# AX3DPRINT
## INDUSTRIAL 3D PRINTING SOLUTIONS



| TECHNICAL DETAILS | | P3DT_400_S_TIPUS | P3DT_400_D_TIPUS |
|---|---|---|---|
| **Overall dimensions:** | Unpacked dimensions: | 680 x 570 x 720 mm (26.78 x 22.44 x 28.35 in) | |
| | Packed dimensions: | 810 x 760 x 850 mm (31.9 x 29.9 x 33.5 in) without pallet | |
| **Weight** | Printer weight: | 52 kg (115 lbs) | |
| | Printer weight with all equipment: | 85 kg (183.34 lbs) | |
| **PRINTING SPECIFICATIONS** | | | |
| **Build Volume (xyz)** | | 400 x 300 x 400 mm (15.75 x 9.45 x 15.75 in) | 400 x 240 x 400 mm (15.75 x 9.45 x 15.75 in) |
| **Resolution** | Layer adjustable: | from 0,08 up to 0,3 mm (0.003 up to 0.012 in) | |
| **Achievable precision:** | | Max. precision: 0.1 mm / 100 mm (0.004 in/ 3.93 in) | |
| **Printing & Travel speed** | Maximal printing speed – Vase mode: | up to 180 mm/s (7.09 in/s) | |
| | Standard mode: | up to 80 mm/s (3.15 in/s) | |
| | Maximal travel speed: | up to 230 mm/s (9.06 in/s) | |
| **Nozzle diameter:** | | 0.2 / 0.3 / 0.4 / 0.5 / 0.75 mm (optional) (0.007 / 0.011 / 0.015 / 0.019 / 0.029 in) | |
| **Hot end** | Standard version temperature: | up to 280°C (536°F) | |
| | High temperature hot end version: | up to 405°C (761°F) | |
| **Heated printing bed** | Temperature: | up to 105° (221° F) | |
| | Power consumption: | 180 W | |
| **ELECTRICAL CONNECTION & POWER SPECIFICATION** | | | |
| **Power supply** | Electrical input: | 240V 50/60 hz (110V) - one phase | |
| | Power consumption: | 350 W | |

| | Plug: | Standard EU plug (other standards possible) |
|---|---|---|
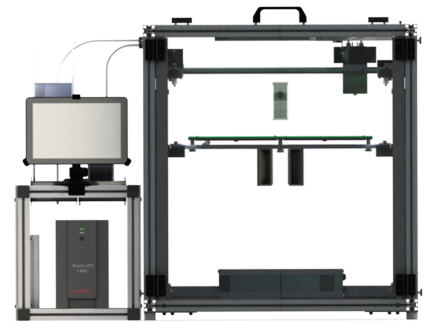
## OPERATING CONDITIONS

| **Supported connectivity** | | Wi-fi, Ethernet and USB |
|---|---|---|
| **Humidity and temperature** | Humidity: | Relative operating humidity from 30% up to 70% Rh |
| | Temperaure: | Overall temperature from 10°C<br>(50°F) to 32°C (90 °F) |

## FILAMENT UNWINDER & PRINT MATERIAL SUPPORTED

| **Filament spool unwinder** | Dimensions: | 460 x 310 x 340 mm (18.11 x 12.2 x 13.4) |
|---|---|---|
| | Weight: | 8 kg (17.6 lbs) |
| | Capacity: | 2x up to 2,5 kg filament spools (5.51 lbs) |
| | Construction: | Aluminium profiles supported by strengthen covered partly by plexiglass |
| **Supported material types** | | PLA Extrafill/PLA Crystal Clear, TPU/TPE Flexfill Flexible, Timberfill, Nylon, Vinyl, ABS Extrafill, CPE, ASA, PC, Carbon, Hyps, PMMA |

## SOFTWARE

| **Operating software for printers** | | Repetier Server including Slicers |
|---|---|---|
| **Operating System for Repetier Server on Workstation (PC)** | Windows OS: | Windows 7, Windows 8, Windows 10 |
| | Linux OS: | Ubuntu, Debian, Redhat, Fedora |
| **Operating System for Tablet** | Windows OS: | Windows 7, Windows 8, Windows 10 |
| | Linux OS: | Ubuntu, Debian, Redhat, Fedora |

## ADDITIONAL EQUIPMENT FOR PRINTER
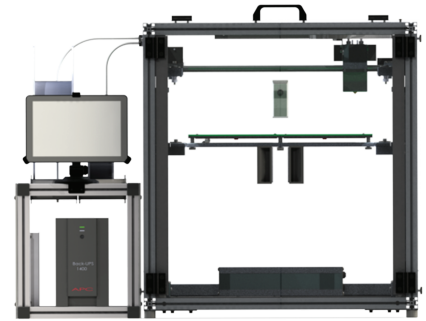
| **Full HD Wi-fi camera** | Dimensions: | 132 x 41 x 40 mm (5.2 x 1.57 x 1.61 in) |
|---|---|---|
| | Video quality: | 1920 x 1080 p Full HD |
| | Power: Camera: | 12V DC/1A |
| | Lens: | 1.30 mm / F2.5 |
| | Operating conditions: | 0–80° C |
| **UPS battery backup** | Output Capacity: | 1400 VA / 700 W |
| | Output Voltage: (On utility): | 230 V |
| | Output Voltage (On battery): | 230 V +/-8% |
| | Input voltage: | 150 –280 V |
| | Unit weight: | 12.0 kg (26.4 lbs) |

| **Tablet 10,1"** | Connection: | Wifi, USB | |
| --- | --- | --- | --- |
| | Resolution: | 1200*1920 | |
| | IPS Screen: | 10.1 inch HD | |
| | Weight: | 562 g (1.1 lbs) | |
| | RAM memory: | 4 GB; ROM memory: 64 GB; | |
| | Procesor: | Intel Cherry Trail X5 Z8350 | |
| | OS: | Linux | |
| **Stuck Filament System** | Material: | Aluminium | |
| | Operating voltage: | 5V | |
| | Resolution: | 6.8 mm/impuls (0.27 in) | |
| | Individual monitoring of dual extrusions on stack of material or the end of filament | | |
| | After activation is the printer put into "Pause" not stop of print | | |
| **Extruder** | Nozzles: | Stable & proven construction of single extruder | Two independently adjustable hot ends |
| | Material capabilities: | Single material capability | Multi-material capabilities |
| **Certificate** | | CE | |
| | | WEE | |