

PSN Labs is your full-service development partner.

Our decades of experience in design and material sciences, combined with our injection molding and testing capabilities, uniquely position us to take your product to market with ease and confidence. Whether developing from scratch or looking to improve an existing product, we have the expertise to solve your most difficult design, material, manufacturing, or regulatory challenges.

Our Production Department is a full-service development and manufacturing partner for all injection molded components. Our team of scientists and engineers engage seamlessly across the whole organization to ensure all aspects of a product have been evaluated from design through the manufacturing process to mitigate the risks associated with launching a product to market.



This holistic approach:

- ⇒ Allows real-time adjustments to be made, ensuring a product is designed for manufacturability.
- ⇒ Reduces communication gaps between different organizations in the supply chain, avoiding critical details getting lost in transition from development to production.
- ⇒ Allows for better control of timelines and eliminates delays dealing with multiple sources.
- ⇒ Reduces overall cost associated with back end failures common in the industry.

www.psnlabs.com

PSN Labs
 5368 Kuhl Road, Erie, PA 16510
 814.464.0970
info@psnlabs.com
 Follow us:



ISO 9001:2015 Certified
 ISO 13485:2016 Certified (Molding)
 ISO/IEC 17025:2017 Certified



PRODUCTION CAPABILITIES



INJECTION MOLDING

- Thermoplastic Injection Molding
- Liquid Silicone Rubber (LSR) Molding
- Two Shot Thermoplastic and LSR Molding
- White Room/Cleanroom for Medical Molding
- Test Specimen Molding
- Rapid Prototyping with Fast Turn Tooling
- SPI Class 101 and 102 Production Molds
- Cost Reductions by Focusing on Automation and Advances in Manufacturing Technology

LSR MOLDING CAPABILITIES

- Single Part Overmolding
- Two Shot Overmolding
- Durometer Ranges from 5 to 80 Shore A
- Press Time Available for Prototype or Research/Development
- Variety of Melt Delivery Systems Available to Support Low or High Volume Needs

THERMOPLASTIC MOLDING CAPABILITIES

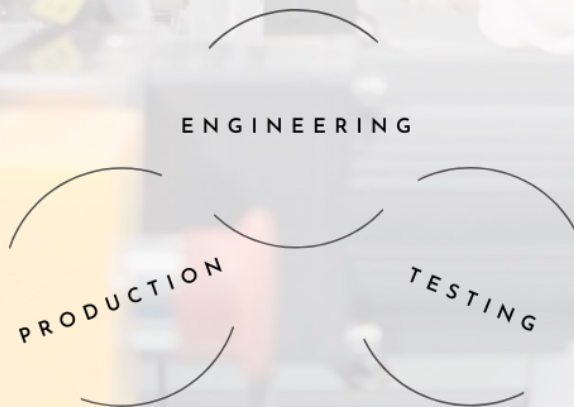
- Press Size Range: 7 U.S. Tons to 197 U.S. Tons
- Equipped to Manage the Highest Temperature Resins in the Industry
- Barrel Temperatures up to 840 Degrees (F)
- Mold Temperatures up to 446 Degrees (F)
- Vertical Presses for Insert Molding
- Multiple Component Overmolding
- Rotary Table for Optimized Cycle Time on Insert Molding

TEST SPECIMEN MOLDING

- Tooling for most ASTM and ISO Standard Test Geometries
- Various Nonstandard Sample Geometries
- Custom Geometries

ADDITIONAL CAPABILITIES

- Metrology
- High Accuracy Image Dimension Measurement
- Moisture Analyzer
- Filling Simulation and FEA
- PAD Printing
- 3D Printed Prototypes/ 3D Printing for Assembly and Inspection Fixtures
- Custom Thermoformed Packaging
- Tool Shop for Maintenance and Repair
- Custom Material Compounding



www.psnlabs.com
info@psnlabs.com