

# VACUUM DEGASSING SYSTEM FOR RESIN

**MECHATECH SYSTEMS**

TECHNICAL VACUUM EXCELLENCE SINCE 2008

**MOBILE, STAINLESS STEEL CHAMBER,  
CENTRAL CONTROL PANEL, FOR DEGASSING RESIN**

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The Vacuum Resin Degassing System is designed for the purpose of processing resin prior to it being dispensed into mould tools, and temperature curing. The system removes air from the encapsulant and any trapped volumes to ensure a bubble-free final encapsulation.

The Vacuum Resin Degassing System consists of a vacuum chamber, a vacuum pump and a control console mounted onto an open framework.

The stainless steel vacuum chamber has a semi circular shape at the back for the purpose of reducing the free air volume. There are two fixed external lights and one movable angle poise lamp for illumination.

The door is made from toughened glass, giving a full view to the whole of the inside of the chamber and is protected by an outer acrylic screen.

A manual air admittance valve is located on the right hand side of the chamber and a spare vacuum port is also available at the rear.

The system includes a pouring mechanism and leadthrough. The pouring handle is designed to hold a range of beakers from 95-130mm diameter and 95-130mm height. There is an integral mechanism for raising and lowering the turntable.



The resin degassing system is fitted with an Edwards E2M18 vacuum pump, complete with exhaust mist filter and inlet trap and solenoid operated air admittance valve.

The controls are mounted on the front of the electrical control box. The heated turntable within the chamber is used to maintain the temperature of already heated moulds during the resin pouring process. The temperature set point is manually adjusted using a digital controller.

All vacuum degassing systems are designed, manufactured and supported from our factory near Bristol, UK. Following Factory Acceptance Testing, our after sales support includes installation and commissioning, operator training, 12 months warranty (extendable to 24 months with a service contract), and a regular maintenance contract if required.

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