



DEVELOPMENT • MANUFACTURING

Ingenarious Consultants

Development Services
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Ingenarious Labs

Manufacturing Services
3D@ingenarious.com

3002 Dow Ave
Suite 306, Tustin, CA 92780

866.WE-ENGINEER

ingenarious.com
ingenarious.com/quote



Manufacturing Services

Precision contract manufacturing and component production, supporting pilot builds, controlled assemblies, and low-volume manufacturing for medical device innovation.

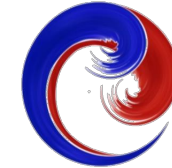
Request a quote:

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3D@ingenarious.com

CAPABILITIES

- Silicone Molding (LSR, HCR, RTV)
- CNC & Manual Machining
- 3D Printing (SLA, Polyjet, FDM)
- Injection Molding & Casting
- Device Assembly & Testing
- Pilot Production Runs

Expedites possible



Ingenarious Consultants

TURNING VISION INTO REALITY

We specialize in early-stage medical device engineering and consulting. Our innovative team guides your product from concept to design, manufacturing, and clinical trials.

**From concept to design
to manufacturing.**

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DEVELOPMENT SERVICES

- **Research & Development**

Design, concept exploration, feasibility studies, and technology assessment for novel medical devices

- **Mechanical Engineering**

CAD design, FEA analysis, tolerance studies, and DFM optimization

- **Manufacturing Engineering**

Process development, tooling design, and production transfer support

- **Electrical & Software Engineering**

PCB design, firmware, embedded systems, and sensor integration

- **Industrial Design**

User-centered product design, ergonomics, and brand-aligned aesthetics

- **Regulatory Affairs & Quality**

FDA submissions, ISO 13485 compliance, risk management, and DHF documentation



MANUFACTURING SERVICES

- **Silicone Molding & Coating**

Metal & plastic mold making in-house; LSR, HCR & RTV silicones

- **CNC Machining**

CNC and manual lathe & mill for metals and plastics

- **Injection Molding**

Low to medium volume injection molding

- **Waterjet Cutting**

Precision waterjet cutting for a variety of materials

- **3D Printing**

SLA/DLP for precision, Polyjet for medium, FDM for larger parts

- **Thermoform Packaging**

Custom thermoformed trays and packaging for medical devices

- **Device Prototyping & Testing**

Functional prototypes and verification testing

- **Pilot Production & Assembly**

Pilot builds, controlled assemblies, and process validation

JOB SHOP SERVICES

- **Silicone Molding**

Metal & plastic mold making in house
LSR, HCR & RTV Silicones
Volumes < 25 in 1-2 weeks
Volumes of 100+ in 3-4 weeks

- **Machining**

CNC Lathe & Mill
Manual Lathe & Mill
Metal & Plastic
Volumes < 5 parts in 1-2 weeks

- **3D Printing**

SLA / DLP for small and precise parts
Polyjet for medium sized parts
FDM for larger sized parts
Finishing operations

- **Plastic Molding**

Injection molding
Polyurethane casting
Volumes > 250 parts in 2 weeks

Expedites possible