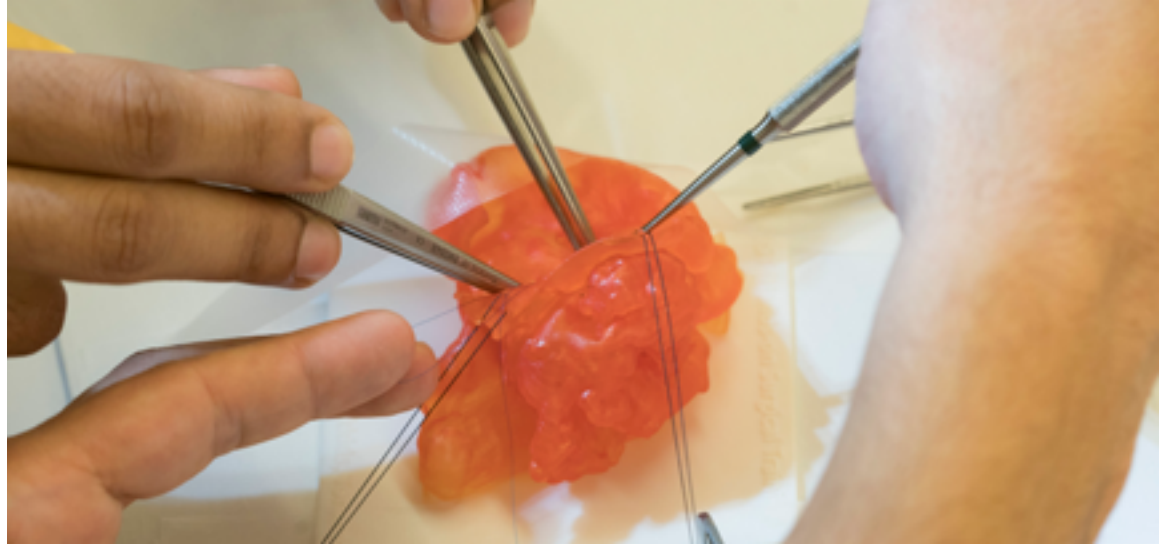


# J750 Digital Anatomy Solutions

## Bringing Medical Models to Life



### Moving From Visualization To Simulation

- Accelerate your time to market and increase adoption of your new technology with the J750 Digital Anatomy Solutions
- Create a life-like cardiac environment in a range of pathologies for product testing and surgeon training
- Validate performance
- Test and train anywhere
- Reduce the costs and inconveniences of cadaver and animal labs

## Digital Anatomy Applications: Cardiac

Stratasys® collaborated with leading medical device companies, hospitals, and research institutions to replicate the look and feel of actual cardiac tissues to bring you validated cardiac applications.

Each is functional, realistic and accurate, mimicking the look and feel of human anatomy — all made possible by our new digital materials unique to the J750™ Digital Anatomy™ printer.

### Accuracy

- Replicates very fine anatomy such as cordae tendineae and valve leaflets

### Realistic

- Ultra-soft material to mimic the feel and response of heart tissue
- Recreate hearts with functioning cords, annulus, valves and calcification
- Clinically realistic haptic feedback to device insertion and deployment
- Flexible to allow navigation of tortuous anatomy

### Functional

- Simulate clinical procedures for physician training and product testing
  - Maintains both compliance as well as durability and allows:
    - > Cutting and suturing
    - > Device insertion and deployment
    - > Patching
- Speed design verification and validation:
  - Obtain quantitative, objectively measurable performance data
  - Validate and verify new devices to achieve their intended objectives, faster and within budget

For more  
information, contact  
[medical@stratasys.com](mailto:medical@stratasys.com).





This is closer to reality. With soft material, these models can be used for surgical practice ... the new material has better elasticity, better strength.”

Shi-Joon Yoo, MD, PhD  
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