

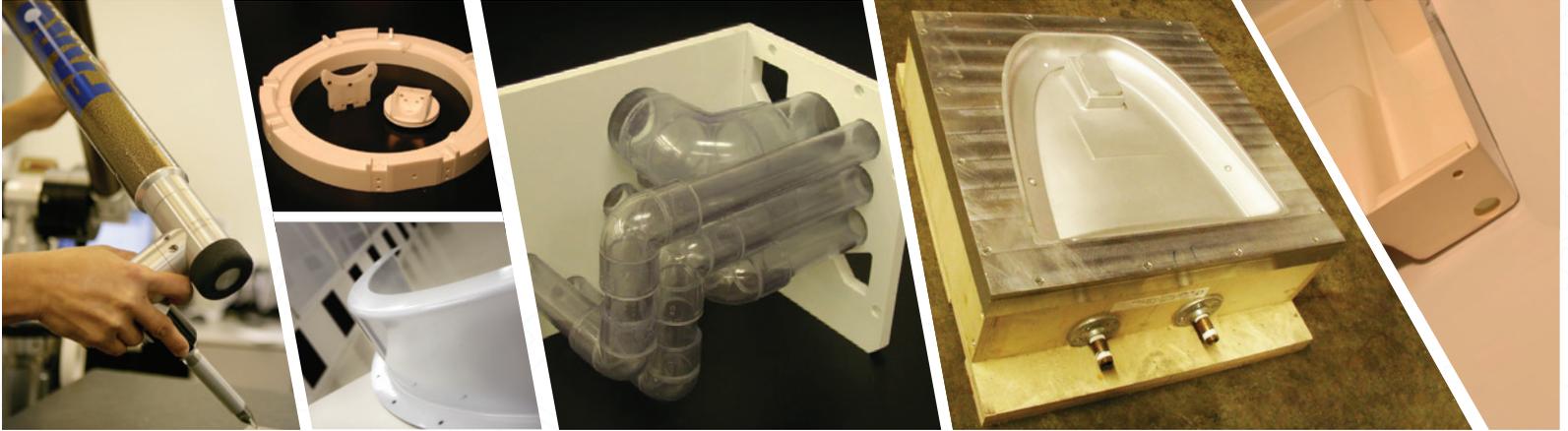
# Custom Manufacturing Solutions

Union City, CA



# ichor systems

# Manufacturing Support for Advanced Systems



## PRESSURE/VACUUM FORMING

Ichor Systems offers a wide range of thermoforming capabilities to serve our customers' needs, be it a stylish and crispy detailed cover, or a heavy duty large panel. Our in-house manufacturing capabilities span the entire product development process from mold and tool-making to state-of-the-art CAD-CAM programming.

## MOLD AND TOOLING

Ichor offers complete in-house mold making and tooling capabilities under one roof. Our special projects team, composed of skilled and experienced technicians armed with the latest technology in CAD-CAM, is capable of tackling the most challenging projects. Localizing the production of molds and tooling allows faster production at lower costs, with quality to meet the most exacting standards.

## THERMOPLASTIC WELDING

Thermoplastic welding is often the most cost effective method of fabrication. This is especially true with chemical containment systems. Our experienced team can weld any thermoplastic polymer and many technical plastic materials on the market today.

## PRECISION CNC MACHINING

When close tolerances and complex shapes are required, CNC machining is the method of choice. Ichor's engineering team works closely with the CNC Department personnel to assist customers with problem resolution and process control during the early stages of production. Ichor has the CNC resources, equipment and expertise to meet all our customers' needs.

## FABRICATION

Many applications require parts that are fabricated from formed or machined components. Usually secondary operations are required for additional components and attachments. Ichor provides complete fabrication services to cover a wide range of client requests.

## ASSEMBLY

Ichor has multiple assembly lines dedicated to both clean room and non-clean room assembly. We have the capacity for both simple and complex electro/mechanical assemblies.

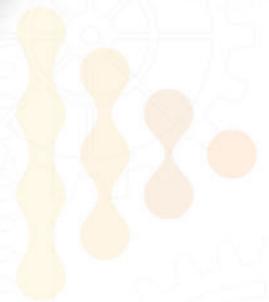
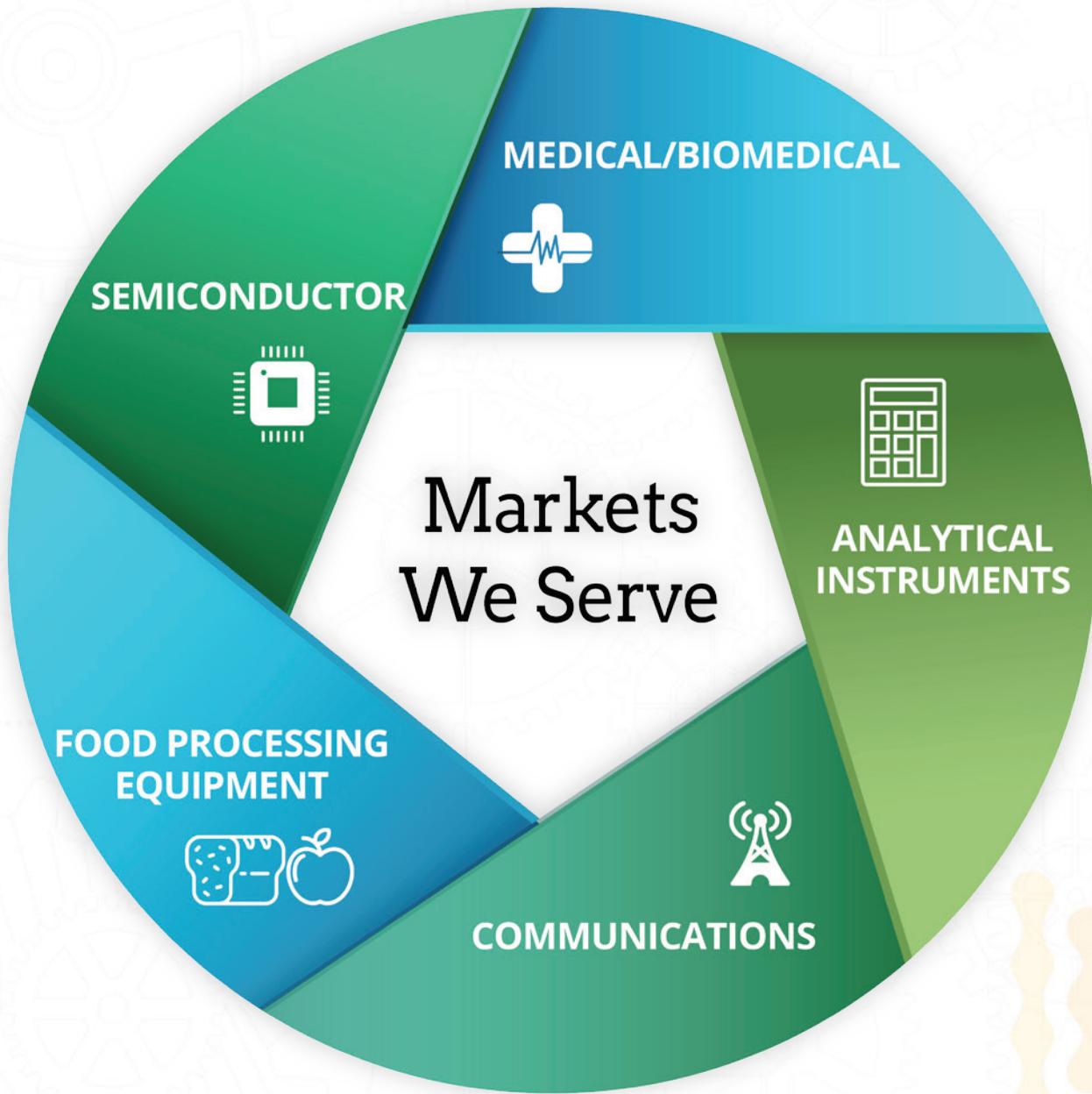


## Engineering Services

We offer many valuable engineering support services to our customers including:

- Alternative design solutions to meet budget constraints
- Web based material (plastics) selection
- Evaluation of best manufacturing techniques and materials for cost reduction
- The latest technology in 3D CAD/CAM (Solid Works, Inventor, AutoCad, Surf Cam, Mastercam, CamWorks) for fast and accurate processing
- The ability to import your engineering models from virtually any CAD platform to assure quality, speed and product integrity
- Technical assistance at the design level to ensure manufacturability and cost effectiveness.
- Solid model concepts for evaluation purposes





# Commitment to Quality



## QUALITY STANDARD

Ichor's continued growth is enabled by our commitment to making a quality product. From documentation to process control to final inspection, Ichor employs a Total Quality Program to ensure that every part we ship meets all customer expectations.

Using a complete range of computer and conventional measuring equipment, our Quality Assurance staff performs in-process checks and final inspections on all parts. Parts are made using standardized operational routines with conformance to print dimensions checked at each step in the manufacturing process.

Through our integrated database system with real-time input, immediate feedback is available on part status and usage. This ability to track part history and work-in-process ensures a more efficient and timely response to customer needs.

## TEST LABS AND CONTROL

- Multiple programmable coordinate measuring machine  
>>Stationary >>Portable >>Video
- Optical comparators
- Full range of conventional quality inspection tools
- Third party certified calibration
- Experienced third party certified inspection team





## About Ichor Systems

Ichor Systems is an experienced leader in the critical subsystems and turnkey process equipment marketplace. Our custom manufacturing solutions include complex plastic and metal products for the medical/biomedical, semiconductor, data communication, food process equipment, and analytical instrument industries. With both ISO 9001:2008 and ISO 13485:2003 certifications, Ichor is positioned to meet our clients' standards for compliance and quality. Our 500+ employees are strategically located to provide customers with the highest level of customer service and support from our program management, sales, engineering, and executive management teams.

Ichor is headquartered in Fremont, California with manufacturing locations in California (Union City), Oregon, Texas, Singapore, Malaysia and the UK. Our sales and engineering office is strategically located in Silicon Valley, California.

We strive to meet our customers' needs by providing quality products and continuously improving our processes and methods. Our real-time integrated database system allows us to track the manufacturing process and accurately respond to customer inquiries.

Our lean manufacturing methods enable optimal production efficiency and shortened lead times. By partnering with Ichor Systems, our clients achieve higher standards of production while reducing costs and time to market.

For more information on Ichor Systems, visit us on the web at [ichorsystems.com](http://ichorsystems.com) or contact us at **510.897.5200**.



### Ichor Systems, Union City

 34585 7th St.  
Union City, CA 94587



 (510) 476-8000  
 (510) 476-8001  
 [service@ichorsystems.com](mailto:service@ichorsystems.com)

