

# Industrial FFF 3D Printer Built for the Factory Floor

Powered by BCN3D's  
invention,  
**IIDEX** technology



Speed. Intelligence. Resilience.

The new BCN3D Omega I60 redefines what industrial 3D printing can achieve. With an AI-powered assistance system, machine vision tool alignment, and an active spool control system that feeds or retracts material as needed, every print is faster, smarter, and more reliable.

Built for industrial use and cyber-resilient by design, the Omega I60 delivers powerful performance and consistent precision — print after print.



**Massive Print Volume**  
450x300x450 mm  
(17.7x11.8x17.7 in)



**Active Heated Chamber**  
Up to 70°C



**High Speed Ready**



**Material Operations System**

Material recovery (70°C)  
Low humidity (<10% RH)

# MAIN SPECIFICATIONS



## Technology

FFF (Fused Filament Fabrication)



## Architecture

IDEX (Independent Dual Extruder system)  
Developed and optimized by BCN3D for 10+ years



## Print modes

Single mode, Duplication mode, Mirror mode, Dual mode.



## Materials

BCN3D Filaments  
Open Filament Network  
Third party filaments (free license)



## Safety features

Emergency stop button  
Hepa and Carbon filter  
Light towe signal  
Uninterruptible power supply (UPS)  
Safety pause



## Filament diameter

1,75 +/- 0,05mm



## Tip

Hotend Tip 0.4 HR (Included)  
Hotend Tip 0.6 HR  
High Speed Hotend Tip 0.4 HF  
High Speed Hotend Tip 0.6 HF  
\*Quick-swap nozzles



## XYZ assisted calibration system

Tool alignment with machine vision  
AI-powered assistance system



## Build chamber

Heated bed up to 120°C  
Active heated chamber up to 70°C



## Extrusion system

Direct Drive Bondtech™ LGX Pro



## Connectivity

Offline printing: USB  
Online printing: Wifi or Ethernet  
Compatible with BCN3D Cloud



## Slicer

Free BCN3D Stratos



## Printing volume

450x300x450 mm (17.7x11.8x17.7 in)



## High speed ready

Built-in accelerometer  
Electronics 32 bits ATSAME51



## Materials operations system

Material recovery (70°C)  
Low humidity (<10% RH)  
Automatic switching  
Pre-loading filament system  
Active spool control system



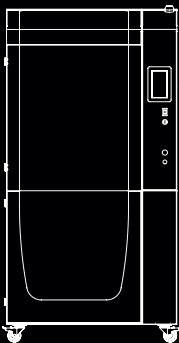
## User experience

Flexible build plate  
Built-in camera  
7" capacitive touchscreen



## Industrial-grade cybersecurity

Fully compliant with GDPR and leading European cybersecurity standards.  
Encrypted communications and strict access control ensure data confidentiality and integrity.



BCN3D Omega I60 **G2**

**22.500€ / 24.500 USD**