mcor technologies
unfettered innovation™

THE LOWEST COST, TRUE COLOR, PAPER 3D PRINTING

Unfettered Innovation

Mcor Technologies envisions a future where everyone can easily turn their ideas into low-cost, full color, eco-friendly 3D objects. Providing accessibility to a once niche technology is the driving force behind Mcor's Matrix and IRIS line of 3D printers. Based on Selective Deposition Lamination (SDL) technology, they are the only 3D printers to use ordinary business-letter paper as the build material, creating durable, stable and photorealistic models, enabling you to:

Improve Designs

- Iterate to innovate. Print prototypes early and often, gather feedback, refine designs and repeat.

Enhance Communication

- Convey far more information with photorealistic 3D models than with computer images.
- Communicate with many audiences using the lowest cost, full color 3D printing.

Gain Competitive Advantage

- Shorten design cycles and time to market by printing numerous 3D models as needed at your desk.

Cut Costs

- Discover and fix design errors early.
- Reduce costs for prototyping and tooling.
- Decrease travel to production sites.

Increase Sales

- Take photorealistic 3D models to prospects, sponsors, events and research groups.

"Existing users will be more experimental, and new users will find the technology more accessible."

Nick Grace, Manager,
Rapidform RCA,
Royal College of Art

"Our customers want to cost-effectively produce high-quality, durable 3D prototypes with the most realistic colors. These are precisely the capabilities that Mcor has delivered with the IRIS."

Mr. Allan Valentin Hansen, MD,
Saitu Graphic Equipments

Mcor Advantages

Mcor sets the standard for truly accessible 3D printing.

Lowest Cost

- Standard office paper is afffordable so you can print more models every day.
- The cost per model is 5% that of competing technologies and the ongoing cost is about one-fifth that of any other 3D printing technology.
- Regular paper is widely available at any office supply store.

Unmatched Color Capability

- Ink is designed for paper and Mcor's patented ink penetrates through the paper, resulting in high color fidelity and photorealistic models.
- Color is consistent with the color on your screen, from part to part and on undercuts and sidewalls.
- Print over a million colors – more than any other 3D printer.
- No need to infiltrate color parts because, even uninfiltrated, the color is rich and vibrant and the model durable.

Highest Quality

- Models are realistic and have fine detail.
- Parts are incredibly strong – even parts that haven't been infiltrated.
- Parts are tactile; they aren't rough or heavy.

Most Eco-Friendly, Safe & Easy to Use

- Paper 3D printing is quiet, non-toxic and safe.
- Paper, water-based glue and ink can all be fully recycled. Even the 3D printed models themselves can be recycled.
- Pre-used paper can be used in Mcor 3D printers.
- No chemicals are needed to dissolve support material and there are no toxic fumes to vent.
- Paper 3D printing is clean and compact. There are no messy powders to vacuum or dust.
- It only takes minutes to remove a model from the surrounding paper support after printing.

Mcor 3D printers are ideal for a wide variety of applications, from design and presentation prototypes, castings, education, GIS and architecture to consumer products, fine arts, entertainment and medical.

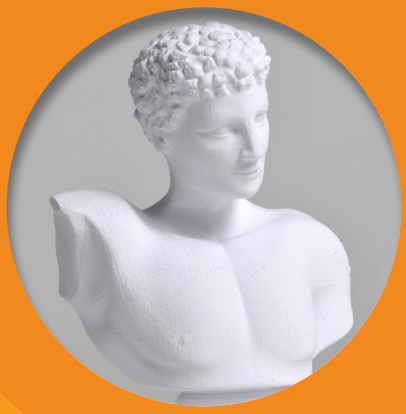
Architecture
47.1in³ (773cm³)
$3.18 (€ 2.45)

Consumer
5.7in³ (93cm³)
$2.81 (€ 2.16)

Archaeology
18.6in³ (304cm³)
$13.06 (€ 10.05)

MCAD
34.4in³ (564cm³)
$4.07 (€ 3.13)

Entertainment
8.9in³ (146cm³)
$1.07 (€ 0.83)



Art and Culture
20.4in³ (334cm³)
$2.29 (€ 1.77)

Medical
6.6in³ (108cm³)
$1.12 (€ 0.86)

GIS
18.4in³ (302cm³)
$14.27 (€ 10.98)

Casting
11.4in³ (187cm³)
$1.17 (€ 0.90)

Education
11.4in³ (187cm³)
$10.50 (€ 8.08)

Cost estimates based on most cost-effective consumable plan and nesting parts.

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FEATURES	MATRIX 300+	IRIS
Resolution	0.1 mm (0.004in)	x, y & z axis: 12µ, 12µ, 100µ (0.0004in, 0.0004in, 0.004in)
Color	Monochrome and PLY color	1 million+ colors (CYMK – 4 cartridges including black) x, y & z axis: 5760 x 1440 x 508dpi
Build Size	A4 Paper: 256 x 169 x 150mm Letter Paper: 9.39 x 6.89 x 5.9 inches	A4 Paper: 256 x 169 x 150mm Letter Paper: 9.39 x 6.89 x 5.9 inches
Build Material	A4 Standard Office Paper (80gsm & 160gsm) Letter Size (20lbs & 43lbs); new and used	A4 Standard Office Paper 80gsm (160gsm ply color only) US Letter Standard Paper 20lb (43lb ply color only)
Layer Thickness	0.1mm (0.004in) and 0.19mm (0.007in)	0.1 mm (0.004 in) and 0.19mm (0.007in ply color only)
Recyclable Parts/Material	Yes	Yes

SPECIFICATIONS	MATRIX 300+	IRIS
Equipment Dimensions	950 x 700 x 800mm (h) 37.4 x 27.55 x 31.5in (h)	950 x 700 x 800mm (h) 37.4 x 27.55 x 31.5in (h)
Equipment Weight	160kg (350lbs)	160kg (350lbs)
Stand Dimensions	N/A	1160x720x940mm (h) 45.6x28.3x37in (h)
Stand Weight	N/A	150kg (330lbs)
Power Requirements	350W, 240v 50Hz or 120v 60Hz	350W, 240v 50Hz or 120v 60Hz
Network Connectivity	TCP/IP 100/10 base T	TCP/IP 100/10 base T
File Formats for Printing	STL, OBJ	STL, OBJ, VRML
Hardware Requirements	8GB memory and 100GB hard drive, 2 network cards, one for the printer	8GB memory and 100GB hard drive, 2 network cards, one for the printer
Operating System	64bit Windows XP, Windows Vista, and Windows 7	64bit Windows XP, Windows Vista, and Windows 7
Regulatory Compliance	CE, UL	CE, UL
System Software	SliceIT	SliceIT, ColourIT
Special Facility Requirements	None	None
Office Compatibility	Yes	Yes