



# HP Designjet 3D Printer

## Affordable in-office creation of quality 3D models



### Workgroup 3D printing right next to your desk.

With HP 3D printers, officeability is more than just a claim. Trust the company that really knows office printing—our shared desktop 3D printing solution is clean; office-friendly; and so easy to operate, just about anyone can do it.

- Produce quality models and prototypes in the convenience of your own office environment. This series fits perfectly right next to your desk for easy model access. And it has a built-in network card for easy workgroup sharing.
- The HP Designjet 3D printing solution uses recyclable ABS plastic.[2] Models are ready-to-handle directly from the printer without gloves. And with the HP Designjet 3D Removal System, special disposal methods or equipment are not typically required.[3]
- Creating models doesn't have to be a messy or painstaking process. The HP Designjet 3D Removal System eliminates the need for manual post-processing—so you can easily create models that are ready to show while you and your office stay clean.
- No need to spend a lot of time training or learning how to operate this new 3D printer from HP. It is so intuitive and easy to use, you can spend more time working on your design.

### Exceptional model quality that you can rely on.

Models produced with the HP Designjet 3D printer are durable and precise. They meet your expectations in terms of form, fit, and function. And count on printed output that's always true to your original design.

- Make usable and durable pre-assembled models with moving parts that meet your demands in terms of form, fit, and function. Achieve high-quality results using HP Designjet 3D ABS materials.
- Create precise models that achieve a high level of detail. Models produced with the HP 3D printer are faithful to your original design—not just right off the machine, but days, weeks, and even months later.

### Quality 3D printing that saves you money.

Achieve high part quality AND spend less money in the end. This solution combines a compelling acquisition price with low operating expenses to save you money. Experience the time-to-market benefits of workgroup 3D printing and see a fast ROI.

- A compelling value—bring 3D printing in-house or complement your existing 3D printing workflow. The HP Designjet 3D printer is among the lowest cost in its class and offers high part quality at an excellent price.
- Don't spend a lot of time learning how to operate new 3D printers from HP. They are intuitive and easy to use; models are post-processed automatically; and you don't need a dedicated expert to operate—all of which can help save you money.
- See a fast return on your investment—print 5 to 10 models per month and the printer nearly pays for itself.[1] And if it allows you to find even one critical error before tooling, it can potentially save you thousands of dollars.
- Experience true peace of mind with the reliable HP Designjet 3D printer. You're up and running quickly and smoothly without expensive service contracts—thanks to HP global support.

[1] Compared to outsourcing to a service bureau.

[2] Customers should consult local recycling resources for recycling this material. Recycling opportunities for this material may not be available in your area.

[3] A permit or form of pre-treatment may be required in your area. Consult your area's requirements regarding the disposal of this material prior to use.

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## TECHNICAL SPECIFICATIONS

| Printing                      |                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Build size (w x d x h)        | 203 x 152 x 152 mm                                                                                                                                                                                                                                                                                                                                                                                |
| Layer thickness               | 0.254 mm                                                                                                                                                                                                                                                                                                                                                                                          |
| Automated support removal     | Yes, using the HP Designjet 3D Removal System                                                                                                                                                                                                                                                                                                                                                     |
| Printing material             |                                                                                                                                                                                                                                                                                                                                                                                                   |
| Model material                | ABS plastic                                                                                                                                                                                                                                                                                                                                                                                       |
| Model material colours        | 1 (ivory)                                                                                                                                                                                                                                                                                                                                                                                         |
| Support material              | Soluble material, automatically removed by HP Designjet 3D Removal System                                                                                                                                                                                                                                                                                                                         |
| Spool size                    | 655 cm <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                               |
| Material bays                 | 1 or 2 (second material bay is optional, for longer unattended print jobs)                                                                                                                                                                                                                                                                                                                        |
| Software details              |                                                                                                                                                                                                                                                                                                                                                                                                   |
| Software features             | Automatic real-time support structure generation with SMART supports (minimizes the amount of support material used, reduces the build time, and improves support removal time for many parts); auto-orientation which determines the best orientation for your model for the fastest build time and least material usage; model density options (Solid, Sparse High Density, Sparse Low Density) |
| Workstation compatibility     | Microsoft® Windows® 7, Windows Vista®, Windows® XP                                                                                                                                                                                                                                                                                                                                                |
| Network connectivity          |                                                                                                                                                                                                                                                                                                                                                                                                   |
|                               | Fast Ethernet (10/100Base-T)                                                                                                                                                                                                                                                                                                                                                                      |
| Dimensions (w x d x h)        |                                                                                                                                                                                                                                                                                                                                                                                                   |
| Printer                       | 660 x 660 x 762 mm (Removal System: 430.3 x 431.3 x 483.3)                                                                                                                                                                                                                                                                                                                                        |
| Shipping                      | 838 x 1270 x 1041 mm                                                                                                                                                                                                                                                                                                                                                                              |
| Weight                        |                                                                                                                                                                                                                                                                                                                                                                                                   |
| Printer                       | 59 kg (Removal System: 22 kg)                                                                                                                                                                                                                                                                                                                                                                     |
| Shipping                      | 127 kg                                                                                                                                                                                                                                                                                                                                                                                            |
| What's in the box             |                                                                                                                                                                                                                                                                                                                                                                                                   |
| CQ656A                        | Printer; material bay; spool of ivory ABS; spool of support material; HP Designjet 3D 8x6-in Bases (x6); software; HP Designjet 3D Tip Replacement Kit; documentation; power cord; installation tools                                                                                                                                                                                             |
| Environmental ranges          |                                                                                                                                                                                                                                                                                                                                                                                                   |
| Operating Temperature         | 15 to 30° C (Support Remover: 15 to 35° C)                                                                                                                                                                                                                                                                                                                                                        |
| Operating humidity            | 30 to 70% RH (non-condensing); (Support Remover: 20 to 80% RH (non-condensing))                                                                                                                                                                                                                                                                                                                   |
| Power Consumption             |                                                                                                                                                                                                                                                                                                                                                                                                   |
| Maximum                       | 1200 watts (Support Remover: <1000 watts)                                                                                                                                                                                                                                                                                                                                                         |
| Power requirements            | Input voltage 100 to 240 VAC, 50/60 Hz, 7 to 12 A; (Support Remover: Input voltage 100 to 240 VAC, 50/60 Hz, <10 A, Dedicated circuit within 80 in (2m))                                                                                                                                                                                                                                          |
| Certification                 |                                                                                                                                                                                                                                                                                                                                                                                                   |
| Regulatory compliance         | CE, ETL, RoHS, WEEE                                                                                                                                                                                                                                                                                                                                                                               |
| Special facility requirements | Water inlet and outlet for the HP Designjet 3D Removal System                                                                                                                                                                                                                                                                                                                                     |
| Warranty                      |                                                                                                                                                                                                                                                                                                                                                                                                   |
|                               | One-year limited hardware warranty                                                                                                                                                                                                                                                                                                                                                                |

## ORDERING INFORMATION

| Product                                                                              |                                            |
|--------------------------------------------------------------------------------------|--------------------------------------------|
| CQ656A                                                                               | HP Designjet 3D Printer                    |
| Accessories                                                                          |                                            |
| CQ658A                                                                               | HP Designjet 3D Removal System             |
| CQ708A                                                                               | HP Designjet 3D Material Bay               |
| CQ770A                                                                               | HP Designjet 3D Model Material Carrier     |
| CQ771A                                                                               | HP Designjet 3D Support Material Carrier   |
| CQ804A                                                                               | HP Designjet 3D Support Remover Basket     |
| Ink supplies                                                                         |                                            |
| CQ703A                                                                               | HP Designjet CQ703A ABS Ivory Material     |
| CQ707A                                                                               | HP Designjet CQ707A 3D Support Material    |
| CQ709A                                                                               | HP Designjet 3D Tip Replacement Kit        |
| CQ712A                                                                               | HP Designjet 3D Support Removal Powder Kit |
| CQ710A                                                                               | HP Designjet 3D 8x6-in Base Kit            |
| CQ889A                                                                               | HP Designjet 3D Support Remover Bag        |
| Service & support                                                                    |                                            |
| <b>UT837E</b> HP Care Pack, Next Business Day Onsite Support, 3 years                |                                            |
| <b>UT838E</b> HP Care Pack, Next Business Day Onsite Support, 4 years                |                                            |
| <b>UT839E</b> HP Care Pack, Next Business Day Onsite Support, 5 years                |                                            |
| <b>UT849PE</b> HP Care Pack, Post Warranty Next Business Day Onsite Support, 1 year  |                                            |
| <b>UT850PE</b> HP Care Pack, Post Warranty Next Business Day Onsite Support, 2 years |                                            |
| <b>H4518E</b> HP Care Pack, HP Network Installation Service Designjet 400-6100 SVC   |                                            |

For more information visit our website at [www.hp.com/go/designjet3d](http://www.hp.com/go/designjet3d)



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