

Southwestern Industries, Inc

3D Printers from 3ntr – A2



Dimensional Data

- Printer Dimensions – 940 x 715 x 1125 mm
37 x 32 x 44.3"
- Printer Weight – 110 kg | 242 lbs.
- Shipping Dimensions – 1041 x 831 x 1321 mm
41 x 32.7 x 52"
- Shipping Weight – 226kg | 498 lbs.

Electro/Mechanical Data

- Ambient Operating Temperature – 16-32° C | 61-90° F
- Storage Operating Temperature – 5-40° C | 41-104° F
- AC Input – 220/230 Vac – 15A
- Power Supply – 24Vdc - 13A
- Connectivity – USB, Micro SD, LAN
- Steel Cabinet/Frame Construction – 2mm (.08") Powder Coated
- Clear Panels – Polycarbonate
- Heated Print Bed – Anticorodal 6082

Printing Specifications

- Printer Technology – FFF
- Number of Extruders – 2 or 3
- Maximum X-Y Axis Speed – 300 mm/s | 11.8"/s
- Maximum Z Axis Speed – 2 mm/s | .08"/s
- Maximum Extruders Speed – 43 mm/s | 1.7"/s
- Build Envelope (WxDxH¹) – 600 x 325 x 500 mm
23.6 x 12.7 x 19.6"
- Positioning Precision - X-Y – 11 Microns | .000433"
- Positioning Precision - Z – 5 Microns | .0002"
- Positioning Precision Extruders – .9 Microns
- Filament Diameter – 2.85mm +/- .1 mm
- Standard Nozzle Diameter² – .4 mm | .01575"
- Maximum Extruder Temperature³ – 430° C | 806° F
- Maximum Heated Bed Temperature⁴ – 160° C | 320° F
- Maximum Heated Chamber Temperature⁵ – 90° C | 194° F
- Minimum Layer Thickness – 50 Microns | .00197"

¹ A2 depth (D) is 35 mm (1.38") less with three nozzles installed

² Available nozzles: .3 mm, .4 mm, .6 mm, .8 mm & .4 mm hardened anti-abrasion

³ Standard/Optional maximum nozzle temperature: 450° C on 2 of 3 nozzles

⁴ Measured at the heater on the aluminum print base

⁵ In conjunction with heated bed at maximum temperature

All specifications are subject to change due to ongoing research and product development