

Fast RTM Mixing/injection head

- ✓ Structural & aspect parts;
- ✓ High fiber contents;
- ✓ High quality;
- ✓ High impact strength;
- ✓ Repeatability
- ✓ Automated production;
- ✓ Short cycle time;
- ✓ Rapid mold filling.
- No mechanical mixing;
- No head cleaning needed ;
- Low emission system;
- Simple, compact;
- Easy to handle.

Standard epoxy resin execution: available beginning 2017

- . 3 components;
- . Mixing ratio
- . Epoxy resin: 100
- . Hardener: 17 – 34
- . Release agent: 1 – 4
- . Viscosity at injection temperature: 200 cPs
- . Maximal output flow rate for epoxy resin: 8l/min
- . Input line pressure monitoring (output pressure sensor: 4-20mA)

Standard Polyester & Vinylester: available September 2017

Reactive polyamide resin: available 2018



Technical assistance:

- . Selection of resins and adjustment of the formulation (commercial resins)
- . Process parameters optimization with the wording of Customer
- . Simulations parts and processes,

After-sales support:

The rehabilitation is carried out in the workshops of CEMCAT or directly by the Customer.
A spare parts kit is available in the case of a maintenance made by the Customer.

Fast RTM Dosing unit

Standard execution:

- . Working tank sizes :
- . Epoxy resin: 120 l
- . Hardener: 60l
- . Release agent: 10 l
- . Temperature monitoring
- . Mass flow monitoring
- . Injection pressure monitoring
- . Thermoregulated tank for epoxy resin
- . Mechanical stirrer for epoxy resin
- . Pumps
- . PCU & Display 15 inch TFT with touchscreen



Specific execution:

Depending on the customer specifications, CEMCAT can study other sizings (a detailed specification must be provided).