

The new WASP Printer for
dense fluid materials

Delta WASP 3MT **CONCRETE**



With its huge closed work area and the multi-tool system Delta WASP 3MT INDUSTRIAL 4.0 LDM defines a new standard in the world of additive manufacturing of LDM (Liquid Deposition Modeling).

Delta WASP 3MT CONCRETE 3D Printer Optimized for Big-size Printing

With this big dimension 3D printer is possible to create concrete products thanks to an innovative extrusion system equipped with a special mortar pump and a screw-driven extruder.

Furthermore the MDF pallet bed and the removable front lower beam allow to remove, once the printing activity is completed, the printed objects both via pallet truck and forklift.

Delta WASP 3MT INDUSTRIAL 4.0 LDM can be connected to Wi-Fi network so that you can manage your printer from smartphone, tablet or PC. Inside the printer there's now a camera for monitoring the print even from remote.



CONCRETE

Delta WASP 3MT
CONCRETE

Pressure Sensor
continuously measures the pressure

Mortar Pump
with Control Unit



Delta WASP 3MT INDUSTRIAL 4.0 LDM is manufactured in metal with strong steel cored belts and is equipped with special grid panels to work in complete safety.

Continuous Feeding System Capacity 80L

The LDM WASP Extruder XXL is feeded using a mortar pump that delivers the material through a tube. The flow rate is controlled via a pressure sensor mounted on the extruder inlet, that is capable of continuously measuring the pressure and therefore the flow of outbound material in order to achieve the best extrusion conditions. By using the pump control unit, all the pumping variables can be set according to the type of material and to the paste consistency.

Continuous Feeding System consists of: mortar pump (80 l) with control unit, 5 m long tube with pressure sensor at the outlet.

Industrial 4.0 LDM



Huge Volume

Ø 1000 mm x 1000 mm = 1000 L

Real-Time Control

Real-time control of pumping and extrusion variables

Flow Max

250 L / h

XXL Screw Extruder

Retraction control during the extrusion

Multi-Material

Concrete - Natural Mixtures - Clay

Wi-Fi Module

Machine connected to the network for monitoring and control

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LDM WASP Extruder XXL

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Continuous Feeding System

Load volume: 80 L

Concrete - Clay - Earth

Ø from 8 to 30 mm





Delta WASP 3MT INDUSTRIAL 4.0 LDM is compatible with LDM WASP Extruder XL and allows printing clay materials in big size.

LDM WASP Extruder XL

With this big dimension 3D printer is possible to create clay products thanks to a very precise screw extruder that continuously rules the amount of outbound material.

Feeding tank 3-5 L

Clay

Ø 4 6 8 mm

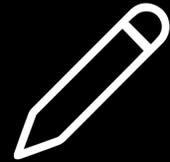
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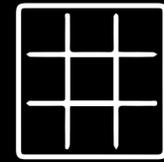
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