

## RTM Lite Dispensing Unit

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The Robinson Lite Dispensing Unit is a system designed for low pressure injection moulding. Catalysed resin is injected under very low pressure by a 4:1 ratio resin pump into the closed mould containing a pre-cut fibreglass matrix.

By using very low pressure or vacuum assistance injection into the mould, air is displaced completely by the resin without the risk of pushing the fibreglass aside.

The resin impregnated fibreglass cures producing an even resin/fibreglass matrix of quality and strength.

Materials are accurately used in the closed mould process when using Robinson's RTM Lite Dispensing Unit. Wastage due to mixing by hand or by spraying is eliminated giving considerable saving.

The simplicity of the Robinson's RTM Lite Dispensing Units enable high quality, match moulded articles every time.

#### Features:

##### System Versatility:

Robinson's RTM Lite Dispensing Units are simple to use and because of the lightweight trolley is easily manoeuvred and transported.

##### Internal Mix:

Robinson spiral mixing head ensures 100% distribution of catalyst and resin resulting in high strength components.

##### Performance:

Using the very low pressure of the 4:1 ratio resin pump, outputs of 0.5Kg/Min are achieved.

##### Environmental Comfort:

Robinson's RTM Lite Dispensing Unit is a passive method of producing FRP components and by using accurately measured materials, wastage is eliminated giving a clean working environment. The non-spray application of RTM produces the lowest level of emissions possible.

##### Savings of Material and Time:

RTM production produces high quality and high turnover components. Under these production rates, wastage by other application methods is eliminated by using RTM/closed mould application. All the materials used go directly into the mould and nowhere else.

##### Operation:

Simplicity and mobility are features of Robinson's RTM Lite Dispensing Units. Low pressure operation means longer life of components and lower maintenance. The flush system uses acetone and air purge system to totally clean the gun and mix head. A very visible catalyst flow indicator gives the operator confidence in catalyst slave pump operation.



Design specifications subject to change without notice.

Specifications:	
Resin System:	Output 0.5kg-5kg/min Ratio 4:1
Catalyst System:	Positive displacement slave pump linked to resin pump. ratio 1%-2% of resin flow
Air Consumption:	8 CFM at 100 psi
Unit Weight:	48kg. Complete in packing box - 73kgs.
Hose Length:	Standard length 9.1metres
Accessories:	Extra length hoses Boom platform trolley Resin counter Multi-pump operation for diferent resins Vaccum pump

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