



GL-3DPRT/C1

NO.4
SHAPER
MEDIUM INDUSTRIAL
CONCRETE 3D PRINTER

INTRODUCTION

It is suitable for assembly enterprises, construction enterprises, landscape engineering enterprises and municipal construction enterprises to carry out concrete 3D printing engineering applications, with stable printing performance and high efficiency.

SIZE

Equipment size:
6810mm*4650mm*3710mm
(L*W*H)

Effective printing range:
5500mm*3550mm*2500mm
(L*W*H)

SPECIFICATION

Model Number	GL-3DPRT/C1
X-axis (m)	6.80 (5.50)
Y-axis (m)	4.65 (3.55)
Z-axis (m)	3.71 (2.50)
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	4t
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	7-40 L/MIN
Hose Nominal Diameter (mm)	25mm, 35mm
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	Custom twente slicing software
Setup Time In Normal Use	<30min
On-Site Training	Yes
Slicing Training	Yes