



## Process Gear Mix 100 Advanced

### **PGM 100 Advanced systems for the metering, mixing and application of low**

The PGM 100 Advanced is a low output metering system used in the application of low to medium viscosity thermoset materials. The machine has been used to dispense urethanes, epoxies and RTV silicones for a large number of UK Companies.

The system has the ability to monitor and adjust the ratio, within limits set by the client. The system will shut down should excessive deviation occur. Important for application where specifications need to be met for the process.

What does this machine do? Dispense epoxy resin through disposable static mixing at the end of a 6 metre hose pack, manual operation.

## METERING AND MIXING SYSTEMS

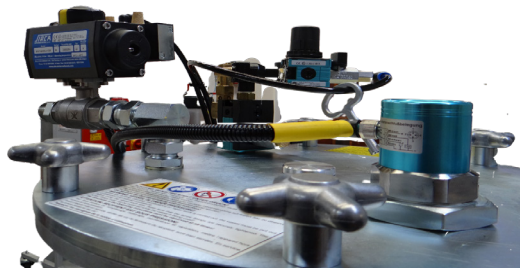




# PGM 100 Advanced



The PGM 100 Advanced touch screen panel for data entry.



## Area of Application:

Epoxy metering to encapsulate waste products for safe disposal in nuclear decontamination process.

## Process

### Requirments:

The system is metered into canisters to ensure contaminates remain in suspension and do not coagulate into a dangerous mass. It is important that the ratio is correct and hence has flowmeter monitoring.



The PGM 100 Advanced two components 90 litres and 45 litres

## Key Information:

- UK Manufactured PGM320 System.
- 15" touch screen monitor with graphical display to give an overview of the application.
- 90 & 45 Litre pressure vessels with capacitance level probes.
- Medium speed precision gear pumps 6 cc/rev with gear flowmeters which will check mix ratio every 100cc or so.

	PGM 100 Advanced
<b>Material capacity:</b>	90 litres on a component 45 litres on B. (others sizes avaiable up to 500 litres per component)
<b>Description</b>	Variable ratio metering system with touch screen PLC for data entry. Flowmeters to monitor & control application ratio.
<b>Control System</b>	Windows Embedded PLC with 15" touch screen and graphic 7h
<b>Ratio Control</b>	Via in-line flowmeters
<b>Motor size</b>	Up to 2.2 kW
<b>Hose length</b>	6 Metres with trace heating.
<b>Output</b>	5kg/min. (Other outputs available by changing the pump size)
<b>Mixer system</b>	Disposable static
<b>Power requirments</b>	16 amp three phase.
<b>Dimensions (LxBxH)</b>	1500mm x 1000mm x 2200mm



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