



PRODUCT

**TWINFLOW FR300
TWINFLOW FR1200**

The Twinflow FR300 and FR1200 are medium and high output fixed ratio metering, mixing and dispensing machines

The Twinflow FR300 and FR1200 machines are ideally suited to processing adhesives, sealants, encapsulants and other 2 component resin systems.

They use the unique and patented single cylinder drive system combined with fixed ratio pumps in a modular design which meets the needs of today's high performance, high accuracy manufacturing industry.

At the heart of the machines are two patented 'Posiload' positive displacement pumps, sized to match ratio, which maintains shot size accuracy independent of material viscosity and ambient temperature. The FR300 and FR1200 can process viscosities up to 1,000,000cps at outputs from a few grams to several kilograms a minute. All resin materials are contained within separate enclosed reservoir systems and mixing takes place in a minimum volume chamber, which greatly reduces waste.

The versatile design allows for a wide range of options to be built into any machine, making it adjustable for many far reaching applications throughout industry.



TWINFLOW FR300



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Technical Specification

	STANDARD FEATURES	STANDARD OPTIONS
EQUIPMENT	FR300 & FR1200	FR300 & FR1200
Reservoir Tanks	<ul style="list-style-type: none"> Material feed standard reservoir capacities 10L, 18L, 25L, 45L mild steel or stainless steel 	<ul style="list-style-type: none"> Material agitation with reservoirs Vacuum reservoirs Material heating Bulk feed material supply Material level sensing
Metering Pumps	<ul style="list-style-type: none"> Metering pump FR300 - Posiload positive displacement 15-55mm bore Metering pump FR1200 - Posiload positive displacement 15-100mm bore Metering accuracy better than +/- 0.5% Ratio range FR300 - pre-selected pump size to give fixed volumetric ratio from 1:1 to over 25:1 FR1200 From 1:1 to 100:1 ratio Typical outputs FR300 3kg/min FR1200 10kg/min Viscosity acceptance up to 1,000,000cps 	<ul style="list-style-type: none"> Anti abrasion pumps Heated pumps
Mixing Head	<ul style="list-style-type: none"> Mixing - choice of static mixing head or dynamic electric or pneumatic head, fixed position 	<ul style="list-style-type: none"> Vertical swivel mixing head Hand held mixing gun Support boom
Hoses		<ul style="list-style-type: none"> Heated hoses
Machine Control	<ul style="list-style-type: none"> Machine drive single pneumatic cylinder and patented FRL fixed ratio direct drive system Controls - on/off switch, regulation of dispense pressure and output rate, foot pedal or push button cycle start 	<ul style="list-style-type: none"> Flow monitoring PLC & HMI control Interface with remote equipment, i.e. robots Control options include automatic anti-gel timer with alarm Hydrocheck speed/flow control

