

MAKE IT SMARTER

S300X

FIL11 | FIL11

DOUBLE DOWN.

FOSTER YOUR
PRODUCTIVITY & AGILITY.



1

IDEX: multi material
& production modes

2

Safety, traceability,
connectivity

3

Industrial grade
thermoplastic

4

Fast &
reliable



Made in
France

MATERIALS



FILAMENT

Thermoplastic

- PLA
- PETG
- PA
- TPE/TPU
- HIPS
- PVA
- PEKK
- ABS/ASA
- PVDF
- PP
- PC

SPECIFICATIONS

Toolheads

Two independent extruders (IDEX)
Direct dual drive large gears filaments extruders
500°C max. extrusion temp.
Water-cooled heatbreaks
Quick-swap nozzles
0.40 mm to 1.20 mm nozzle diameter
Ø1.75 mm filaments
Soft and abrasive filament compatible

Motion & accuracy

Layer height: 100 µm > 1 mm
Resolution: X-Y = 12.5 µm, Z = 1.0 µm
Speed: X-Y = 1000 mm/s, Z = 50 mm/s
Acceleration: 10000 mm/s²
Built-in accelerometers

Print job protection

End of consumables detection
Resume printing after power failure
Clogging detection

Electronics

32 bits Atmel ATSAME70 : ARM Cortex-M7
3000MHz

Thermal environment

Heated build plate: 20°C to 160°C
Heated chamber: 20°C to 80°C
Heated material bay: 20°C to 60°C

Power

110-120V/15A or 220-240V/8A, 50/60Hz

Dimension

L 1092 x l 688 x H 1010 mm

User safety & security

HEPA & activated carbon filtration system
Built-in camera

Data

Traceability of operations
Industrial propriety protection

Automatic calibration (one click)

Leveling of the printing surface
Tool length calibration
Nozzle XY offsets calibration

Connectivity

Ethernet
Online & offline
Open API

Software

Open - Simplify 3D bundled
HUB (online)

User experience

Stand-alone touch screen and web interface

Print volume

X 300 mm x Y 250 mm x Z 280 mm

Build surface

Removable, hot-swappable, ground surface