



Process Gear Mix 100 Standard 3K

**PGM 100 systems for
the metering, mixing
and application of low
viscosity materials.**

The PGM 100 system has been formatted to process 2 urethane formulations utilizing a common isocyanate. This allows the operator to change from solid to foam and back again at the flick of a switch.

The materials have a rapid cure profile enabling a lightweight component to be produced easily & quickly by a single operator.

The system uses disposable static mixer tubes and a conventional spray method although an airless tip is an option.

METERING AND MIXING SYSTEMS





PGM 100 Standard 3K



The PGM 100 control system utilises potentiometers for ratio and flow adjustment.



Process Requirements:

The application is to spray apply a carbon filled RIM (Reaction Injection Moulding) material into a mould. This initial coat is reinforced with the application of a urethane foam backing before finally coating the back surface with another coat of the RIM product to make an integral structure with high impact strength that can be demolded quickly.



The PGM systems can be fitted with pressure vessels for degassing or heating of the materials.

Area of Application:

Manufacture of lightweight, high strength, composite panels

Key Information:

Variable ratio, easy to use machine that allows a fast change between the foam and rigid material formulations.

Solid resin component is filled so heating & Agitation fitted.

PGM 100 Standard 3K	
Description	3 component system to apply rigid PU elastomer and low density structural foam to composite structures.
Material capacity	3 a 24 litre vessels with 1.0 kW heating per component. Rigid PU vessel with agitation.
Control System	PGM 100 with potentiometers for ratio & flow adjustment
Ratio Control	By Potentiometers
Motor size	3 x 0.55kW
Hose length	8 Metres
Output	2.5Kg/min
Mixer system	Disporable static aith air atomisation. Manual flush.
Dimensions (LxBxH)	1100mm x 650 mm x 1300mm



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