



PAR 2-E

DATA SHEET

THE PAR2-E MICRO SHOT METERING MIXING & DISPENSING MACHINE

Specifically developed to meet the increasing demand to dispense small discrete volumes of homogeneously mixed two-part materials at a controllable flow rate, the PAR2-E incorporates mechanically linked positive displacement metering pumps to provide precise dispensing of shot sizes ranging from 0.04ml to 8.0ml.

The PAR2-E is available as a free standing electrically driven bench top machine with foot pedal actuation.

Alternatively it's lightweight construction allows it to be mounted directly onto an articulated robot or the Meter Mix XY System Cartesian robot for point of application dispensing.



An extensive range of metering pump sizes and low volume disposable static mixing nozzles ensures that the PAR2-E can be tailored to suit most application requirements handling material mix ratios from 1:1 to 18:1.

Metering Pumps: Single acting positive rod displacement.

Ratio Range: Fixed ratios available from 1:1 to 18:1

Shot size: See example chart below

Cycle rate: Up to 40 per minute

Mixing: Disposable low volume static mixer

Reservoir Capacity: Various options available from 0.5 litre reservoirs to 20 litre bulk transfer systems

Controls: Machine on/off, emergency stop + reset..

Programmable dispense volume and flow rate using standard pc protocol via on-board programming connection

Services: Single phase 220/240 volt

EXAMPLE: Typical dispense volume range according to mix ratio

Please note that the PAR2 can accommodate mix ratios from 1:1 to 18:1 and the table below is an illustration only

Metering Pump Range	1:1 Mix Ratio		2:1 Mix Ratio		5:1 Mix Ratio		10:1 Mix Ratio	
	Minimum Volume	Maximum Volume	Minimum Volume	Maximum Volume	Minimum Volume	Maximum Volume	Minimum Volume	Maximum Volume
Micro	0.04ml	0.4ml	0.06ml	0.6ml	0.13ml	1.26ml	0.24ml	2.33ml
Midi	0.48ml	4.7ml	0.36ml	3.52ml	0.29ml	2.82ml		
Maxi	0.8ml	7.9ml	0.6ml	5.97ml	0.48ml	4.7ml	0.44ml	4.37ml

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