

# UnifiM™ INDUSTRIAL

UnifiM® Fastener Technology instantly secures & stabilizes the bond between two components by creating a structural & functional mechanical connection



## The Applications Are Endless

We specialize in developing high-quality, high-performance, customizable solutions for the Aerospace & Defense, Transportation, Construction, Oil & Gas, Automotive, Agriculture, and Sporting Goods market segments. Our Innovation Centers are continuing to prepare UnifiM patented technology for multi-platform, global use.



UnifiMI™  
INDUSTRIAL

## Specialty Fastener Solutions

*When Failure is Not an Option*

Advanced Precision Drilling Systems | Substrate Preserving Taps  
Locking Threaded & Bolted Solutions

### Innovators of Specialty Fastening Solutions

UnifiMI® represents a thought-provoking unconventional approach to solving the world's most critical fastening challenges. We are redefining the performance capabilities of fastener technologies by developing innovative next-gen solutions and fueling collaborative partnerships with industry leaders.

UnifiMI is dedicated to understanding the needs and expectations of our customers and markets. By using the most modern techniques and technology, we continue to improve our high standards of quality, service and delivery. We actively partner with customers, suppliers, and employees to provide added value and achieve optimal outcomes.

No matter the complexity, we have the knowledge, passion and experience to provide customized solutions.



# Experience The Difference

# Technology Evolution

A Legacy of Innovation  
& Adaptation

## UnifiMI® Technology Platform & Performance Capabilities

UnifiMI Fastener & Material Preservation Technology instantly creates a structural and functional mechanical connection between fasteners and substrates. Our Innovation Centers are continuing to prepare and optimize UnifiMI patented platform technology for broad industrial applications.

### Drills

Improved cylindricity, lower temperature, smaller punchout

### Specialty Threaded Taps

Substrate preservation, thread optimization for optimal retention and fixation

### Threaded Solutions

Substrate preservation, thread optimization, stress management that allow for optimal mechanical, structural and functional connections

### Bolted Solutions

Permanent locking, energy dissipation, vibration resistant, temperature stability

## Precision & Performance Engineering

Inspired by novel high-performance industrial fastener technology, UnifiMI was adapted, customized and optimized to meet the highest quality standards of the medical device industry. UnifiMI develops reliable products and engineers solutions for critical programs. Our tailored approach and product lifecycle support mitigates risk and ensures program success.

Based on the principles of substrate preservation, lasting mechanical integration and load-sharing stress distribution, combined with comprehensive experience and commitment to success, UnifiMI is now being optimized and tailored for widescale industrial use.

## Addressing Key Market Challenges



### Environmental Conditions

Industrial fasteners are subject to harsh environmental conditions including exposure to moisture, chemicals, dynamic loads and in some cases extreme temperature fluctuations.



### Material Preservation

Damage to a material substrate may occur during the manufacturing assembly or installation process leading to time-consuming repair times, potential project delays and compromise construct performance.



### Vibrational Loosening

Loose bolts can quickly escalate from a minor issue to a major problem resulting in serious and even catastrophic outcomes. A failure of fasteners may cause costly equipment damage or hurt someone, causing serious injury or death.



### Stress Management

Fasteners bear the brunt of dynamic forces in various applications. Over time, cyclic loading can cause microscopic cracks to form in the fastener, eventually leading to failure. Strength and reliability are paramount, the phenomenon of fastener fatigue poses a unique challenge. Fastener fatigue occurs when repeated loading and unloading cycles lead to stress-related failures.

## Experience Matters

### Innovation

Anticipate, pioneer and develop creative approaches to solutions

### Curiosity

Willingness to operate outside our comfort zone, risk failure to achieve success through new methods and design concepts

### Solution Oriented

Make it happen attitude to achieve and surpass expectations

### Partnership

Working together cooperatively to achieve common goals

### Integrity

Our actions reflect our commitments and our words

### Accountability

Ownership of one's actions and achievement of agreed upon goals and expectations

**UnifiMI**<sup>™</sup>  
INDUSTRIAL

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