

GL-3DPRT/C3



NO.6
MIRANA PLUS
ON-SITE CONSTRUCTION
PRINTER

INTRODUCTION

This on-site construction 3D printer is specifically designed and manufactured for the printing and construction of 2-story villa buildings, catering to clients in both Italy and Dubai. It features excellent smoothness and stability, enabling efficient and precise on-site printing and construction at the building site. This configuration manual provides comprehensive information about the printer's specifications and settings.

SIZE

Equipment size:
24000mm*15000mm*11000mm
(L*W*H)

Effective printing range:
20000mm*12000mm*97000mm
(L*W*H)

SPECIFICATION

Model Number	GL-3DPRT/C3
X-axis (m)	15 ~ 30m
Y-axis (m)	10 ~ 20m
Z-axis (m)	5 ~ 10m
Max printing speed (mm/s)	100-300mm/S
Nozzle model	1. Round, 2. Rectangular vector rotating head
Nozzle diameter(s) (mm)	Round 10, 20, 30, 40; Rectangular 15*60
Nominal bead ratio W:H	3:01
Thickness of printed layer	10-30mm
Weight of the Machine	20t
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 or Piston pump
Input Type	三相
Input frequency (Hz)	50
Voltage	400-480V
Total power	25kw
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