## SMART INJECTION

To optimize the injection process, Techni-Modul Engineering (TME) has designed an automated and ecofriendly solution for small parts injection : SMART Injection. This innovative compact system has a capacity 0 - 30cl, heating 120°C and pressure up to 8 bars.

Our aim is a continuous innovation. With this spirit, we make the world of composite parts manufacturing more efficient and more eco-friendly. Our primary objective is that our knowledge feeds the future.

SMART Injection is a solution to inject resin on dry perform with RTM process without any injection machine. Thanks to this technology, the resin is injected directly to the mold. The quantity used is adapted to the volume of resin required for the part.





Our goal is to be visionary





	INJECTION MACHINE		CONCLUSION
LABOR TIME	30 MIN	15 MIN	50% LABOR REDUCTION
CONSUMABLES	55€	6€	89% CONSUMABLE REDUCTION
RESIN WASTES	200 G	40G	80% RESINE WASTE REDUCTION



SMART Injection is compatible with our presses. Standard Presses engineered for maximum performance in a wide variety of configurations for thermoset process.



SMART Injection is also adaptable to our standard mold for sample plate to complete your lab equipments.



## BENEFITS

- Reliability: automated cycle
- Save time: easy cleaning and maintenance of the SMART Injection block
- Ecological: no resin waste in the injection machine and in the injection tubing
- Decrease consumables costs: no injection tubing



## **OPTIONS**

- Injection capacity 0 60 cl
- Pressure up to 20 bars
- 1 day remote training
- 100 sets of membranes Inlet/Outlet

## TME AT A GLANCE

Techni-Modul Engineering is an industrial engineering company that designs, realizes and implements standardized and turn-key solutions in support of composite parts manufacturing. We provide optimized and innovative composite manufacturing solutions worldwide for various processes and for different functions.

www.tme-composites.com - Mail : info@tme-composites.com

