

## Plastic 3D printers - 3D SYSTEMS - ProJet MJP 3600 MAX - MACH-ID 8727



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**MACH-ID 8727**

**Make** 3D SYSTEMS  
**Type** ProJet MJP 3600 MAX  
**Year** 2016



plastics and true elastomers for real functionality and performance. You can even create composite materials with tailored mechanical properties and print with multiple materials for complex parts with special features such as overmolding.

MJP offers exceptional resolution with layer thicknesses as low as 13 microns. Selectable print modes let you choose the best combination of resolution and print speed, so it's easy to find a combination that meets your needs. Parts have smooth finish and can achieve accuracies approaching SLA precision for many applications.



Overmolded in a combination of flexible black elastomer and rigid white plastic

#### ACCELERATE TIME-TO-MARKET

MJP users around the world are bringing products to market faster. Validate designs, test performance and

#### ITERATE FASTER, INNOVATE BETTER

Empower your team to test more design concepts to yield better products. Creativity flourishes when it's this easy to

Print objects that would be impossible to make any other way

### Benefits of MultiJet Printing

The ProJet MJP 3600 series and 5500K employ MultiJet Printing technology to produce the highest fidelity, true-to-CAD parts of any jetting 3D printing process.

#### RESULTS YOU CAN TRUST

Print accurate parts that maintain integrity over time, so you can make decisions with confidence.

#### EASY POST-PROCESSING

Finishing MJP parts is as easy as melting wax. No hand scraping, high-pressure water jets, caustic chemical baths, or special facilities requirements.

#### MICRO-FINE DETAIL RESOLUTION

The high resolution of MultiJet Printing means even tiny features come out right—and there's no risk of breaking small features during most assemblies.

#### SHARP EDGES AND CORNERS

Go ahead and compare—MJP parts have the best defined geometry of any jetting 3D printer.

#### GREATER GEOMETRIC FREEDOM

With some printers, the inability to remove supports from tight spaces limits design freedom. MJP's wax supports just melt away from even the tightest spaces.

#### INDUSTRIAL GRADE PRINT HEADS

Every MJP printer comes with an industrial-grade print head designed for years of reliable production.

### Specifications

|            |                      |
|------------|----------------------|
| X - Travel | 298 mm               |
| Y - Travel | 183 mm               |
| Z - Travel | 203 mm               |
| Resolution | 750 x 750 x 1600 Dpi |
| Accurate   | 0,002 inch per inch  |

### Dimensions

|        |         |
|--------|---------|
| Length | 830 mm  |
| Width  | 1500 mm |
| Height | 1800 mm |
| Weight | 433 kg  |

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### HIGH DEFINITION PARTS

When getting the finest details right matters, no other jetting printer beats the MJP 3600 series.

### CLASS VI CAPABLE FOR HEALTHCARE APPLICATIONS

With biocompatible materials that have passed USP Class VI testing, you can print parts for medical devices and more.



| of part dimension                  | of part dimension                        | of part dimension                         |
|------------------------------------|------------------------------------------|-------------------------------------------|
| <b>Build Material</b>              | <b>Build Material</b>                    | <b>Build Material</b>                     |
| Vulcan M3 X - Rigid White          | Vulcan M3 X - Rigid White                | Basic materials                           |
| Vulcan M3 Crystal - Rigid Clear    | Vulcan M3 Crystal - Rigid Clear          | Vulcan CR-WT - Rigid White                |
| Vulcan M3 Black - Rigid Black      | Vulcan M3 Black - Rigid Black            | Vulcan CR-CL - Rigid Clear                |
| Vulcan M3 Proplast - Rigid Natural | Vulcan M3 Proplast - Rigid Natural       | Vulcan CR-BK - Elastomeric Black          |
| Vulcan M3 Navy - Rigid Blue        | Vulcan M3 Navy - Rigid Blue              | Vulcan CR-BT - Elastomeric Natural        |
| Vulcan M3 Techplast - Rigid Gray   | Vulcan M3 Techplast - Rigid Gray         | Plus more than 100 composite combinations |
| Vulcan M3 Procast - Castable       | Vulcan M3 Procast - Castable             |                                           |
| <b>Vulcan Support Material</b>     | Eco friendly, easily removable wax       |                                           |
| <b>Post-processing</b>             | ProJet Finisher                          |                                           |
| <b>Included Software</b>           | ProJet Accelerator                       |                                           |
| <b>Standard Warranty</b>           | 1 year parts & labor<br>5 year printhead | 1 year parts & labor<br>5 year printhead  |

Composite multi-material 3D printer Your products are made of multiple materials

and now your prototypes and concept models can be printed in multiple materials,

giving your 3D prints more realistic mechanical properties and differentiated colors.

3D Systems' MultiJet Printing (MJP) process creates precise plastic parts that are ideal

for functional prototyping, rapid tooling, and many other applications.

Print rigid or flexible parts with ABS-like plastics and true elastomers

for real functionality and performance. You can even create composite materials with

tailored mechanical properties and print with multiple materials for complex parts

with special features such as overmolding. MJP offers exceptional resolution with layer thicknesses

as low as 13 microns. Selectable print modes let you choose the best combination of resolution

and print speed, so it's easy to find a combination that meets your needs.

Parts have smooth finish and can achieve accuracies approaching SLA precision for many applications.

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