

3D Construction Printer

Introduction

The COBOD BOD2 is a gantry-based 3D construction printer known for its large build volume and high printing speed. It can print structures up to 14.6 meters wide, 8.1 meters tall, and with no limit on length. The BOD2 achieves impressive printing speeds of up to 1000 mm/s with a safety fence, making it one of the fastest construction 3D printers available.



Cobod Printer

Applications

- Prototyping
- Urban and habitable projects
- Street furniture
- Concrete bases for wind turbines
- Manholes
- Underground tanks



Street benches

How Does it Work?

The COBOD BOD2 3D construction printer builds structures layer by layer using concrete. It utilizes a gantry system with a print head that moves along three axes (X, Y, and Z) to deposit the material according to a pre-programmed path. The printer can handle various tasks, from foundations to walls, and even offers options for smoothing the concrete layers for a better finish.



The print path

Technical Specifications

- Max Width: 14.6metres
- Max Height: 8.1 metres & height of concrete feet
- Max length: No limit (can be extended)
- Maximum Printing Speed: Up to 1000 mm/s (with safety fence) or 250 mm/s (without safety fence)
- Layer Height: 5-40 mm
- Layer Width: 30-300 mm
- Material Flow: Up to 7.2 m³/h (at 1000 mm/s with 5cm wide and 4cm high print)
- Max Aggregate Size: 10 mm