AGILA PRESS

Agila's new generation of presses are designed for processes where precision and repeatability are key. Built with European craftsmanship and high-quality components, they simulate industrial processes on a smaller scale—ideal for developing new compounds, testing formulations, and preparing reproducible samples. Beyond R&D, they also handle production processes like composite laminating, powder sealing, and vulcanization with ease.

Reproducible samples
Consistent press parameters ensure reliable lab results.

Completely silent during curing

Automated cycles and rapid heating/cooling
Faster cycles boost capacity.

Features

- Press force from 200 kN to 7000 kN
- Open and closed compression molding
- Platens from 296 mm to 1000 mm (heating/cooling)
- Temperature control up to 250 °C (upgradeable to 400 °C)
- Step programming up to 50 steps with recipe management
- Pressure ramping and bump cycles
- Efficiency – Automated cycles and rapid heating/cooling shorten lead times, boosting production capacity.
- OPC-UA datalogging readiness
- Compact, low-noise machine housing
- Temperature ramp function



Optional features

- Multiple daylights
- Vacuum chambers
- Connectivity for data mining & quality control
- Historical trending (process data storage)
- Extraction hood with fan & lighting
- Roller table (with/without lifting actuator)
- Integrated or separated cooling systems
- ISO/ASTM certified molds
- Pharma-ready builds
- Custom configurations available

Range

PE20, PE30, PE60, PE100, PE170, PE700

Benefits

- Precise material processing: controlled pressure and temperature for molding rubber and thermoplastics.
- Reproducible samples: consistent press parameters ensure reliable lab results.
- New material development: test innovative compounds for tensile strength, elasticity, and thermal stability.
- Simulation of industrial processes: prototype with lab-scale efficiency before scaling up.
- Efficiency & time savings: quick sample preparation without heavy industrial equipment.
- Compatibility with testing equipment: suitable for tensile testers, DMA, TGA, and more.
- Long-term parts availability (20+ years)
- Laminating composites: accurate temperature control for fiber/resin curing.





Contact us for a demo or tailored quote.

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Scan the QR code to see the Agila press in action.