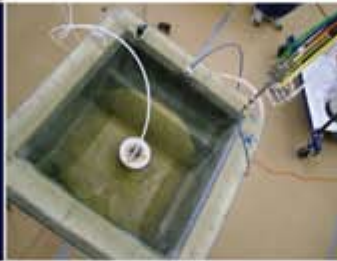


# Hypaject MKIII

RTM SYSTEM



***Handles A Wide Variety of Thermoset Materials***

***High Level of Versatility***

***Ideal for Small Batch Production***



# Hypaject MKIII

RTM SYSTEM



The Hypaject® range of Resin Transfer Moulding (RTM) machines has been in production for over 15 years and has developed from a need to simplify the process handling of a wide variety of thermoset resins. The Hypaject® is available in a range of configurations developed to meet the ever-increasing technical demands of our customers. The system offers a versatile package for small batch production, research & development and aerospace type activities. Using the pressure pot principle, pre-mixed resin systems are drawn into the machine under vacuum, actively degassed, heated (optional) and then dispensed under pressure into the mould cavity. Processing requirements of single part epoxy materials such as Hexcel's RTM6 and Cytec Engineered Materials' single part resin systems have led to the development of heated systems complete with higher levels of control and monitoring.

#### GENERAL SPECIFICATIONS:

- 6 Litre frame mounted homogeniser with 2 removable seals
- Frame mounted control cabinet
- Venturi vacuum load/degas system
- Regulated pressure inject system
- Actuated load valve
- Actuated injection valve
- 3/8" load and injection pipe
- Turbo Autosprue open/close switch

#### Additional optional equipment available for the Hypaject MKIII:

1. Standard Spares Pack – Part Ref: 2074
2. Optimal Mould Vacuum Service – Part Ref: 2085
3. External Pressure Source – Part Ref: 2096
4. External Vacuum Source – Part Ref: 2106
5. Weight Transducer with readout – Part Ref: 2117
6. Pressure Transducer with readout – Part Ref: 2124
7. Internal Homogenizer Thermocouple – Part Ref: 2125
8. Readout for Internal Homogenizer Thermocouple – Part Ref: 2126
9. 2 Channel Heating System – Part Ref: 2127
10. 3 Channel Heating System – Part Ref: 2129
11. 5 Channel Heating System – Part Ref: 2130
12. Optional Resin Container Height Control (manual) – Part Ref: 2131
13. Turbo Autosprue™ with quick connector fittings and a heavy-duty resin feed hose and clear drain hose or directly connected to the heated outlet hose item 11 above - Part Ref: 5856

#### Recommended Configurations:

Standard Polyester, Epoxy, etc.: Options 1,2,3,8

Standard Polyester, Epoxy with requirements for general heating: Options 1,2,3,8,9,10

Hexcel RTM 6: Options 1,2,3,6,7,8,9,11,13

Hi viscosity, single part epoxies requiring heating prior to processing: Options 1,2,3,6,7,8,9,12



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