ELEMENTO

LARGE FORMAT 3D PRINTER

Shaping the matter

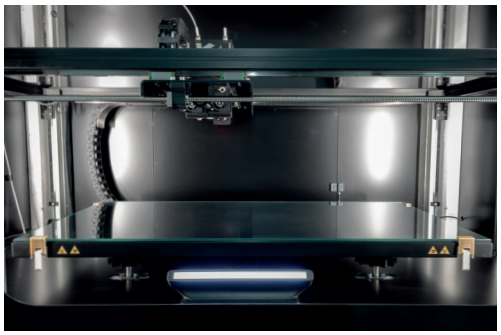
fabbriX®

Fabbrix® Linear Technology

Fabbrix® introduces **precision and high speed** for movements on all 3 axes with a new linear technology control system, using Balls Bearing Screws, for the best materials deposition ever seen before.

Build Platform with Automatic Bed Leveling

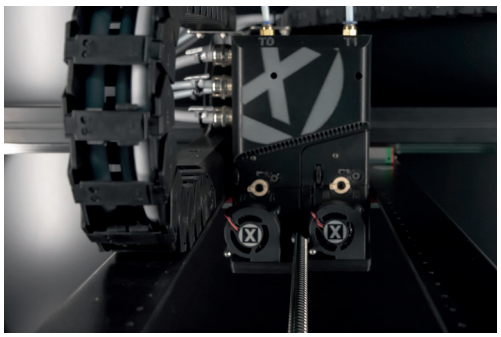
With a build volume of **1000x560x530 mm**, Fabbrix® ELEMENTO is designed to print huge and small **industrial parts.**
The aluminum/glass heated print bed allows the best first 3D printed layer thanks to a auto-leveling sensor that can precisely measure the tilt of the bed surface.



Automatic Extruder Lifting System

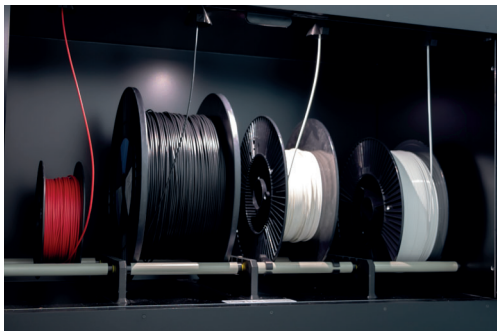
Direct dual super extruder moved by auto-lifting system.

Available nozzles:
0.6 mm, 0.8mm, 1 mm, 1.2 mm



Open Materials System

ELEMENTO provides the best environment for 3D printing Fabbrix® materials and third-party **industrial grade materials** like PP, PPS, SMART ABS, PLA HT, PET, ASA, BVOH, NYLON PA12 NYLON CARBON, NYLON GF.



Industrial components

All metal extruders

Active temperature control

Remote monitoring

FEATURES

INDUSTRIES

Aerospace

- Naval

Automotive

- Art&Design
- Construction

Product Development

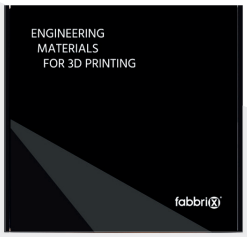
- Packaging
- Consumer goods

Medical Applications

What's next?

TECHNICAL SPECIFICATIONS

3D printer model	Fabbrix® ELEMENTO (v2.1)
Technology	FFF (Fused Filament Fabrication)
Printer size	1810x1218x1890 mm
Printer weight	475 Kg
Printhead	Double direct extruder with automatic nozzle lifting system and filament run-out sensor
Nozzle diameter	0.6 mm, 0.8 mm, 1 mm, 1.2 mm
Filament diameter	2.85 mm
Layer resolution	0.6 mm nozzle: 320 - 160 micron 0.8 mm nozzle: 480 - 240 micron 1 mm nozzle: 640 - 320 micron 1.2 mm nozzle: 740 - 480 micron
XYZ resolution	5 - 5 - 2.5 micron
Build volume	1000x560x530 mm
Build speed	150 mm/s
Build plate	Heated aluminum/glass build plate
Build plate leveling	Automatic bed leveling sensor
Build plate temperature	20 - 100 °C
Nozzle temperature	180 - 300 °C
Connectivity	Wi-Fi, LAN, USB port
Slicing software	Ultimaker Cura / Simplify3D
Interface	Touchscreen Display + Fail Safe
Safety and security	CE certified, self-locking door system, HEPA filter
Supported materials	Fabbrix® materials, third-party materials



FABBRIX® MATERIALS

Industrial-grade materials for specific applications or basic filaments for regular purposes. Choose the material that best suits your needs and your business field.

PP • PPS • SMART ABS • PLA HT • PET
ASA • TPU • CNT • BVOH • NYLON PA12
NYLON CARBON • NYLON GF