



INVISION[®] SR 3-D Printer

Versatile, automated low-cost printing of high quality plastic models and prototypes from CAD data.



APPLICATIONS

- Models for:
 - Concept development
 - Design validation
 - Presentation, marketing and selling aids
 - Bid packages
- Prototypes for form and fit analysis
- Patterns for casting or molding



InVision[®] SR 3-D Printer

FEATURES

- Excellent part resolution and surface finish
- Durable part material
- "Melt-away" supports
- "Plug and play" operation
- Network-ready
- Intelligent job queuing

BENEFITS

- Quickly produce parts directly from 3-D CAD data
- Address a wide range of applications
- Labor-free post processing
- No special training required
- Communicate and validate complex designs
- Address design issues early in the development cycle
- Accelerate design cycles and time-to-market
- Reduce product development costs

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INVISION[®] SR 3-D Printer

TECHNICAL DATA

Technology

Product	InVision [®] SR 3-D printer system (InVision [®] SR 3-D printer, software, VisiJet [®] material starter kit, warranty)
Technology	Multi-Jet Modeling (MJM). Thermal material application, with UV-curing
Maximum Model Size	W298 x D185 x H203 mm (W11.75 x D7.3 x H8 in) (xyz)
Resolution	328 x 328 x 606 DPI (xyz)
Printer	InVision [®] 3-D printer
Materials	Model material - VisiJet [®] SR 200 Support material - VisiJet [®] S100
Software	InVision print client software
Warranty	90 days (U.S.A. and Canada only)

Printer

Certifications	UL certified, CE marked, CB certified
Electrical	100-127 VAC, 50/60 Hz, single-phase, 15A; 200-240* VAC, 50 Hz, single-phase, 10A; IT Power System Specification Compliant (Nordic countries)
Operating Temperature Range	18-28 °C (64-82 °F)
Noise	<65 dBa estimated (at medium fan setting)
Printer (crated) (WDH)	371 kg (817 lb) 0.96 x 1.42 x 1.67 m (38 x 56 x 66 in)
Printer (uncrated) (WDH)	254 kg (560 lb) 0.77 x 1.24 x 1.48 m (30.2 x 49 x 58.1 in)

Interface

Network Compatibility	Network ready with 10/100 Ethernet interface
Client Hardware Recommendation	1.8 GHz Pentium IV with 512 MB RAM (<i>with OpenGL ICD</i>)
Client Software OS Support	Windows XP Professional/2000/NT 4.0/Me/98
Input Data File Format	.stl

Materials

Material	Model	Support
	VisiJet [®] SR 200	VisiJet [®] S100
Composition	Acrylic plastic	n/a
Color	White or blue	White
Case Quantity	8 cartridges/case	8 cartridges
Net Weight (Approximate)**	500 g (1.1 lb)	405 g (0.9 lb)
Density @ 80 °C (ASTM D4164)	1.02 g/cm ³	n/a
Tensile Modulus (ASTM D638)	1772 MPa (257 KSI)	n/a
Tensile Strength (ASTM D638)	34 MPa (4.9 KSI)	n/a
Tensile Elongation at Break (ASTM D638)	7.3%	n/a
Flexural Modulus (ASTM D790)	1786 MPa (259 KSI)	n/a
Flexural Strength (ASTM D638)	52 MPa (7.5 KSI)	n/a

ASTM protocol followed for testing, except RH conditioning, which is not expected to substantially affect results.

* Requires a small external transformer (pn 23418-901-00); supplied by 3D Systems in the country kit.

** Weights and dimensions are estimated, nominal values and subject to change without notice. Accessory kit shipped separately.



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For more information about
3D Systems, visit us on the web at:

www.3dsystems.com

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Warranty/Disclaimer: The performance characteristics of these products may vary according to product application, operating conditions, material combined with, or with end use. 3D Systems makes no warranties of any type, express or implied, including, but not limited to, the warranties of merchantability or fitness for a particular use.

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