

RTM: > Stand W65
**hot-injection machine for
single-component resins**

The MonoMat-Epx500 RTM injection machine is the latest in an already well-stocked range of RTM machines and accessories from Matrasur



Composites.
The new machine opens up new possibilities for users of heat-activated single-

component resins commonly used in high-performance composites.

The machine is based on a hydraulic-jack principle and offers an exceptional operating range with a precisely regulated flow of 10 to 1400 cc/min.

The wide range is possible partly because of the brushless motor technology and partly because of the control system that adjusts the jack's speed in real time, as a function of the pressure data provided by the tooling. The machine can be regulated for constant flow or speed as needed, which cuts down on the injection time without jeopardizing either the mould or the part.

The exothermic risk is taken fully into account through a gradual and staged temperature management in the machine circuit, meaning that the machine can be loaded before heating. This is also useful in terms of rinsing operations, which are kept to a minimum with this machine.

Six parameters are recorded, including temperature(s), pressure(s) and flow(s), with the data saveable to a flash drive. The data can also be exported in real time to a remote computer through a server integrated into the machine.

To meet the needs of the more highly specific applications, Matrasur Composites researches other versions and accessories on a per-case basis.

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