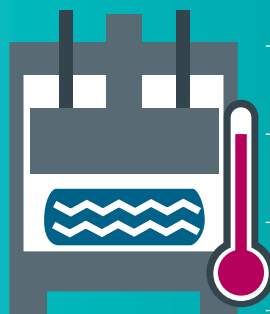


**SIEMENS**

*Ingenuity for life*

## Configure curing presses more efficiently

Scalable automation solutions with Safety Integrated and the open software library in the TIA Portal for curing presses

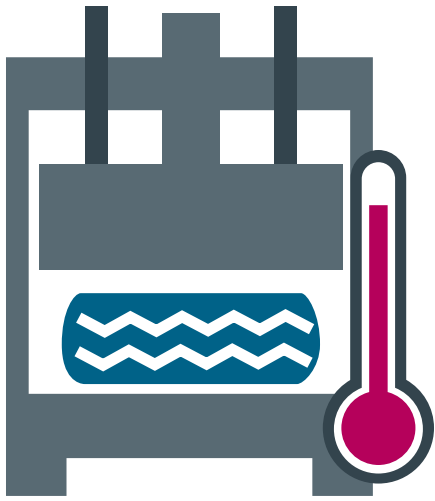


— Curing Toolbox

— Safety Integrated

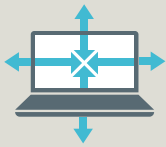
— Compact I/O systems

— Scalable



# Uniquely efficient: Tire press library and Safety Integrated

Your benefits at a glance



## Maximum efficiency and flexibility thanks to standards

Intuitive, cross-plant operation thanks to standardized, customizable user interfaces and preconfigured modules: The automation of your curing presses with products and systems from Siemens offers you a clear competitive edge. The free Curing Toolbox open software library is available for implementing the functions.

All automation components can be efficiently planned and configured via the TIA Portal. Predefined modules simplify configuration and shorten the time to market. For example, the SIMATIC HMI library provides ready-made images and proven components to meet all requirements. Standardized, customized user interfaces simplify operation.

The machine status model based on ISA 88 defines the different operating scenarios for curing presses. It reduces on-the-job training time, increases operating efficiency, and simplifies maintenance. The same modes are reflected in the plant control system (MOM). Together, they increase operating transparency and productivity.



## Faster engineering thanks to free application modules

The TIA Portal Engineering Framework helps you simplify engineering. The integration of all the major components of your automation project – including safety, security, control, HMI, drives, switching devices, decentralized peripherals, motion control, and power distribution – minimizes your engineering time. The self-generated curing press library in the TIA Portal (Curing Toolbox) also simplifies the conversion into efficient machine applications and shortens plant integration.

[siemens.com/tia-portal](https://www.siemens.com/tia-portal)



## More room in the control cabinet thanks to a compact I/O system

The innovative SIMATIC ET 200SP is up to 50 percent narrower than other decentralized I/O systems and saves additional space through an integrated energy meter and safety modules in the standard module format.

[siemens.com/ET200SP](https://www.siemens.com/ET200SP)



**Optimize availability, reduce costs. Qualified technical support for engineering and services for all curing press maintenance activities:**

- Fast restoration of functioning with Break/Fix Services
- Increased availability with Preventive Services
- Increased maintenance productivity with Predictive Maintenance and reduced costs through Energy Analytics Services

[siemens.com/fa-services](https://www.siemens.com/fa-services)



**Extreme reliability, low costs, and high time savings**

Maximum process safety through safe, fault-tolerant applications thanks to seamlessly integrated safety engineering and standard-compliant reports via a Safety Evaluation Tool: With Safety Integrated, you can save money and space while ensuring the functional safety of curing presses in accordance with the general Low-Voltage and Machinery Directive and the EN 16474 curing press standard. Uniform standard and safety diagnostics functions also reduce downtimes, thus ensuring higher curing press availability and productivity.

[siemens.com/safety-integrated](https://www.siemens.com/safety-integrated)



**A faster, trouble-free start through advance simulation**

Through virtual simulation, you can intensively test the curing press's electromagnetic behavior in advance, optimize it, and put it into operation safely and quickly. You can also use simulation tools to analyze material flows, resource utilization, and logistics.

[siemens.com/tecnomatix](https://www.siemens.com/tecnomatix)



**Cost-effective fulfillment of any requirement**

Thanks to the scalable portfolio of SIMATIC controllers, HMIs, and peripherals, any press can be precisely tailored to the necessary performance range.

[siemens.com/simatic](https://www.siemens.com/simatic)



**Optimized signaling concept for safe operation and rapid fault detection**

Take advantage of a standardized, software-based signaling concept. The optimized flashing/lit logic in the Curing Toolbox quickly and safely guides users to the cause of the fault.

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Subject to changes and errors. The information given in this document only contains general descriptions and/or performance features which may not always specifically reflect those described, or which may undergo modification in the course of further development of the products. The requested performance features are binding only when they are expressly agreed upon in the concluded contract.

Siemens offers automation and drives products with industrial security functions that support safe operation of the plant or machine. They are an important component in a holistic industrial security concept. With this in mind, our products undergo continuous development. We therefore recommend that you keep yourself informed with respect to our product updates, and that you only use the latest versions in each case.

You can find information on this at:

<http://support.automation.siemens.com>.

There you can also register for a newsletter specifically about these products.

To ensure the secure operation of a plant or machine, it is also necessary to take suitable preventive action (e.g. cell protection concept) and to integrate the automation and drive components into a state-of-the-art, holistic industrial security policy for the entire plant or machine. Products used from other manufacturers should also be taken into account here.

For more information, go to  
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