

With 4 locations throughout the United States

Hudson, MA
34 Tower Street
Hudson, MA 01749
Tel: 978-567-1000

Berlin, CT
114 New Park Drive
Berlin, CT 06037
Tel: 860-828-6400

Lancaster, PA
310 Running Pump Road
Lancaster, PA 17603
Tel: 717-299-1001

South Bend, IN
5102 Dylan Drive, Suite 100
South Bend, IN 46628
Tel: 574-234-9036

www.plasticmoldingmfg.com

844-766-2100 • sales@plasticmoldingmfg.com



Serving Multiple Markets

Medical • Electronics • Connectors • Industrial • Transportation
Defense & Firearms • Consumer



About Plastic Molding Manufacturing

PMM Equipment List

Since 1968, Plastic Molding Manufacturing has produced innovative and technologically advanced plastic products. Our experienced engineers and associates work with scientifically efficient systems and technologies to exceed our customers' expectations. We are proud to offer a complete array of services from development to completion, both locally and throughout the United States.

Hudson, MA

80,000 Square Feet
32 Molding Machines
(24 to 500 Ton, 4 Vertical, 1 Two-Shot)
Tool Room

ISO 9001: Certified
ISO Class 8 Cleanroom
UL Approved & ITAR Certified



Berlin, CT

67,000 Square Feet
32 Molding Machines
(24 to 500 Ton, 4 Two-Shot)
Tool Room

ISO 9001: Certified
UL Approved & ITAR Certified



Lancaster, PA

25,000 Square Feet
14 Molding Machines
(33 to 360 Ton)
Tool Room

ISO 9001: Certified
Lights Out Operation
RJG Master Molder Certification



South Bend, IN

41,000 Square Feet
29 Molding Machines
(38 to 200 Ton)
Tool Room

ISO 9001: Certified
Lights Out Operation



Hudson, MA

- (1) 30 Ton Newbury Shuttle
- (1) 75 Ton Newbury Shuttle
- (2) 120 Ton Van Dorn
- (3) 50-55 Ton Demag
- (3) 85 Ton JSW
- (2) 110 Ton JSW
- (2) 120 Ton Demag
- (1) 85 Ton Demag
- (2) 165 Ton JSW
- (1) 170 Ton Van Dorn
- (1) 197 Ton Nissei
- (1) 300 Ton Van Dorn
- (1) 400 Ton Van Dorn
- (1) 500 Ton Van Dorn
- (1) 202 Ton Nissei
- (1) 50 Ton Van Dorn
- (2) 55 Ton JSW
- (1) 242 Ton JSW
- (1) 200 Ton JSW
- (2) 120 Ton JSW
- (1) 40 Ton JSW Shuttle
- (1) 110 Ton Arburg

Berlin, CT

- (1) 33 Ton Cincinnati
- (4) 55 Ton Nissei
- (1) 55 Ton Arburg
- (1) 67 Ton Absolute
- (2) 72 Ton Nissei
- (1) 88 Ton Nissei
- (1) 100 Ton Nissei Rotary
- (1) 101 Ton Absolute
- (1) 110 Ton Cincinnati
- (1) 123 Ton Nissei
- (1) 164 Ton Cincinnati
- (2) 180 Ton Nissei
- (6) 200 Ton Nissei
- (3) 220 Ton Arburg 2-shot
- (1) 237 Ton Nissei
- (1) 240 Ton Toshiba
- (1) 300 Ton Nissei
- (2) 350 Ton Arburg
- (1) 400 Ton Nissei
- (1) 500 Ton Nissei
- (1) 618 Ton Absolute

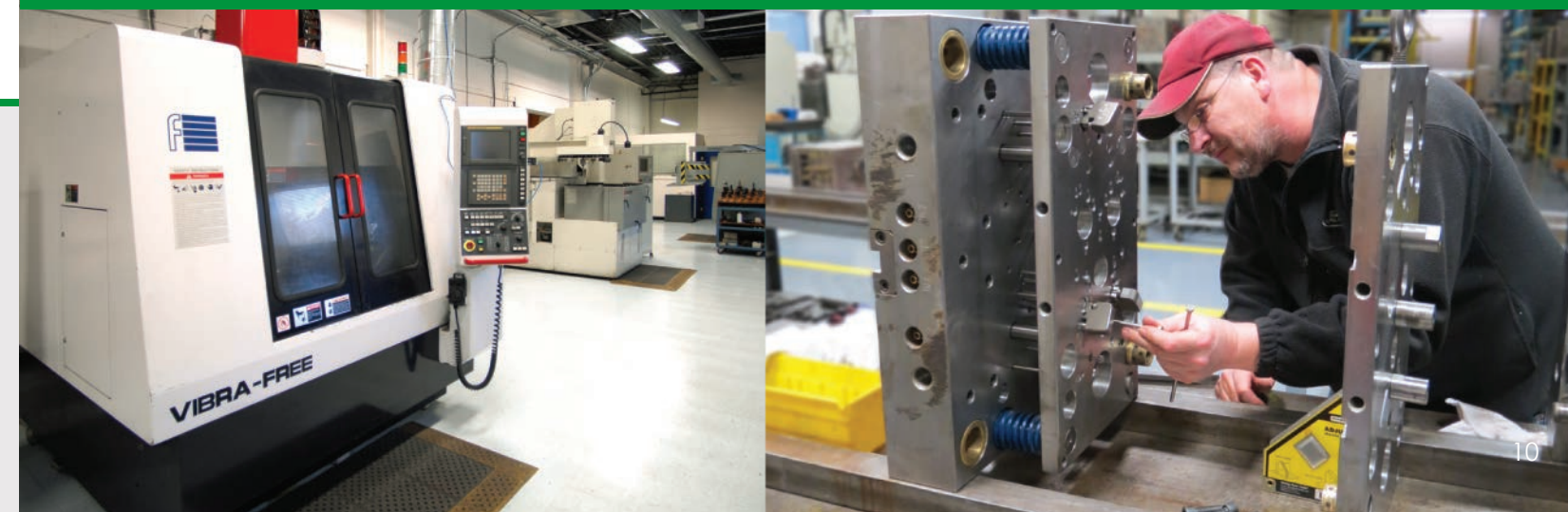
Lancaster, PA

- (1) 33 Ton Cincinnati
- (3) 55 Ton Cincinnati & Sumitomo
- (1) 90 Ton Engle
- (1) 110 Ton Cincinnati
- (1) 120 Ton Negri Bossi
- (1) 165 Ton Cincinnati
- (1) 247 Ton Sandretto
- (3) 300 Ton Cincinnati & Engle
- (2) 359 Ton Negri Bossi

South Bend, IN

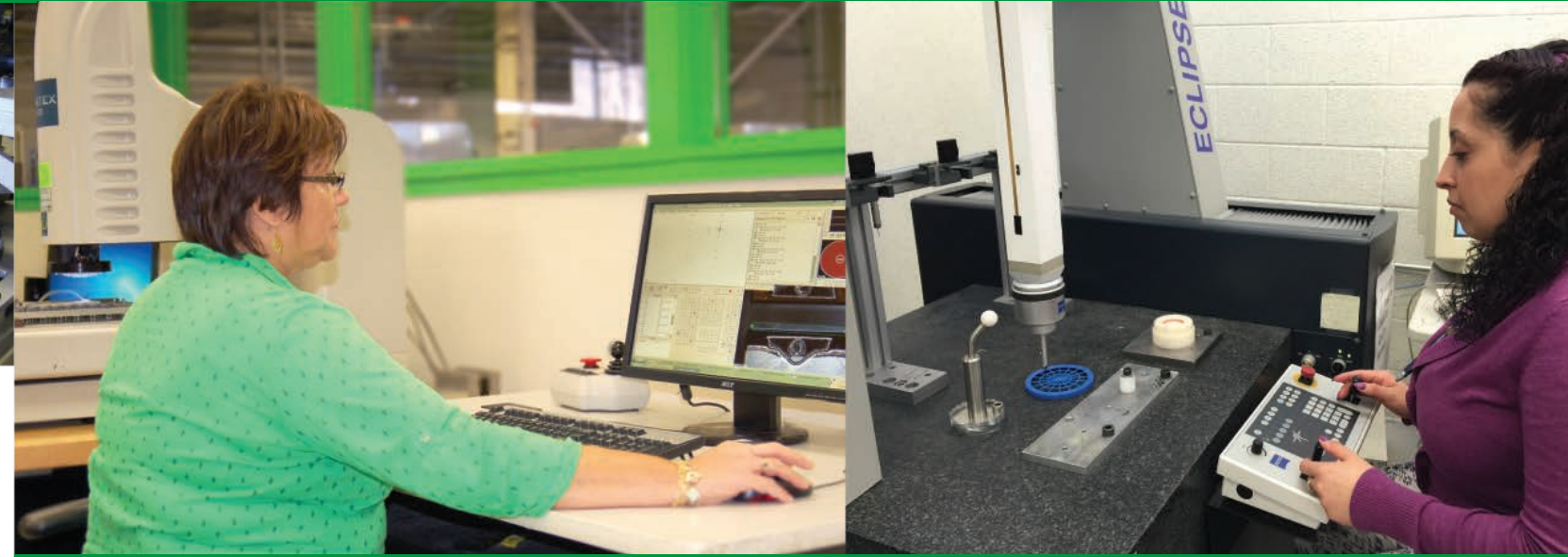
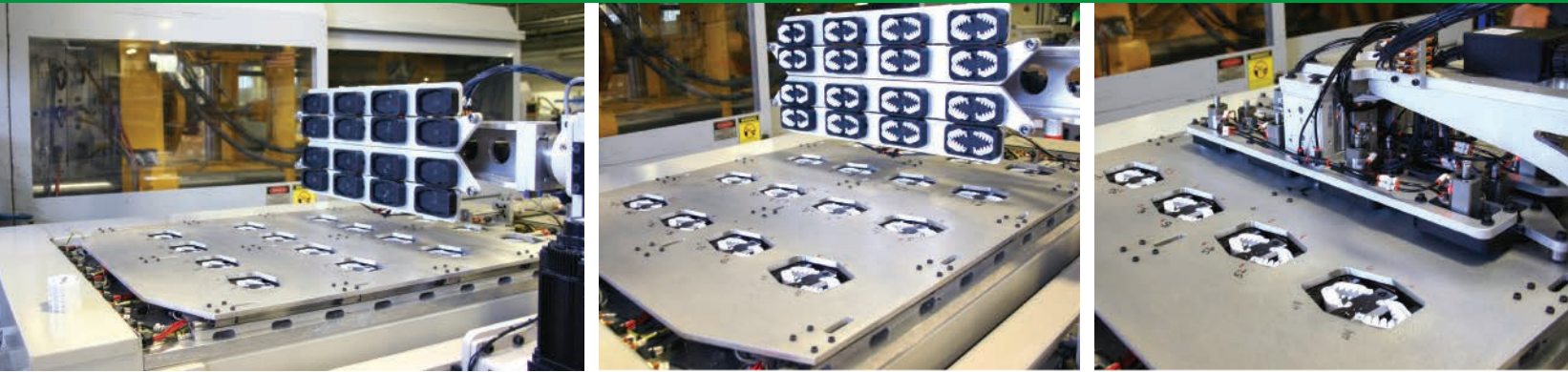
- (1) 60 Ton Sodick
- (2) 100 Ton Sodick
- (1) 60 Ton Nissei
- (2) 100 Ton Nissei
- (2) 110 Ton Nissei
- (1) 180 Ton Nissei
- (1) 190 Ton Nissei
- (5) 55 Ton Toyo
- (8) 90 Ton Toyo
- (1) 110 Ton Toyo
- (5) 200 Ton Toyo

With our in-house **mold repair and maintenance services** you can protect your investments and longevity of your mold.



Automation

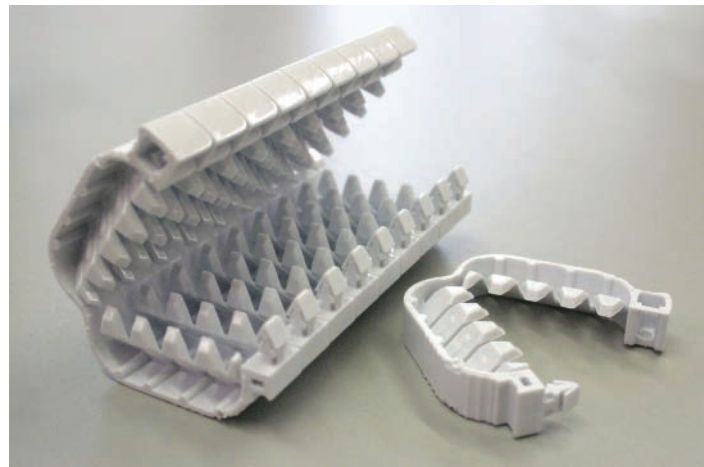
Commitment to Quality



Our team at PMM has experience with developing custom **Automated Work-Cells** to optimize your high volume and complex production runs.

We can help optimize your production with any of the following automated processes:

- Part Picking & Handling
- Insert Loading
- Stacking
- Welding
- In-Mold Assemblies
- Part Marking (etching or impact engraving)



Our Quality Management System provides our partners with repeatable, efficient, and cost effective solutions for product success and business partner satisfaction.

From concept to production, we're dedicated to our customers' total satisfaction in each item delivered and each service provided. Our ISO: 9001 Certifications represent more than a registration by accrediting agencies; it's a process-driven culture of systemic quality and continuous improvement. We are committed to providing valuable resources while continuously challenging ourselves to improve on our quality metrics and exceed our customers' expectations for all new products and/or legacy programs.

Highlights of Our Quality System:

- IQ/OQ/PQ Validation Protocols
- Statistical Process Control
- Materials Traceability
- Documented Inspection Plans and Procedures
- Cause & Corrective Action Procedures
- PPAP, FMEA & Process Capability Studies
- Controlled 8D CAR and MRB system
- Documented Shipping Instructions

Check out our website for videos and more information
www.plasticmoldingmfg.com



PMM can be your partner and solution for complex production processes. The part below is manufactured using an automated welding and filling work-cell for multiple component assembly.



Our Plastic Expertise

Visual Inspection System

Project Management

Program Management
Supply Chain Management
Quality Control
JIT / Kanban Programs
Analytical Testing
IQ / OQ / PQ & PPAP Process
Qualification / Validation

Product Development

Design for Manufacturability
Rapid Prototyping
Vertically Integrated Manufacturing
Thick and Thin Wall Molding
Material Selection
Product Packaging
Automation & Assembly
Mold Flow Analysis

Value Added Services

Part Joining
Adhesive Bonding
Heat Staking
Ultrasonic Welding
Pad Printing and Decorating
Hot Stamping
Mold Maintenance, Repairs,
Modifications and Transfers



Molding Technologies

Our plastic molding facilities offer flexibility in processing all types of thermoplastic materials to achieve the best possible results for your requirements.

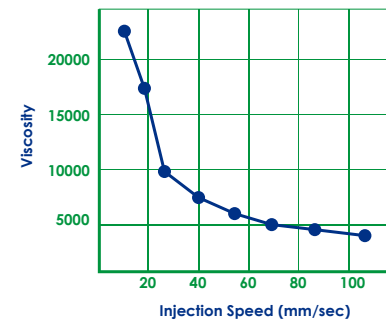
Insert Molding

Tooling, labor, and secondary operation costs can be reduced with our automated work-cells that insert multiple combinations of materials into plastic components.



Scientific Molding

We use the DeCoupled Molding Process to analyze material behavior and machine performance for complete control during the molding process.



Overmolding

Our ability to mold one thermoplastic over another during the injection molding process allows our customers to create products with unique cosmetic and ergonomic appeal.

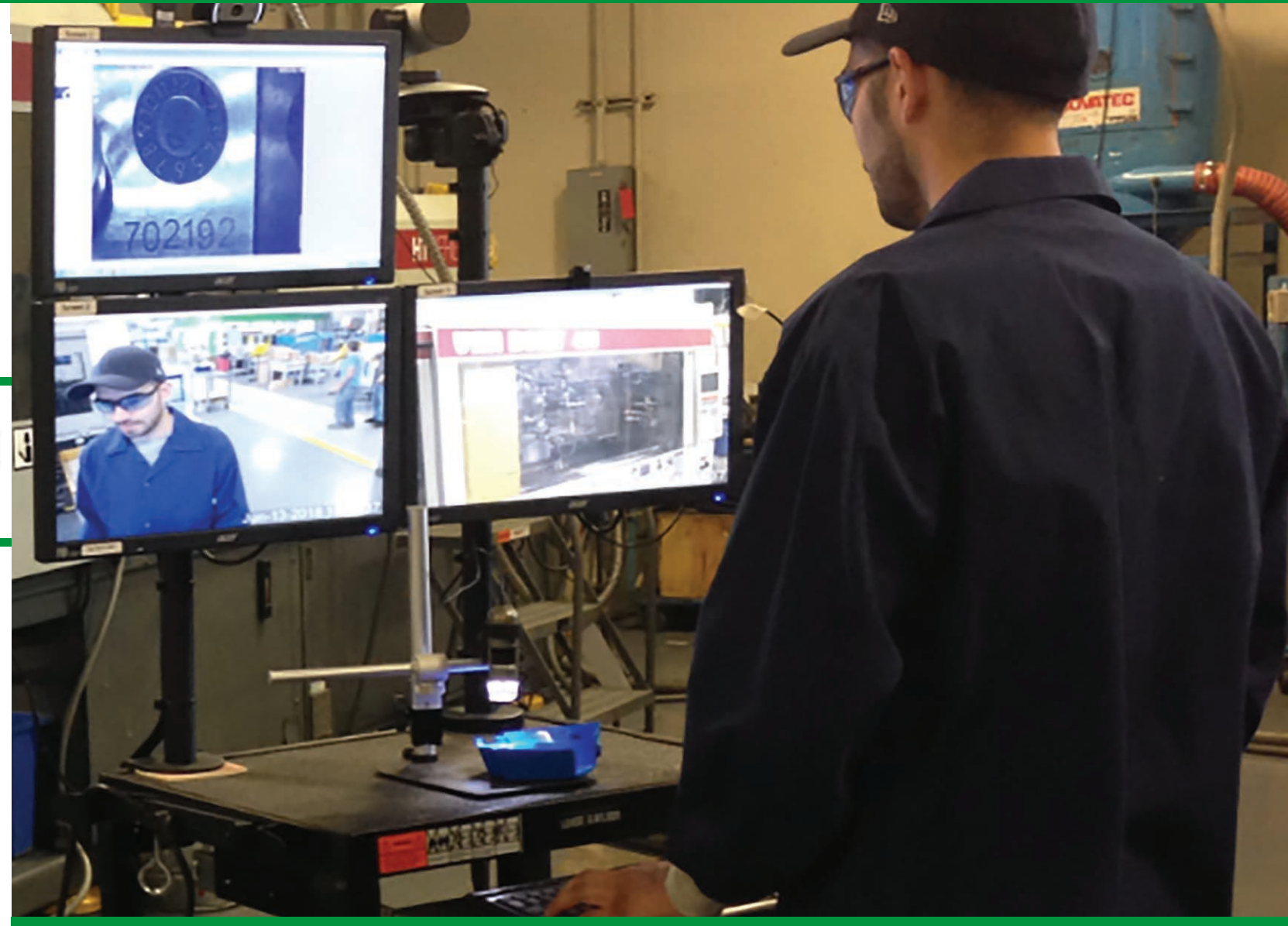


At PMM we offer a proprietary line of plastic fasteners for your assemblies and plastic component needs. Check out our website for catalog.



Mobile Automated Trainer (MAT)

Our proprietary MAT provides state-of-the-art training to our associates in real-time on a continuous basis. This multilingual, visual and audio training tool ensures that our associates are highly trained, for any production process.



Our Visual Inspection System allows you to virtually view your sample production run, from your computer.

System Includes:

- High-Technology Cameras to view the molding process
- Microscopic Camera for viewing detailed aspects of the component
- Precise digital measuring capabilities
- Audio system to communicate with our Process Engineers or Quality Inspectors
- State-of-the-art wireless network for high definition conferencing

If your project is with PMM, you can review your parts being sampled from your computer anywhere in the United States or the world.

Cleanroom Injection Molding

Two-Shot Molding



Our ISO Class 8 Cleanroom is equipped with horizontal and vertical clamp presses, including a vertical rotary table and two-shot molding press.

Enhance your products with effective alternatives for assemblies with **Cleanroom Insert Molding**. Our team will help optimize your product design for insert molding to minimize components, maximize quality, and improve overall manufacturability.



Surgical System



Surgical Stapler



Enteral Tube Feeder

Utilize multiple materials and improve production with our **Automated Two-Shot** Work-cell.

Benefits of Two-Shot Molding

- Multi-Color, Multi-Material and Multi-Component
- Eliminates Secondary Operations, Reducing Time to Market
- Movable Segments or Components (In-Mold Assembly)
- Improved Product Integrity
- Enhance Product Features Using Soft Touch Elastomers
- Enhance End-User Performance
 - Non-Slip Grips
 - Reduced Vibration
 - Improves Noise Dampening
 - Drop Protection
 - Water Shield and Protection
- Enhanced Tactile, Ergonomic and Cosmetic Aspects
- Improve Safety with Component Adhesion



Two-Shot Compatibility Chart

Materials	ABS	ASA	CA	PA 6	PA 6.6	PA Blend	PBT	PC	PC/ABS	PC/PBT	PC/PET	PE	PET	PMMA	POM	PP	PPO	PS	SAN	TPE	TPU	LSR
ABS	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black
ASA	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black
CA	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black
PA 6	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black
PA 6.6	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black
PA Blend	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black
PBT	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black
PC	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black
PC/ABS	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black
PC/PBT	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black
PC/PET	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black
PE	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black
PET	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black
PMMA	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black
POM	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black
PP	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black
PPO	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black
PS	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black
SAN	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black
TPE	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black
TPU	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black
LSR	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black

Excellent Adhesion
 Poor Adhesion
 Good Adhesion
 No Data Available
 Fair Adhesion

Some Applications for Two Shot and Multi-Component Molding Include:

- Endoscopy
- Laparoscopic Instrumentation
- Glucose Monitors
- Insect Cartridge
- Electrical Components
- Gasketing
- Safety Apparel
- Automotive Buttons
- Syringes
- Diagnostic Equipment
- Purification Filters

Serving Multiple Industries

For All Your Plastic Needs

Medical / Lab Ware Products

Critical Patient Care
Diagnostic Equipment
Drug Filtration
High Volume Disposable Products
Housings and Components



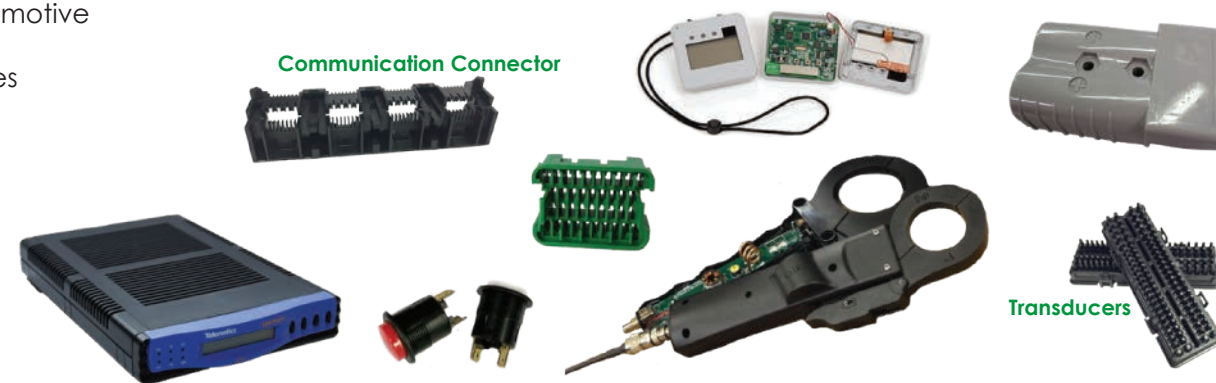
Defense and Firearms Products

Military
Sporting/Gaming
Firearms



Electronic & Connector Components

After-Market Automotive
Micro Switches
Hand-Held Devices
Control Systems
Pet Care



Transportation Components

Automotive OEM
After-Market Automotive
Railroad Industry
Lens



Industrial Components

Control Units
Analysis Equipment
Filtration Systems
Instrumentation Housings
& Components



Consumer Products

Footwear
Pet Care Systems
Local Brewers
Jewelers
Cosmetics

