

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

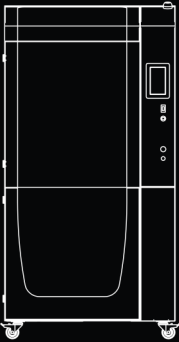
**Printing volume**
450x300x450 mm (17.7x11.8x17.7 in)

**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**