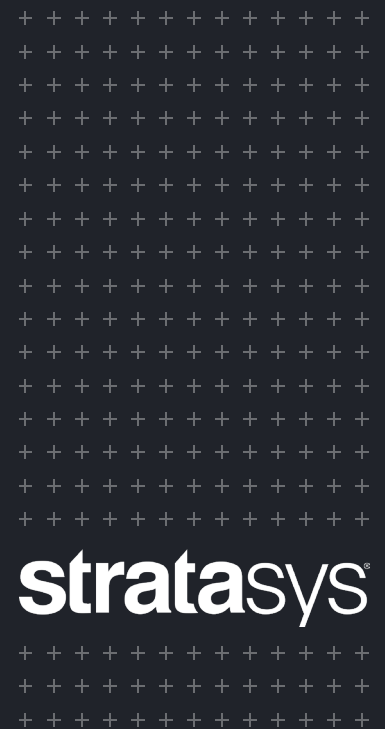# Stratasys
J5 MediJet

The all-in-one medical printer.

The Stratasys J5 MediJet is setting a new standard for medical modelling. With multiple materials and multi–colour capabilities, academic medical centres, hospitals and medical device companies can create brilliantly vivid anatomical models.

stratasys®

The economical, compact, all-in-one medical modeling printer.

J5 MediJet™ sets a new standard for medical modeling. With multiple materials and multicolor capabilities, academic medical centers, hospitals and medical device companies can create brilliantly vivid anatomical models and drilling and cutting guides* that are sterilizable and biocompatible – all in one platform.

Applications

- Patient-specific anatomical models for pre-surgical planning
- Precisely accurate anatomy for training and education
- Surgical guides and tooling*
- Medical device product development

*with approved 3rd party 510k cleared segmentation software

The new standard for planning, education, and testing.

Multi-material and multicolor capabilities
Create patient specific, brilliantly vivid anatomical models with multiple materials and multicolor capabilities that are biocompatible and can be sterilized.

Functional surgical guides and tooling
Create drilling and cutting guides* that are sterilizable and biocompatible

More printing with less handling
Accommodate multiple medical models in a single print with significantly less handling.

Small footprint, big impact
Print exact pathologies on-demand and train physicians, students and medical device field staff from anywhere. MediJet™ is economical and compact enough for small lab spaces.

Hospitals and Academic Medical Centers

Improve point-of-care planning, patient satisfaction, and training and education.

Using patient-specific 3D printed medical models for on-demand training and pre-surgical planning can improve patient outcomes by reducing complications and decreasing OR time and length of hospital stay.

Data demonstrates that patient satisfaction improves when 3D medical models are used as part of education for informed consent.
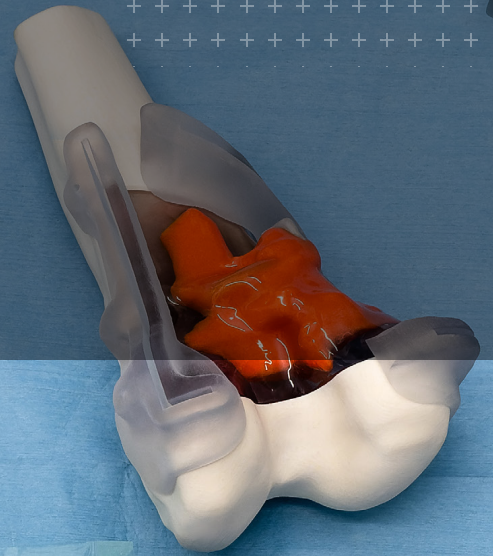
Medical Device Companies

Companies Enhance training and education programs and improve product quality.

Create consistency in new medical device development and testing to enhance product quality, reduce costs and accelerate time to market.

Scale up product demonstrations when training field staff and physicians on a new medical device by providing models that replicate the disease state your device is intended to treat—no storage requirements or ethical concerns associated with animal and cadaver models.

All on a certified system.

- 510k cleared for clinical diagnostic use with leading segmentation software companies
- Biocompatibility certification
  - ISO 10993-1:2018 for limited contact to tissue and wbone and permanent contact to intact skin
  - ISO 18562-1:2017 for breathing gas pathways in healthcare applications
- Sterilization methods
  - Steam, Gamma and EtO for MED610 and MED615RGD
  - Steam for Biocompatible Digital ABS Plus (MED531 and MED 5151+)
  - Steam, Gamma, and EtO for Rigid Transparent family
- ISO 13485 Certified (material and hardware manufacturing sites)

3D printing workflow, simplified.

MediJet's large tray accommodates multiple medical models in a single print and requires significantly less handling.

GrabCAD Print software makes it easy:

- Automatically corrects files and reduces print time with automatic tray arrangement.
- Calculate the time and material resources needed for production before printing.
- 3MF file supported – significantly simplifies color assignment in your workflow
- New feature alerts the user if there has been cross contamination with a biocompatible material.
- Schedule and monitor the print job remotely from your mobile device or browser.
- Get automatic alerts remotely when the job is printing and finished.

30%

faster print time than comparable printing solutions

Lower total cost of ownership.

With less upfront investment and a lower total cost of ownership, MediJet is designed to maximize your investment in 3D printing. All application needs can be met with one platform–no need for multiple printers.
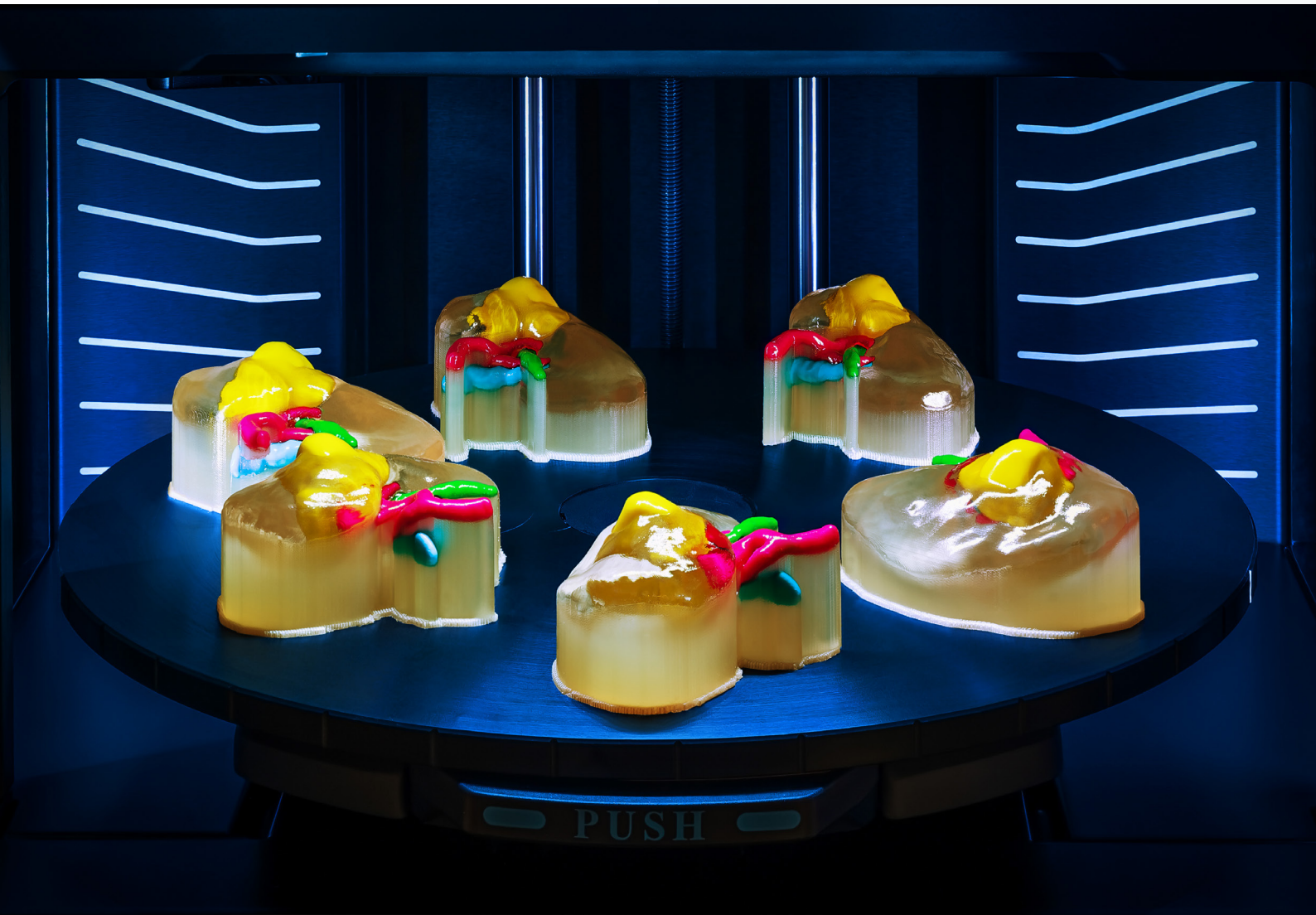
30%

ower cost per part compared to outsourcing

Economical DraftWhite Material

Significantly lower the cost of single material applications and bulk color models

See the specs.

J5 MediJet Printer and Material Specifications

Model Materials	Biocompatible materials: □ Biocompatible Rigid Transparent (MED610) ▣ Biocompatible Opaque (MED615RGD™ IV) ▣ Biocompatible Digital ABS Plus™ (MED531 and MED515+) Rubber Like: □ Elastico Clear (FLX934)	Rigid Transparent Colours: ■ VeroCyan™V ■ VeroMagenta™V ■ VeroYellow™V □ VeroUltra™ClearS ■ VeroBlackPlus™ □ DraftWhite (MED837)
Supported Sterilization Processes	Steam (4 minutes at 132 °C), Gamma (25 – 50 kGy), EtO (specifications available upon request)	
Digital Model Materials	Unlimited number of composite materials including over 500,000 colors	
Support Materials	SUP710™ (Water Jet removable), WSS™150	
Build Tray	Printing area: 1,174cm2 Max Part Size: Up to 140 x 200 x 190mm (5.51 x 7.87 x 7.48 in.)	
Layer Thickness	Horizontal build layers down to 18 microns (0.0007 in.)	
Accuracy	Deviation from STL dimensions with rigid materials,based on size: under 100 mm – ±150µ; above 100 mm – ±0.15% of part length	
Network Connectivity	LAN – TCP/IP	
System Size and Weight	651 x 661 x 1511mm (25.63 x 26.02 x 59.49 in.); 228 kg (503 lbs.)	
Operating Conditions	Temperature 18 – 25 °C (64 – 77 °F); relative humidity 30 – 70% (non-condensing)	
Power Requirements	100 – 240 VAC, 50 – 60 HZ, 10A, 1 phase	
Regulatory Compliance	CE, FCC, EAC	
Software	GrabCAD Print	
Build Modes	High Quality Speed (HQS) – 18.75µm	

Fusiform aneurysm

Saccular aneurysm

Ready to enhance healthcare?

Learn more about the J5 MediJet
3D printer at sys-uk.com.

Part of
CARFULAN
GROUP