AUSTRALIAN JEWELLERS SUPPLIES
Tools for the art of jewellery

Est. 1968

3D Printing: How to get started

Entering the world of 3D printing seems daunting at first. AJS is here to help you on your journey.

The first key to the puzzle is a suitable CAD program.
This software will allow you to release your imagination into a computer image that can be manipulated in 3 dimensions and later prepared for your printer.

Second key is the 3D printer.
With so many on the market it can be confusing to select the correct one. After months of research and Months of testing we have settled on the **Flashforge Hunter DLP Printer**. It provides a very high detail print at an affordable price point, with a large range of Resin options available. As a bonus it comes with its own Slicing software which converts your newly drawn 3D creation into individual layers as thin as 25microns for the printer to accurately reproduce.
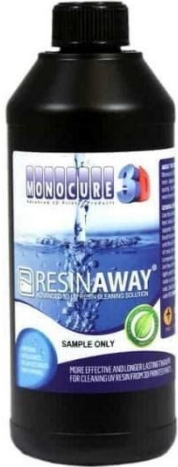
Our 3D Printer

Next is selecting the Resin.
Flashforge has a range of resins to suit many applications, including direct to cast.

Some of our Resins

Type	Color	Application	Volume
FH1100	Grey	Standard resin Uncastable	500 g/bottle
FHD1300	Skin Color	Dental model resin Uncastable	500 g/bottle
FHD1400	Yellow	Dental model resin Uncastable	500 g/bottle
FHD1500	Transparent	Surgical guide Uncastable	500 g/bottle
Optiprint splint	Transparent	Surgical guide Uncastable	500 g/bottle
FH1200	Green	Jewelry resin Castable	500 g/bottle
FHD1200	Green	Dental crown/bridge Castable	500 g/bottle
FHJ 2100	Green	Jewelry resin Castable	500 g/bottle

Once you have your print it needs to be cleaned.
Isopropyl alcohol is widely used, however Monocure has an Australian innovation that is much nicer to use. Called Resinaway we will be a distribution partner for this shortly.

Monocure Resinaway

Curing Box FC3

Now the model is printed it needs to be post cured.
This is done with UV light. If you have time, leave it in the Sun. if you are in a hurry. Flashforges new Curing Box is Awesome. Having been part of the development process we are sure you will find it works beautifully.

Flashforge Curing Box

Links to more resources:

- 3Design Software 3D design software
- Jewelcad 3D design software
- Rhino Cad 3D design software
- Flashforge Professional Our Printer option
- Thingiverse A source of free 3D designs
- Hunter Videos Link to YouTube videos about the Flashforge Hunter