

GL-3DPRT/C2



NO.5
MIRANA
MEDIUM INDUSTRIAL
CONCRETE 3D PRINTER

INTRODUCTION

The GL-3DPRT-C2 Construction 3D Printer is capable of on-site in-situ printing for single-story house constructions. Furthermore, it can be used in a factory setting to print various types of small-sized building components, landscapes, and other architectural elements. This configuration manual provides detailed information about the printer's specifications and settings.

SIZE

Equipment size:
15800mm*8800mm*5250mm
(L*W*H)

Effective printing range:
12000mm*6000mm*4000mm
(L*W*H)

SPECIFICATION

Model Number	GL-3DPRT/C2
X-axis (m)	15.80 (12.00)
Y-axis (m)	8.80 (6.00)
Z-axis (m)	5.25 (4.00)
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	10t
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 4KW, Mixer 3KW
Type	Screw type
Input Type	PUMP & Mixer 三相, 3D Printer 二相
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