

Compact Dry Materials Batching Plant



POWER-SPRAYS

Complete batching system for dry and liquid materials

Automated screw conveyors feed the sand and cement

Steel Structure bolts together for ease of transportation, and quick assembly

Dispenses into 2x GRC125BT Combination Mixers as standard

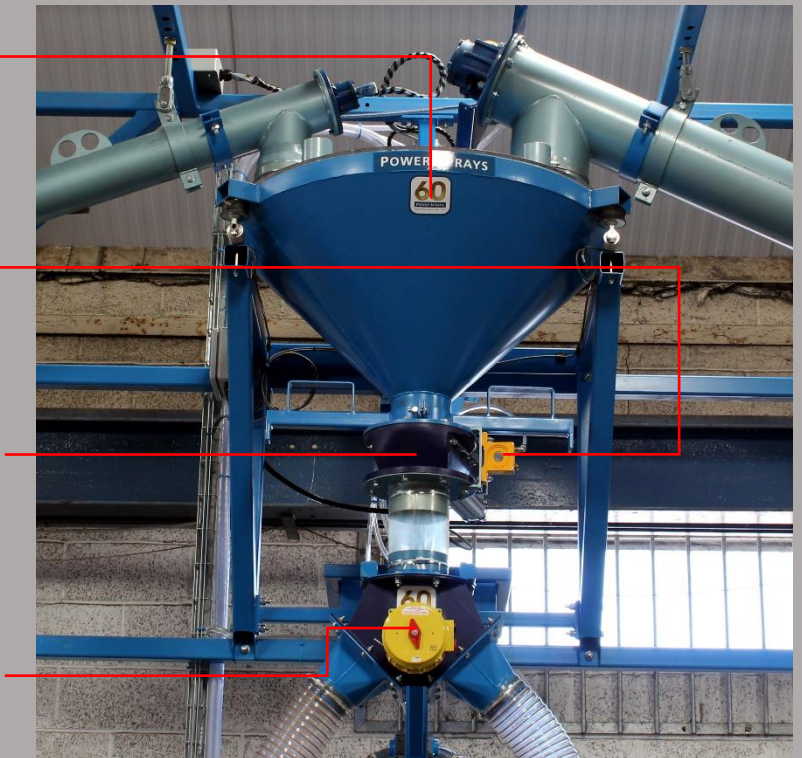


Dry Materials Weigh Vessel, with capacity for 100kg sand and cement

Vibrator operates automatically to ensure all material is discharged

Automated Slide Valve for controlled dispensing

Diverter Valve to dispense into one of two mixers



Control Panel Assembly can be positioned according to the factory layout

Dry Materials Control Panel

Liquids Control Panel (not included, see WAAPS 3000 brochure for full details)

Pneumatic Control Panel



Can be connected to a big bag discharger, or silo

Two speed, 3kW motor, conveys up to 100kg/min

6m conveyor, with adjustable supports, for feeding cement



Can be connected to a big bag discharger, sand hopper, or silo

6m conveyor, with adjustable supports, for feeding sand

Auto lubrication system for minimal maintenance



Anti-static, flexible hose feeds the dry materials directly into the mixer

Closed-loop system prevents dust escaping

Inspection hatch also allows manual addition of pigments and additives

Modified lid allows a standard GRC125 Combination Mixer to be used in conjunction with the batching plant

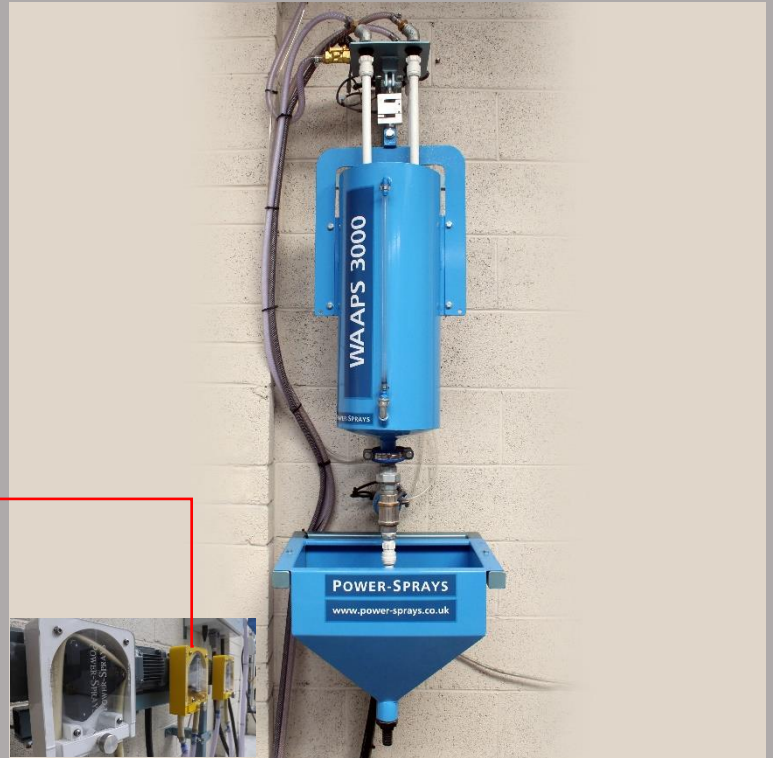


Recommended Machines

WAAPS 3000 Liquid Dispensing System

Weigh cylinder and control panel can be easily integrated to the batching plant's support structure

Two tri-roller peristaltic pumps, each rated at 3L/min*, for dispensing additives



GRC125 Combination Mixer BT

Powerful 9.2kW, IP55 rated motor, with variable speed control

65L capacity mixing vessel – up to 125kg of GRC

Bucket trolley to easily move the mix around the factory



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Accurate dispensing of materials used in Glass fibre Reinforced Concrete production is vital for both quality and cost control. The Compact Dry Materials Batching Plant enables this with the push of a button.

The weighed system used in the batching plant allows up to 30 recipes to be programmed, with precise control over the sequence of events.

The system comprises a 160L weigh hopper, diverter valve to dispense into one of two mixers, two screw conveyors and an option of two big bag dispensers (one for sand and one for cement), a hopper, or connection to a silo. Includes a digital control module and pneumatic panel. Combined with the WAAPS 3000 Liquid Dispensing System, this offers quick, precise, and accurate dispensing of all the raw materials required.

Power-Sprays offers a wide choice of batch weighing systems for both liquid and dry materials.

Specifications

Sand Storage	1500kg Big Bag Discharger (1000kg sand hopper available as alternative)	
Sand Conveyor	6m, hood fed, screw type	
Cement Storage	1500kg Big Bag Discharger	
Cement Conveyor	6m, hood fed, screw type	
Weigh Hopper Capacity	160L (100kg dry materials as standard)	
Discharge Valve	Automated slide valve, with additional diverter valve to dispense into one of two mixers	
Overall Dimensions	Standard - Side Mounted Dischargers	14.0m wide x 4.8m high x 2.0m deep
	Alternate - Rear-Mounted Dischargers	3.2m wide x 4.8m high x 7.4m deep
Component Dimensions	Big Bag Discharger (x2)	1.4m wide x max 4m high x 1.4m deep
	Control Panel Frame	1.5m wide x 1.9m high x 0.5m deep
Electricity Supply	380V, 50/60Hz	
Air Supply	5.5bar (80psi)	
Liquid Dispensing	WAAPS 3000 Liquid Dispensing System (refer to separate brochure for full specifications)	
Mixers	GRC125BT Combination Mixers as standard (refer to separate brochure for full specifications)	

Why Buy from Power-Sprays?

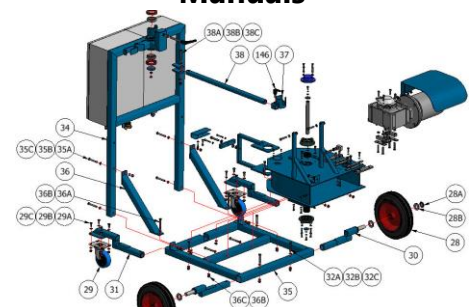
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