

Robots! Dinosaurs! Dragons! The One Ring! Catch up with this week's news in 3D printing. Bilby 3D invites you to attend this month's 3D Hubs meet up featuring guest speakers from hackerspace, Robots and Dinosaurs. More info about Winbo's Dragon and Dragon Egg and resin printing.

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Bilby 3D
Pty. Ltd.

Robots & Dinosaurs, Dragons and One Ring To Rule Them All

An exciting week at Bilby 3D with makergroup *Robots and Dinosaurs* making a guest appearance at our 3D Hubs meetup; our new Dragon printer being tested and showing off its capabilities; and lots of resin prints coming off the Roland ARM - showing just how fine the detail in resin can be.



3D Hubs feat. Robots & Dinosaurs

This week's 3D Hubs meetup, hosted by us at the Alexandria office, will host guest speakers from Sydney hackerspace Robots & Dinosaurs, to talk about the amazing things they get up to in Sydney ...[Read more](#)



Dragon 3D Printer Testing Verdict: Great Value for Money

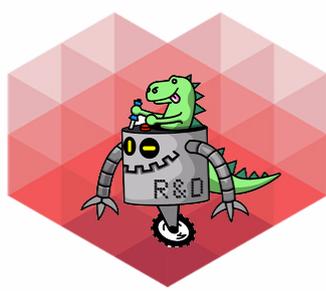
For all of you who are thinking of trying out one of the new Dragon 3D Printers, here's a summary of what you need to know about both printers... [Read More](#)



Roland Resin Experiment

Over the past couple of months we've been experimenting and perfecting our resin prints using [Roland's ARM-10](#) printer and the Roland resin as well as experimenting with cheaper resins like the Makerjuice. We've found that the fine detail achievable through the resin printer is amazing... [Read More](#)

3D Hubs feat. Robots and Dinosaurs



3D HUBS

with guest speakers from

ROBOTS AND DINOSAURS

When: 28th Thursday, 4pm-6pm

Where: 25/566 Gardeners Road,
Alexandria

Every month Bilby 3D hosts the Sydney 3D Hubs meetup at our Alexandria Showroom. This months meetup is this Thursday and we are super excited to be able to confirm Sydney hackerspace **Robots & Dinosaurs** will be sending

some of their hackers and makers to talk to you about the amazing things that get fixed, moded and created at the makerspace in Meadowbank.

We hope you can come along, maybe bring a creation of your own to show off or just come with questions you want answered or advice to seek or share.

To find out more about Robots and Dinosaurs, visit their website [here](#).

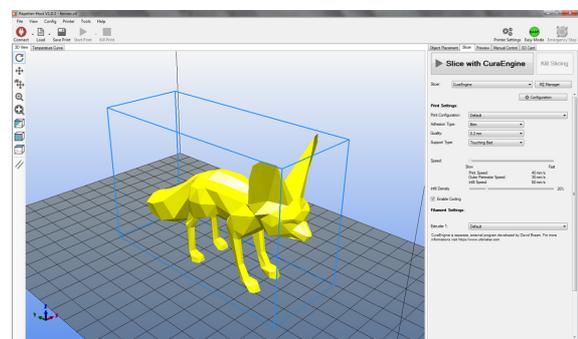
Dragon 3D Printer test Verdict: Great Value for Money

For all of you who are thinking of trying out our new **Dragon**, with the massive **458 X 305 X 508mm** build area; or its little friend (we like to call the **Dragon Egg**) with a **210 X 150 X 150mm** build, here's a summary of what you need to know about both printers.



Both the Mini and DragonS are based on the Ultimake Bowden tube set up, and as a result are designed for 3mm filament. Bilby 3D has tested 1.75mm filament printing at a higher speed, with much success.

Both printers print through Cura (an open source software) to the prepare files for 3D printing. Cura has a "basic" user and "expert" interface and the machines come with a user guide to Cura which is excellent.





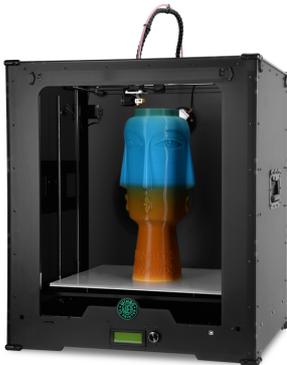
Mini "Dragon Egg" 3D Printer

\$1,339 RRP

Product Code: 3DPWBmini

This is a little printer with a great heart has a 210 x 150 x 150mm build size - a great complement to the Dragon.

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DragonS 3D Printer

\$7,495 RRP

Shhh! Secret SPECIAL OFFER : \$6,995
(mention this newsletter to redeem discount)

Product Code: 3DPWBdragonS

This printer is low on price but great in build size and its axes move very quietly. Although its handling of overhangs is not the best, it certainly makes up for its **giant build size** (458 x 305 x 508mm). The printer is based on the Ultimaker set up with rods moving the hot end around and a bowden tube back to a fixed extrusion drive.

Although it is designed for 3mm, we have been printing perfectly with both 1.75mm and 3mm filament.

You can twist the dial to speed up or slow down printing mid print, which we like. And rather incredibly, it has a stop-and-continue-later feature, which lets you pause and save the job, turn off power and come back later and resume. Great for schools wanting to turn off the machine at night! Or folks like our Bega office with intermittent power issues.

[ORDER NOW](#) | [READ MORE](#)

Roland Resin Experiment

Over the past couple of months we've been experimenting and perfecting our resin prints using [Roland's ARM-10](#) printer and the Roland resin as well as experimenting with cheaper resins like the Makerjuice. We've found that the fine detail achievable through the resin printer is amazing!

Our latest play has produced a print so fine, we named it the One Ring.



Well, rather the Two Rings!



The print resolution is incredibly fine, with each layer height measured to be about **100 microns** tall. Even more amazing are the symbols which look like they've been engraved into the rings. Each symbol is 6mm in diameter and outlining of the celtic knots and crosses are up to 1mm thick. With FDM printing, these tiny symbols would have been



impossible. Resin printing provides a new level of accuracy and precision to 3D printing we are really enjoying.

Believe it or not, but printing the two rings takes the same amount of time taken for one. This is true for as many rings able to fit on the build tray at once. This is because no extra time is needed to cure a layer of resin across different points of the tray. The ring in the photo took 1.5hrs (it is a size 9 ring (approx 20mm diameter). three, or four, or even ten rings also take 1.5hrs.

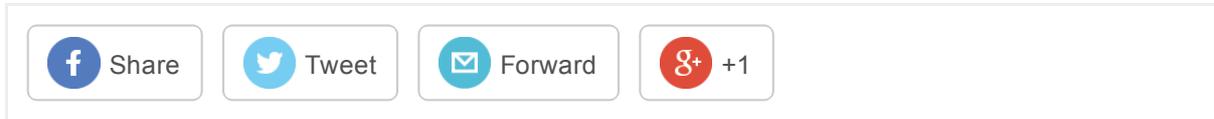
Resin is a game changer in the 3D printing industry.

Its ability to produce precise and detailed prints resonates with the needs of manufacturers and designers for high quality but cost-effective prototyping.

If you have any queries about resin printing, Winbo machines or our monthly 3D Hubs meet ups, please don't hesitate to contact us by phone (1800 847 333) or via our email (reception@bilby3d.com.au).

Warm regards,

The Bilby 3D Team



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