

Southwestern Industries, Inc

## 3D Printers from 3ntr – A4



### Dimensional Data

- Printer Dimensions – 528 x 515 x 615 mm  
20.7 x 20.2 x 24.2"
- Printer Weight – 43 kg | 94 lbs.
- Shipping Dimensions – 681 x 620 x 920 mm  
26.8 x 24.4 x 36.2"
- Shipping Weight – 69kg | 152 lbs.

### Electro/Mechanical Data

- Ambient Operating Temperature – 16-32° C | 61-90° F
- Storage Operating Temperature – 5-40° C | 41-104° F
- AC Input – 110/120 - 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 (WxDxH<sup>1</sup>) – 295 x 195 x 190 mm  
11.6 x 7.6 x 7.4"
- 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 Diameter<sup>2</sup> – .4 mm | .01575"
- Maximum Extruder Temperature<sup>3</sup> – 430° C | 806° F
- Maximum Heated Bed Temperature<sup>4</sup> – 160° C | 320° F
- Maximum Heated Chamber Temperature<sup>5</sup> – 90° C | 194° F
- Minimum Layer Thickness – 50 Microns | .00197"

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<sup>1</sup> A4 depth (D) is 39 mm (1.54") less with three nozzles installed

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

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

<sup>4</sup> Measured at the heater on the aluminum print base

<sup>5</sup> In conjunction with heated bed at maximum temperature

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