

GL-3DPRT/L



NO.2
CARVER PLUS
LAB-GRADE
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:
2550mm*2350mm*2520mm
(L*W*H)

Effective printing range:
1800mm*1700mm*1500mm
(L*W*H)

SPECIFICATION

Model Number	HC-3DPRT/L
X-axis (m)	2.5 (1.8)
Y-axis (m)	2.35 (1.7)
Z-axis (m)	2.52 (1.5)
Max printing speed (mm/s)	50-200mm/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	10-20mm
Weight of the Machine	1t
Semi-Continuous Mixing	Yes
Progressive Cavity pump	Yes
Accepted Materials	3D printable Mortars
Default maximum aggregate size (mm)	0-5mm
Silo capacity	80L
Material Pump Rate L/MIN	0-20L /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, 2.5kw
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