

TARTLER



Design example with buffer tank

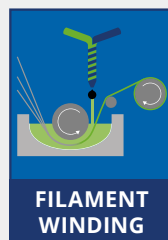
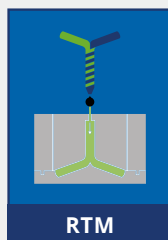
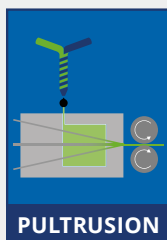


T-EVAC

VACUUM DEGASSING UNIT

Process-integrated vacuum evacuation of air and moisture from synthetic resin and hardener before metering and mixing

Degassing capacity up to 1000 litres/hr.



T-EVAC

VACUUM DEGASSING UNIT

WHY DEGAS?

- ▶ Air and moisture that affect quality are removed from the resin
- ▶ improved manufacturing process
- ▶ improved product quality

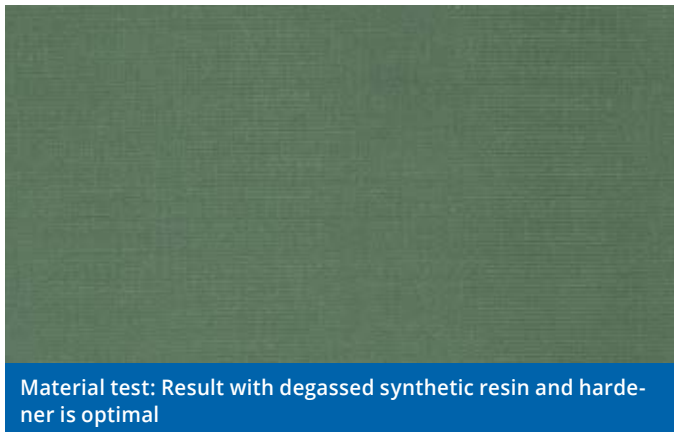
We present: the vacuum degassing unit T-EVAC for the process-integrated evacuation of air and moisture from synthetic resins and hardeners before dosing and mixing.

Thus we offer to all users who use the methods of vacuum infusion, wet moulding, resin transfer moulding (RTM) and pultrusion another means of decisively improving both their moulding processes and their product quality. The new degassing unit is suitable for epoxy resin and polyurethane resin degassing. The system solution design comes in two versions: in the form of offline degassing at a central point, from where you can fill the tanks of multiple dosing systems with degassed material. The second version comes as inline degassing, directly integrated into the dosing system and tailored to the process requirements.

The outstanding degassing quality is measurable and has already been verified in test series and applications at our customers.

MEASURABLY BETTER RESULTS WITH DEGASSED MATERIAL

The pictures are taken of two infused composite panels made out of 24 layers of 1200 gsm UD reinforcement infused with epoxy normal to fibre orientation at 30°C.



TECHNICAL DATA (of the shown system)

Maximum degassing capacity	1000 l/h
Vacuum level	< 5 mbar abs.
Control	Siemens PLC control with 7" HMI screen
Equipment	<ul style="list-style-type: none">▶ Automatic Vacuum pump protection system▶ Automatic controlled water-heating system with heat recovery
Optional equipment	<ul style="list-style-type: none">▶ Automatic water-cooling system available▶ 1200 litre IBC MX feeder system with Kamlok connection▶ 1000 litre vacuum buffer tank with automatic filling

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