

GL-3DPRT/RS



NO.3
AXE
LAB-KUKA ROBOT
CONCRETE 3D PRINTER

INTRODUCTION

Star products of universities, scientific research institutes, enterprises and institutions for digital forming technology material performance research, 3D printing of building structural components, 3D printing of small concrete products, etc.

SIZE

Equipment size:
5000mm*2000mm*1500mm
(L*W*H)

Effective printing range:
6000mm*1700mm*1200mm
(L*W*H)

SPECIFICATION

Model Number	GL-3DPRT/RS
X-axis (m)	15
Y-axis (m)	2
Z-axis (m)	1.5
Max printing speed (mm/s)	100-300mm/S
Robot reach	1.5
Nozzle model	Round
Nozzle diameter(s) (mm)	Round 10, 20, 30, 40
Nominal bead ratio W:H	3: 01
Thickness of printed layer	10-30mm
Weight of the Machine	2t
Semi-Continuous Mixing	Yes
Progressive Cavity pump	Yes
Accepted Materials	3D printable Mortars
Default maximum aggregate size (mm)	0-5mm
Silo capacity	100L
Material Pump Rate L/MIN	0-30L /min
Hose Nominal Diameter (mm)	38mm
Motor power	PUMP 7kw, Mixer 5KW
Type	Screw type
Input Type	三相
Input frequency (Hz)	50
Voltage	PUMP & Mixer-400-480V, 3D Printer -220V
Total power	7kw, 10.5kw
Control method	Fully automatic online real-time control
Motion control system	Yes
Rapid code control	Yes
3D model automatic processing control	Yes
G-Code Control	Yes
CAD 2D path automatic control	Yes
Software	1.Moli itself has excellent slicing algorithm function 2. Support custom third-party slicing software
Setup Time In Normal Use	<30min
On-Site Training	Yes
Slicing Training	Yes