High Precision 3D printer for Manufacturing

Solidscape® MAX² is a high precision 3D printer designed for manufacturing.

**Easy One-Touch Operation**

Using high precision technology, MAX² provides easy one-touch operation for high-quality manufacturing.

**Efficient Workflow**

With its high precision, the MAX² reduces production times significantly and produces high-quality casts.

**Superior Casting Results**

Solidscape 3Z™ Model and 3Z™ Support technologies ensure high precision casting results, minimizing production times and improving efficiency.

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한국공식판매기업

(주)시그마정보통신
Solidscape® MAX² System Specifications

**EASE OF USE**

Fully Automated  Plug and print  Automatic calibration and testing  
Accessible       Icon-based user interface  Files, job start-up and job status can be managed and viewed remotely from PC

**HIGH PRECISION RESULTS**

Resolution  5000×5000 dots/inch (197×197 dots/in) in X, Y  8000 dots/inch (315 dots/in) in Z  
Accuracy  ±0.0010 inch/inch (±25.4μm/25.4μm) along each axis X, Y and Z  
Layer Thickness  User selectable through variable slider  0.001in → 0.002in (25.4μm → 50.8μm) in 1/4mil (6.3μm) steps  
Surface Finish  Layer thickness dependant, up to 32 micro-inches (RMS)

**OFFICE ENVIRONMENT**

Desk-top Size  21.4”W × 18”D × 16”H (558×495×419mm)  
Weight       75 lbs, weight (34kg)  
Build Envelope  6” × 6” × 4” (152.4×152.4×101.6mm)  X, Y, Z Consistent Results over entire 6” × 6” × 6” (152.4mm × 152.4mm × 152.4mm) area  
Power Requirements  90-250v, 10A @ 230v max consumption  
Ambient Operating Temp  Recommend 60° to 80° F (16° to 27° C) at a 40% to 60% range of humidity  
Equipment Interface  PC to printer connectivity  Wireless Wi-Fi 802.11 b/g, Ethernet  
H–Speed USB 2.0

**MATERIALS**

3Z® Model  Model material formulated for clean burnout to produce 100% casting results;  
3Z® Support Sacrificial support material is generated automatically for each job, and later dissolved away for a labor-saving, hands-free operation;

**EFFICIENT WORKFLOW**

CAD file input .stl and .stc files  
3Z® Works Software formats CAD files for 3D printing  Allows operator to visually place job suites within build envelope  Automatically generates support structure, saving on design time;  
3Z® Touch System Software is Windows® based  
Automatic Status monitoring and fault detection  Re-start of build from point of interruption  Works unattended up to 72 hours  
SCP® Smooth Curvature Printing for superior surface finish

**AGENCY COMPLIANCE**

CE certified; FCC Class A approved       TUV approved (EN 60950 Compliant)