



GL-3DPRT/RL

NO.7
RANGER
ON-SITE CONSTRUCTION
PRINTERV

INTRODUCTION

6+2 axis robot, with self-propelled function and automatic feeding function, has a high degree of intelligence and is applicable to a wide range of scenarios.

SIZE

Equipment size:
Arm Dim. of the Printer 2.7 m , Dim. Extended Arm 1.0m

Effective printing range:
4500mm*3500mm*3500mm (L*W*H)

SPECIFICATION

Model Number	GL-3DPRT-RL
X-axis (m)	(Mobile)
Y-axis (m)	4.5
Z-axis (m)	3.5
Max printing speed (mm/s)	100-300mm/S
Robot reach	3.1
Nozzle model	Round
Nozzle diameter(s) (mm)	Round 10, 20, 30, 40
Nominal bead ratio W	3:01
Thickness of printed layer	10-30mm
Weight of the Machine	3.5t
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	PUMP & Mixer 三相 (Three-phase), 3D Printer 二相 (Two-phase)
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