3D Industries Australia - 3D Printers

3D Industries is an Australian manufacturer of 3D printers and accessories.
3D Industries designs and manufactures the printers in Australia and provides local support.

The latest printers are solid and dependable, very robust scalable and upgradable.

Standard sizes W, WT, J and P
Bespoke sizes available

Solid 25mm RHS steel frame with powder coated finish

Built in efficient filament cleaner

Easy user maintained carriage Extruder

Filament spool holder position & size options

3D Industries developed ALUHotend

Heavy duty 12mm gantry

CoreXY movement
(Object does not move laterally during printing)

Adjustable feet

High temperature bed

Electronics with LCD controller

USB Access for firmware updates

SD card for gcode files

Australian design

3D Industries Australia

Research & Design

Manufacturing

Sales & Mktg

Support

Australian manufacture

Training provided

Spare hotends provide with free replacement of blocked units

2 Year warranty

Free support

Bespoke model versions

Upgradeable

Consultation provided

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To demonstrate the scalability the following standard models are available:
- Model J - The standard model measuring 500 mm wide 500 mm deep and 500 mm high
- Model W - A larger version measuring 700 mm wide 500 mm deep and 500 mm high
- Model P – a demo model measuring 390 mm wide 390 mm deep and 390 mm high
- Model WT a tall model measuring 700 mm wide 500 mm deep and 1000 mm high
- Bespoke model - As the printer design is scalable a version to the customer's size requirements can be easily produced to provide wider longer or deeper build environments.

The size of the frame is directly related to the build platform.

Model J
This is the standard model. The frame measures 500 mm wide 500 mm deep and 500 mm high but the flexible cables to the printers protrude a few centimetres above the top of the frame.
- Build platform 320 mm x 320 mm
- Build footprint: 280 mm x 300 mm
- Build Height: 265 mm

Model W
This is a larger version. The frame measures 700 mm wide 500 mm deep and 500 mm high but the flexible cables to the printers protrude a few centimetres above the top of the frame.
- Build platform 400 mm x 250 mm
- Build footprint: 380 mm x 230 mm
- Build Height: 265 mm

Model WT
This is a larger version. The frame measures 700 mm wide 500 mm deep and 1000 mm high but the flexible cables to the printers protrude a few centimetres above the top of the frame.
- Build platform 400 mm x 250 mm
- Build footprint: 380 mm x 230 mm
- Build Height: 740 mm

Model P
This is a larger version. The frame measures 700 mm wide 500 mm deep and 500 mm high but the flexible cables to the printers protrude a few centimetres above the top of the frame.
- Build platform 400 mm x 250 mm
- Build footprint: 380 mm x 230 mm
- Build Height: 165 mm

Bespoke models
3D Industries will respond to requests, discuss customer requirements and provide a quote for changes to the printer size to permit different bed footprints or build heights.

The heated bed
The bed enables the temperature of the bed to be quickly raised to enable PLA, ABS and other high temperature plastics to be printed.

By default printing is performed on glass supplied with the printer. Additional glass can be obtained locally if required. The glass supplier should be asked for flat glass 4 mm thick and with smoothed edges.
3DI recommends the use of FlashForge bed material for ABS printing that can also be used for PLA.

Service and Support
Critical parts are swappable by the user. The most likely problem that can arise is blockage of the nozzle. Generally this is because low quality filament is used containing impurities, or because dust has entered the extruder on the filament. 3D Industries recommend the use of quality filament and can advise where this can be obtained. An efficient filament cleaner is built into the printer to remove any dust on the filament itself. The use of a cover on the printer when not in use is recommended.

In the event of the nozzle or hot end requiring changing, this can be done very simply by retracting the filament, loosening two screws and unplugging the hot end then inserting a new hot end inserting the plug and tightening the

screws. The hot end should not be dismantled by the user. A spare hot end is provided with the printer. If there is a need to change hot ends, 3D Industries should be advised and will despatch a new spare. The faulty hot end must be returned to 3D Industries. This is part of the inbuilt free support.

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Upgrades

From time to time improvements or enhancements to the series models are implemented. These upgrades are made available to current users of the machines.

Optional Accessories

These are available from time to time, optional accessories have now been included with the printer and include the filament cleaner and additional larger spool holder.