



RTM/VARTM INJECTION & INFUSION SYSTEMS

Standard and custom solutions:

High quality and precision systems designed for either laboratories or serial production. Hybrid configurations are offered via a combination of gear pumps, piston pumps and pressure tanks.

One or two component thermoset/thermoplastic resins:

Our team helps define the best equipment configuration and technology according to the resin/application, production volume and budget. Possible integration with our presses or ovens via the synchronization of process parameters to a supervision station.

2 Component units, gear pumps



1 Component Piston metering RTM unit



Injection/Infusion tank system



Thermoplastic RTM unit

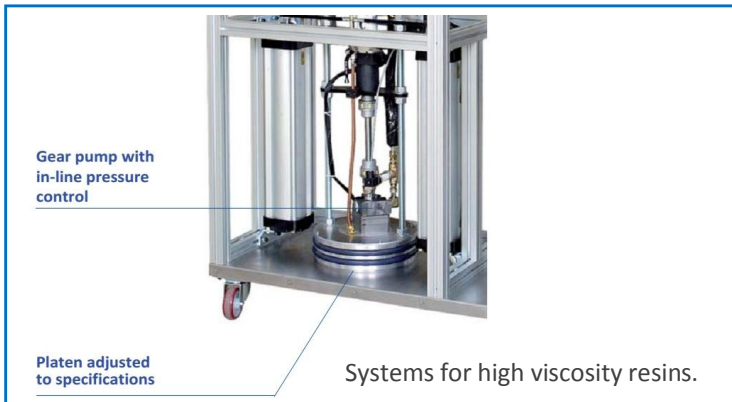
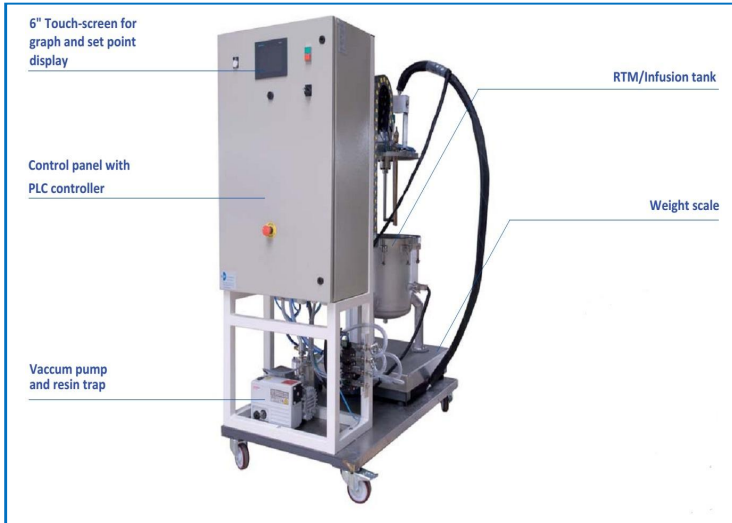


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SPECIFICATIONS OVERVIEW



Capabilities:

- Injected weight measurement & proportional pinch valve for VaRTM/RTM tank system
- Piston or gear pump metering for RTM systems
- Customizable piston/tank capacity, with heating and controllable speed agitation
- Vacuum pump & transducer for in-piston/in-tanks and/or mold degassing
- Integrated inline flow meters with monitoring & auto-correct system for meter mix systems
- Programmable automatic material refill systems
- PLC + PC hardware with advanced production software for enhanced data storage, more automated supervision & programming, network connectivity and remote assistance

Main features for meter mix injection systems:

- Pressure controlled / flow controlled
- High-precision electronically controlled mix ratios
- Servomotor controlled metering
- Precise temperature regulation/heating of the entire resin distribution circuit
- Mixer manifold isolates materials until they enter the disposable static mixer,
- No solvents needed for mix head. Easy to operate and to maintain.
- High precision corrosion-resistant gear pumps
- Touch screen PLC controller: user-friendly software for process data acquisition, monitoring & production traceability. Recipe programming with set points/injection boundary conditions