

A young girl with long brown hair is climbing a rope structure on a playground. She is wearing a blue sweater and is smiling broadly. Another child is visible in the background, also smiling. The scene is set outdoors with green foliage and a bright sky.

**TOGETHER, WE MAKE  
THE IMPOSSIBLE**



IN ORDER TO MAKE THE IMPOSSIBLE, FIRST WE HAD TO **MAKE A DIFFERENCE.**

By producing specialized components for the medication delivery systems that are integral to today's healthcare industry—such as mobile insulin pumps for diabetes management—Micro Mold and Plastikos help deliver life-changing innovation to those who need it most.

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PRECISION MOLD DESIGN AND FABRICATION CAPABILITIES. UNPARALLELED TECHNICAL SUPPORT. UNPRECEDENTED LIFETIME WARRANTY.

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We started with a vision. To provide smart, value-added manufacturing for even the most rigorous real-world applications. Backed by the only lifetime warranty in our industry. Setting the industry standard for excellence since 1978, we remain true to both our pioneering nature—and our core values. From specialized medical and surgical devices to customized electronic connectors and beyond, we consistently deliver breakthrough plastic components for every part of life.



**EXCELLENCE IS EMBEDDED  
IN OUR CULTURE** **AND OUR DNA.**

Rooted in precision moldmaking and driven by unparalleled tooling expertise, nothing defines Micro Mold and Plastikos more than our people. With more RJG Master Molders and degreed Plastic Engineers than any other manufacturer our size—and a vast majority of larger resources as well—you’ll find a tight-knit, technologically advanced workplace that’s brimming with talented, motivated individuals. Committed to innovation, we bring together experts from various disciplines to deliver exceptional products, service and value on every project. It’s a mindset that extends throughout our entire organization—and influences our approach as we cultivate future strategic partnerships.

**JASON TRAPP**  
TOOLMAKER  
TEAM MEMBER SINCE 2006

**STEVE CARR**  
TOOL ROOM MANAGER  
TEAM MEMBER SINCE 1982

**DESIGN**  
for manufacturing knowledge and  
**EXPERTISE**  
to deliver improved product design

Multi-cavity, high-complex  
injection molds backed by a  
**100%**  
lifetime warranty

**CUSTOM**  
injection molding services for highly engineered,  
complex, tight-tolerance plastic components

**75,000+**  
square feet of combined engineering, design,  
manufacturing and warehousing space

**ISO 7**  
(Class 10,000) cleanroom molding  
proficiency supported with secondary assembly,  
packaging and value-added operations

**150+** employees and growing

All products proudly Made in the **USA**



**LEADING TECHNOLOGY,  
EXTRAORDINARY EXPERTISE.**

Dedicated Sales Engineering consultants ensure customer requirements are met throughout the entire sales cycle

In-house mold design and more than 400 collective years of precision moldmaking experience are utilized to deliver only the highest-quality injection molds

Project management directed by degreed Plastics Engineering professionals

In-house metrology experts trained in IQ/OQ/PQ protocols among other validation techniques

Process validation is led by RJG Master Molder Level II Plastics Engineers to certify and document that a robust molding window is established

Manufacturing engineering team continuously looks for ways to further minimize scrap, improve process efficiency and increase production yield in order to provide the best overall value on price and quality

## WORLD-CLASS EXPERIENCE, UNRIVALED PASSION.



# WHEN OUR CUSTOMERS GO TO MARKET, A LITTLE PART OF US GOES WITH THEM.

For us, success isn't simply measured in dollars and cents. It's the satisfaction of knowing that we help our customers deliver revolutionary products—and that their end users benefit greatly from our involvement. With a focused strategy on manufacturing components that positively affect quality of life, our key niche markets include—but are not limited to—the following:

MEDICATION DELIVERY SYSTEMS

SURGICAL DEVICES

MICROFLUIDIC PUMPS & INSTRUMENTS

ELECTRONIC CONNECTORS

MICRO MOLDED COMPONENTS

Each market represents our unyielding commitment to provide superior quality, competitively priced parts—custom built for the most complex applications and tightest tolerance specifications.





## EYE CARE

### THE INITIAL CHALLENGE

A global leader in surgical and vision care products was searching for a molding partner that could deliver the intricacy and attention to detail their new surgical eye care device required. The molding partner needed to have experience with specialty and engineering grade resins, expertise in developing complex, multi-cavity tooling as well as in-house tooling support with the ability to quickly react to changes during the development phase of their new device.

Given the complexity of the device and a critical tolerance of less than 0.001” on the fragile core pin in some applications, the customer was not certain that meeting such strict performance qualifications was even attainable.

In response, our expert team delivered a multi-cavity tool to the customer’s exact specifications—providing a quick return on investment less than six months removed from machined to molded component. This collaborative team effort laid the foundation for our growing strategic partnership with multiple manufacturing facilities throughout the United States.

### STRATEGIC SUPPLIER PERFORMANCE

- › 100% YEAR-OVER-YEAR ON-TIME DELIVERY PERFORMANCE
- › ZERO YEAR-OVER-YEAR EXTERNAL REJECT RATING
- › TENS-OF-MILLIONS OF PRODUCT SHIPPED ANNUALLY

### CUSTOMER RESPONSE

“Overall, Plastikos was an incredible find for us. There’s high comfort when selecting Plastikos for a new project as we know it will be done on time, done correctly, and with high quality.”

—Teresa S. Purchasing Manager



## MEDICATION DELIVERY

### THE INITIAL CHALLENGE

To satisfy the demand of patients with T1 Diabetes, a high-tech medical device company began development of an easy-to-use miniature insulin delivery pump that functions much like a smartphone. The innovative pump needed to deliver a slow, continuous supply of basal insulin to control blood glucose levels at a rate as low as 1 microliter/hour. Additionally the pump needed to deliver a quick bolus dose of insulin during meals or when the patient’s blood glucose levels are elevated—with doses as low as 0.1 microliters.

The stringent performance qualifications of the miniature device would push the engineering and manufacturing limits of the customer as well as their entire supply chain. The molding partner selected needed to meet the following criteria:

- » Dedicated engineering staff to help troubleshoot during the initial design phase of the pre-production launch
- » Extensive quality engineering capabilities to meet their rigorous (IQ/OQ/PQ) qualification and documentation requirements
- » Experience with fluid handling and other drug delivery related devices
- » Proficiency with manufacturing micro molded components given that some product features were as small as 0.010” with less than a 0.001” tolerance in multi-cavity tooling ranging up to 32 cavities

### STRATEGIC SUPPLIER PERFORMANCE

- » 100% YEAR-OVER-YEAR ON-TIME DELIVERY PERFORMANCE
- » 100% PRODUCT TRACEABILITY THROUGH CAVITY-PRESSURE MONITORING
- » ZERO YEAR-OVER-YEAR EXTERNAL REJECT RATING
- » TENS-OF-MILLIONS OF PLASTIC COMPONENTS SHIPPED ANNUALLY
- » LARGEST GLOBAL INJECTION MOLDING SUPPLIER

### CUSTOMER RESPONSE

“EXCELLENT customer service. Exactly what I expect in a business partnership. They (Micro Mold and Plastikos) allowed us to meet some very challenging dimensions in multi-cavity tooling. I am not sure we could have accomplished this with any other supplier.”

—Jim L. Vice President of Operations



## ELECTRONIC CONNECTORS

### THE INITIAL CHALLENGE

In 1993, Plastikos began working with an award-winning connector manufacturer that specializes in high-speed/micro board-to-board connectors. In order to develop connectors for a wide range of industries, the company desired a molding partner with expertise in the following criteria:

- » Ability to EDM micro-precision features as small as 0.0016” in some applications
- » Expertise in molding shear sensitive, specialty grade materials, such as Liquid Crystal Polymer (LCP) in thin-wall applications as thin as 0.0059”
- » Dedicated engineering and production staff able to support our customer’s “Sudden Service” business strategy—with production orders frequently fulfilled in three business days (or less)

- » In-house mold changeover staff to support intricate and highly complex mold changeovers with more than 100 unique part combinations in certain molds—in fact, due to the very creative mold design and engineering, those same molds are readily capable of producing thousands of unique part numbers

To date, we manage thousands of unique active part numbers for this customer—with an average of 25-30 mold changeovers completed daily to fulfill their custom order requests. We are extremely proud of our long-standing business relationship and look forward to many more years of continued success together.



### CUSTOMER RESPONSE

“The quality of electronic connector bodies we receive from Plastikos is among the best of our suppliers. They (Micro Mold and Plastikos) offer product and design support with their knowledge base in molding technology to the highest degree. They have well-trained people who are eager to improve products and processes to ensure our parts are the highest quality around.”

– Mark L., Supplier Quality Engineer

### STRATEGIC SUPPLIER PERFORMANCE

750,000 POUNDS OF RAW MATERIAL ARE TRANSFORMED INTO FINISHED PRODUCT, ANNUALLY

3,500+ UNIQUE ACTIVE PART NUMBERS IN PRODUCTION

99.5% YEAR-OVER-YEAR ON-TIME DELIVERY PERFORMANCE

MORE THAN ONE BILLION PLASTIC COMPONENTS HAVE BEEN SHIPPED SINCE THE START OF OUR BUSINESS RELATIONSHIP

LARGEST SUPPLIER GLOBALLY, ACROSS ALL OF OUR CUSTOMER’S EXTERNAL SUPPLIERS

# LET'S MAKE THE IMPOSSIBLE TOGETHER.

Micro Mold and Plastikos are two award-winning plastics companies with one shared mission—solving your most difficult moldmaking and injection molding challenges. Turn to us today for proven engineering and materials expertise, precision tooling, tight-tolerance molding and a fierce commitment to your success. No matter the challenge, we **Make the Impossible**.

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TO LEARN EVEN MORE OR TO COMPLETE AN ONLINE RFQ,  
SIMPLY VISIT [PLASTIKOSERIE.COM](http://PLASTIKOSERIE.COM) TODAY.

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TOGETHER, WE MAKE  
THE IMPOSSIBLE



**MICRO MOLD, Co., Inc.**

4820 PITTSBURGH AVENUE  
ERIE, PA 16509  
(814) 838-3404  
MICROMOLDERIE.COM



**PLASTIKOS, INC.**  
*Custom Injection Molding*

8165 HAWTHORNE DRIVE  
ERIE, PA 16509  
(814) 868-1656  
PLASTIKOSERIE.COM

