

SIMOTION SimoPress

Solution for mechanical universal presses

Automating your mechanical universal presses is now even easier and more cost-effective. With our SIMOTION SimoPress solution you can rely on functional, experienced expertise.

Benefits:

- **Maximum flexibility:**
Due to scalable products, systems and solutions.
- **Easy and user-friendly operation of the entire plant.**
- **Quick and easy conversion for new production parts.**
- **Scaled performance of the drive and operator components.**
- **Can be used with standard components:**
SIMOTION, SINAMICS, SIMATIC HMI, and distributed I/O.
- **Open application-based solution:**
Can be individually adapted by the OEM.

Product Brief • 2006/2007

metal forming

SOLUTIONS



Would you like a solution that not only optimizes press operation, but also permits fast tool changing? Then we have the perfect solution for you:
The SIMOTION SimoPress application covers all of the main features for your mechanical universal press.

The highlight: Together with the SIMOTION SimoTrans, SIMOTION SimoFeed and SIMOTION SimoRoll solutions, we can offer you a complete press package. Thus the entire Press Shop can respond even more flexibly, cost-effectively and productively to changing production requirements.

SIEMENS

SIMOTION SimoPress

A variable for greater cost effectiveness

Overview

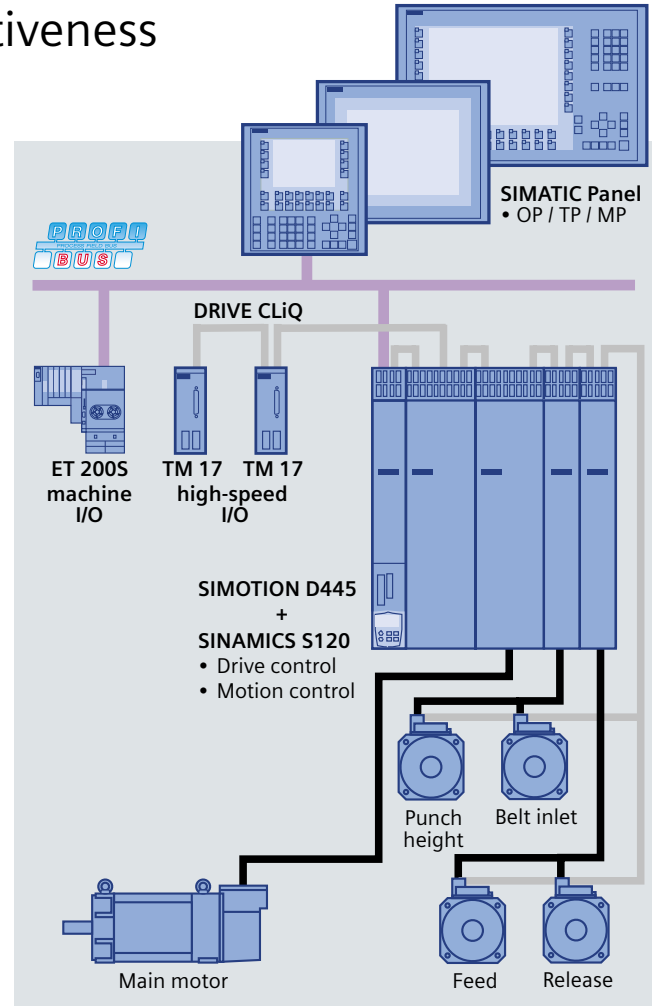
Mechanical universal presses stand out due to their high degree of flexibility, since they can be used both for cutting and for reforming. Combined with individual, progressive dies, small to medium-sized parts can be manufactured.

Sequential (logic), motion and technological functions can be easily combined with the **SIMOTION SimoPress** technology application. Thus we are offering complete, fully documented and pre-tested press functions for

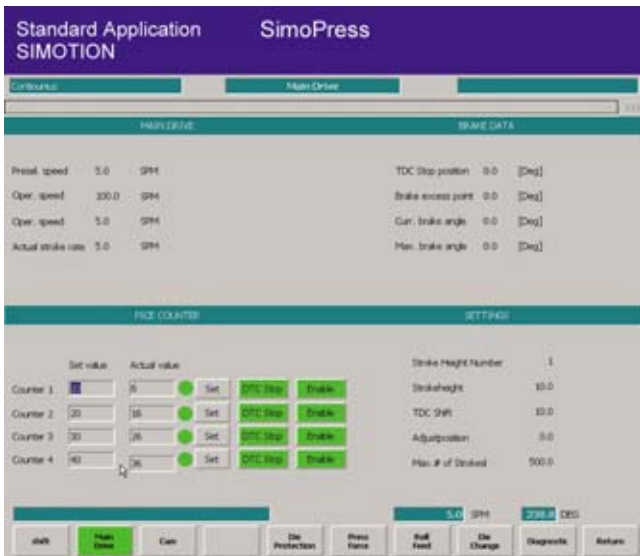
- main drive control, cam control,
- die protection and press force monitoring.

We also offer complete operating screens for ProTool/Pro or WinCC flexible to keep your engineering overhead as low as possible.

And best of all: It doesn't matter which restrictions apply or whether the compact, PC-based, or drive-related version SIMOTION SimoPress is to be used. SIMOTION can be used on any platform.



Example of automated mechanical universal press



Example of HMI screen

SIMOTION SimoPress highlights

- Main drive control, with preset stroke rate and ramp up
- Positioning of the main drive for adjusting the stroke height or die changing
- Cam control with dynamic deceleration angle calculation for TDC stop
- Process monitoring, such as die protection and press force monitoring
- Static and dynamic position and feed control and counting cams
- Tool and machine data administration
- Path-Path and Path-Time cams mode selection with and without dynamic offset
- Fully documented, pre-tested sample project.

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