



## PolyTool 8420

PolyTool 8420 System  
for the application of  
Seamless Modelling  
Paste



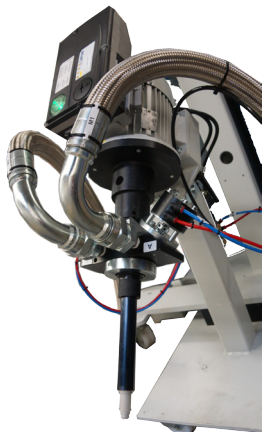


# PolyTool 8420

The PolyTool systems have been especially developed for the processing of low density Epoxy pastes formulated to cut quickly by CNC routing systems.

The 8420 is the latest generation of 2KM machines that has been formatted to meet the end users capital and technical requirements. The system is based around large volumetric displacement gear pumps directly coupled to Inverter controlled, geared AC motors, of 4kW power.

These pumps are mounted on a pneumatic ram press that gives a positive material feed into the metering pumps. The ram operation is via a 2 hand safety system, preventing trap points, and utilises a drum change operation to eliminate faults caused by manual cycling of the pumps in dispensing mode. The ram presses are fitted with linear transducers to report the displacement of the material, from the drums, back to the display. Here the relative positions of the follower plates are displayed as a ratio allowing the operator to see material consumption matches application requirements.



From the metering system a large bore hose pack takes material to the mixing head. For low density and compressible materials, the 2KM "Rotary Static" mixer system gives excellent mixing in a small length allowing the mixer to be positioned close the point of application, reducing mixed material hose length and material wastage.

The PolyTool 8420 system provides a solid platform for difficult materials in varied application areas.

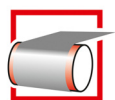


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Description	Gear Metering system with Inverter controlled Geared AC Motors directly coupled to metering pump.
Control System	Lenze PLC with 4 line LCD display for data entry.
Pressure	Max 100 bar (1450 psi) with over and under pressure settings.
Ratio Control	Liner transducers to monitor and display displacement from material drums.
Motor size	4 kW. (5.3 hp)
Hose length	Standard is 4 metres. (approx 12 ft)
Output	75cm <sup>3</sup> /rev metering pumps coupled to 66 rpm motors giving a maximum theoretical flow of 10 litres per minute. (Depending on Viscosity and Mixer system).
Mixer system	32 mm (1-1/4") static mixer or 25 mm (1") 4 element rotary static mixing.
Dimensions (LxBxH)	1500 mm x 1200 mm x 2450 mm (60" x 50" x 97"), with drum change.
Power requirements	3 phase with earth standard 380 to 480 volts ( option 208v 3 phase).



Bonding



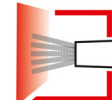
Coating



Composite



Moulding



Spraying

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