

The background is a solid teal color. Overlaid on this background are numerous white line-art icons. These icons include various tools such as wrenches, screwdrivers, and paintbrushes, as well as 3D geometric shapes like cubes and cylinders. Some icons are more detailed, showing mechanical parts or specific tool features. The icons are scattered across the entire surface, creating a technical or industrial aesthetic.

3D Industries Australia - Joey 3

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The Joey is a medium format 3D printer, on-loan from [3D Industries](#). It has proved reliable and is used when a larger build platform is required.

Below is the information from 3D Industries:

The Joey has a frame measuring 500 mm wide by 500 mm deep and 500 mm tall. It has a standard build platform size of 300 mm by 300 mm.

Objects can be built up to a height of 190 mm.

The Joey Wombat and Possum utilizes a CoreXY mechanism to move the extruder carriage in the X and Y axis at the top of the frame. The heated build platform descends as each layer is printed.

The power supply is contained within the frame and the filament spool holder can be mounted in different positions.

The printers are controlled by means of an LCD screen controller - no connection to a PC is required. Objects to be printed are stored on an SD card in gcode format.

The hot end extruder used is the latest 3D Industries Aluhotend and an automatic gap sensor is included to ensure the correct clearance between the nozzle and the bed.

Config

The Joey model config file has:

- 0.3 layer height - 2 perimeters
- infill rectilinear at 45 degrees and 70% density
- 5 circle skirt 1 layer high
- No support material
- Latest advanced settings
- PLA filament (nozzle) temp of 260C and bed temp of 60C
- fans always on

To access the cloud based support site use this link:

<https://drive.google.com/open?id=0B9NxCU9Ht-wgenhvU2kwd1NmWVk>

To access the software download the required files or directory to the local system.

SLicer Config file

config-pla-normal.ini.zip

Manuals from the 3DI Google Drive

commissioning_the_printer_v.1.pdf

flexi_filament_printing_v1.1.pdf

flashforge_bed_material_v1.0.pdf

1-read-me-first.pdf

bed_levelling_procedure_v1.0.pdf

software_installation_v1.0.pdf

hot_end_changing_v1.0.pdf

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