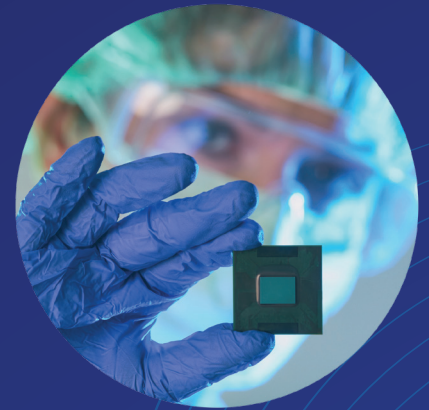


Bring Your Designs to Life with Vantiva Precision BioDevices

From the point-of-care medical diagnostic tools to critical systems in biotech, aerospace, life science, and industrial micro-electronics, you need precision you can depend on—down to the nano-scale.



Our Injection Molding division, centered in the Vantiva Innovation Center in Camarillo, CA,

leverages decades of expertise in high-speed injection molding, state-of-the-art machining and assembly equipment, and global scalability to keep your projects accessible, on time, and within budget.

Solutions for...

- Aerospace
- Microelectronics
- Medical Devices
- Lab-On-a-Chip
- Optics
- Biotechnology
- Micro Assembly
- Life Sciences

Cutting-Edge Injection Molding Equipment

We provide precise tooling and production with single-stage injection molding units from 88 to 220 tons and machining systems capable of micro and nano tolerances. support injection molding applications across a wide range of industries.

Complete End-to-End Solutions

Our expertise in machining, fabrication, packaging, and shipping logistics makes us an ideal partner for rapid prototyping, quick-turn overflow production, offload contract work, and more.

Extensive Material Specialities

We work with a wide range of resins, including thermoplastics, PHA bio-resins, and custom blends to support injection molding applications across a wide range of industries.

Exceptional Quality Standards

Our precision molding processes are integrated with ISO-7 clean rooms and adhere to the highest standards of quality.



- 35 Years Precision Injection Molding Experience
- Certified ISO 13485:2016 Production Processes
- Local Production, Global Expertise



Explore Our Precision Molding Equipment and Capabilities

The Vantiva Innovation Center utilizes the most advanced and versatile tools in mold tooling, injection molding, bonding, assembly, and distribution to exceed the demanding requirements and rigorous expectations of our clients in industries from aerospace manufacturing to medical devices.

Injection Molding and Mold Tooling

ARBURG 470 A 800 – 170 L2 | 88ton

ARBURG ALLROUNDER 520 A 1500 - 290 L1 | 165ton (x2)

ARBURG ALLROUNDER 570 A 2000 - 400 L1 | 220ton

Robotic Arm Offloading

Kern EVO | Ultra Precision CNC Machining Centre

OKUMA GENOS M560-V | Vertical Machining Center

Advanced mold cavity temperature control technology for demanding resins

Metrology/Inspection/Testing

Olympus LEXT OLS 4100 | Laser Confocal Scanning Microscope

Keyence IM-8030 | Image Dimension Measurement System

Mark-10 Force Gauge | Motorized Force Tester

Quality Control

Multiple ISO-7 Class 10,000 clean room environments

Fully configurable production clean room supporting assembly, primary packaging, etc.

HEPA Filtered Cell Robot Handling Clean Room Conveyor

ISO 13485:2016 certified quality system

Liquid Dispensing

BioDot AD1520 | Lab Dispensing System

Bonding and Assembly

LPKF PrecisionWeld 3000 | Laser Welding System

LPKF PowerWeld 2600 | Laser Welding System

Wickert WLP 100S | Hydraulic Lab Press

Chemstruments LL-100 | Automated Laminator

Solvent Bonding System | Custom

Material Specialties

Cyclic Olefin Polymer (COP)

Cyclic Olefin Copolymer (COC)

Polypropylene (PP)

Polystyrene (PS)

Polycarbonate (PC)

Polymethyl Methacrylate (PMMA)

Additional Molding Equipment

TroTec Speedy 100 | CO2 Laser Cutter

Tantec RotoTEC-X System | Corona Discharge System

Olympus Fluorescence Inverted Microscope

Formlabs Form 2 | 3D Printer

Secondary Operations, Kitting, and Packaging

Convenient Mold Transfer and Secure Storage

Put Extensive Precision Molding Expertise At Your Fingertips

For more information, please contact: pbd.marketing@vantiva.com