



J720 Dental Printer

Speed.
Productivity.
Realism.



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The Stratasys J720™ dental 3D printer is designed to meet the increased demands labs face today. This full-color, multi-material printer produces high-resolution models with precise accuracy. It offers an unrivaled combination of speed, high throughput and realism to handle all dental case needs with the capacity to outperform DLP and SLA dental printers.

Harness the Power of Color

- Increase patient acceptance of case presentations - show your patients how their treatment will look before starting work
- Leverage full-color capability to differentiate your lab, improve workflow and tracking, and communicate more information
- Reduce C&B remakes with the only dental printer able to create highly realistic replicas of the patient's mouth



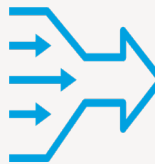
Be More Productive



1.75X the throughput of leading competing DLP printers



Reduce material changeovers and eliminate the need for multiple printers by printing with six materials at once



Eliminate workflow planning by supporting all model types in a single print job – aligner arches, C&B, implant cases with gingiva mask, study models and diagnostic wax-ups.



Large print capacity accommodates many cases at a time, reducing touch-time to load and process smaller printers with lower capacity

Product Specifications



Model Materials

- Dental materials - VeroDent (MED670) and VeroDentPlus (MED690)
- Vero™ family of opaque materials including neutral shades
- Vibrant colors including VeroCyanV™, VeroMagentaV™ and VeroYellowV™
- Tango™ and Agilus30™ families of flexible materials
- Transparent VeroClear™

Digital Model Materials

Unlimited number of composite materials including:

- Over 500,000 colors
- Materials to replicate soft tissue in a variety of Shore A values
- Translucent color tints
- User-developed digital materials

Support Materials

SUP705™ (WaterJet removable)

SUP706B™ (soluble)

Build Size

490 x 390 x 200 mm (19.3 x 15.35 x 7.9 in.)

Layer Thickness

Horizontal build layers down to 14 microns (0.00055 in.)

Workstation Compatibility

Windows 7

Network Connectivity

LAN - TCP/IP

System Size and Weight

1,400 x 1,260 x 1,100 mm (55.1 x 49.6 x 43.4 in.); 430 kg (948 lbs.)

Material Cabinet: 670 x 1,170 x 640 mm (26.4 x 46.1 x 25.2 in.); 152 kg (335 lbs.)

Operating Conditions

Temperature 18 – 25 °C (64 – 77 °F); relative humidity 30-70% (non-condensing)

Power Requirements

100–120 VAC, 50–60 Hz, 13.5 A, 1 phase

220–240 VAC, 50–60 Hz, 7 A, 1 phase

Regulatory Compliance

CE, FCC, EAC

Software

GrabCAD Print™

Build Modes

High Speed: up to 3 base resins, 27-micron (0.001 in.) resolution

High Quality: up to 6 base resins, 14-micron (0.00055 in.) resolution

High Mix: up to 6 base resins, 27-micron (0.001 in.) resolution



Work Faster

- Faster time-to-part – reduce the number of printers needed to maintain throughput and the labor required to monitor and service multiple printers
- Streamlined workflow - print in different materials on the same build tray, maximizing productivity and accelerating throughput
- Quicker turnaround time – for the same capacity, models are finished faster than competing systems
- Achieve speed and quality – the J720 combines high-resolution printing with fast time-to-part

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