

COBOD MINI BATCH PLANT

Item No. | FGBP00000003 (US)



The COBOD Mini Batch Plant is part of the recommended material equipment used in the production of concrete in immediate proximity to the construction site. The plant is specially developed to accommodate the requirements when wanting to 3D print with locally sourced concrete.

The machine is built on a steel frame, where the batch plant comprises of an agitator pan mixer resting on three loading cells, a hopper with two compartments, one for sand and one for aggregates, V-shaped feeding belts, water tank, dosing equipment for two chemical substances, and a control unit at the back of the plant, with a batching computer.



Key Performance Parameters	Unit	Value
Volume (Gross/Net)	[yd3]	0.6/0.4
Capacity	[yd3/h]	4 - 6.5
Power Supply, Voltage	[V]	480Y/277
Phase	-	3P+N+PE(WYE)
Frequency	[Hz]	60
Power Supply, Current*	[Amp FLA/IR]	25/30
Lifting Bars For Crane	[no.]	4
Load Cells	[lbs]	3 × 4400

*A 30kVA generator can be used as power supply for the batch plant as a standalone unit. For the entire concrete material supply system and printer, it is recommended to opt for a 100kVA.

Technical Specifications	Unit	Value
Dimensions (W x D x H)	[ft/in]	7'7" x 17'1" x 8'2"
Weight	[lbs]	6614
Motor Output, Mixer Motor	[kW]	7,5
Mixing Arms/Side Scrabers	[pcs.]	4/1
Weighing Accuracy	[%]	+/- 0.5
Dosing Accuracy	[%]	+/- 3
Recipes	[no.]	50
Aggregate Hopper	[yd3]	2 × 3.1
Enlarged Silo Sides	[yd3]	2 × 2.0
Total Silo Capacity w. Enlarged Sides	[yd3]	2 × 5.1
Water Tank	[gal]	132
Minimum Water Pressure	[Bar]	2
Max. Voltage Fluctuation	[%]	+/- 10
Required Bed Plate Flatness	[°F]	41

