system
- Safe operation by having a continuous position control of the transfer axes and the press ram (with absolute encoders)



smt | Destacker

The destacking area can be realized with 2- to 4- axis linear gantry systems or robots. An automatic tool-change is possible and the loading via pallet carts or with fixed stations can be implemented depending on the customer and according to the

batch sizes. Double blank reject bins and marking stations are part of our scope of supply as well as the safety fencing and controls.

smt | Press Transfer

smt builds and supplies high-dynamic press transfer systems with up to 12 servo axis. For a fast and efficient loading and unloading of hot forming presses, we offer modular series with different load capacities (from 50 to 200 kg) and strokes.

The transfer is synchronized with the press via an electronic cam and can be adjusted optimally to the requested cycle with the highest output. Obviously our electronic 3D-Transfer-system also works in a 2D-Feeder-mode, to fit the customers' needs.

smt | End of Line - Racking

smt realizes different systems from simple unloading on conveyor belts up to fully automated racking systems. This also includes shuttle systems, gripper-tooling and the safety fencing.

Beside the automatic components our scope of supply also includes the line and main controls of the application, as well as the complete commissioning and setup at our factory and at the end customer site.

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