



**UnifiM.I.**<sup>TM</sup>

AGRICULTURE, LLC

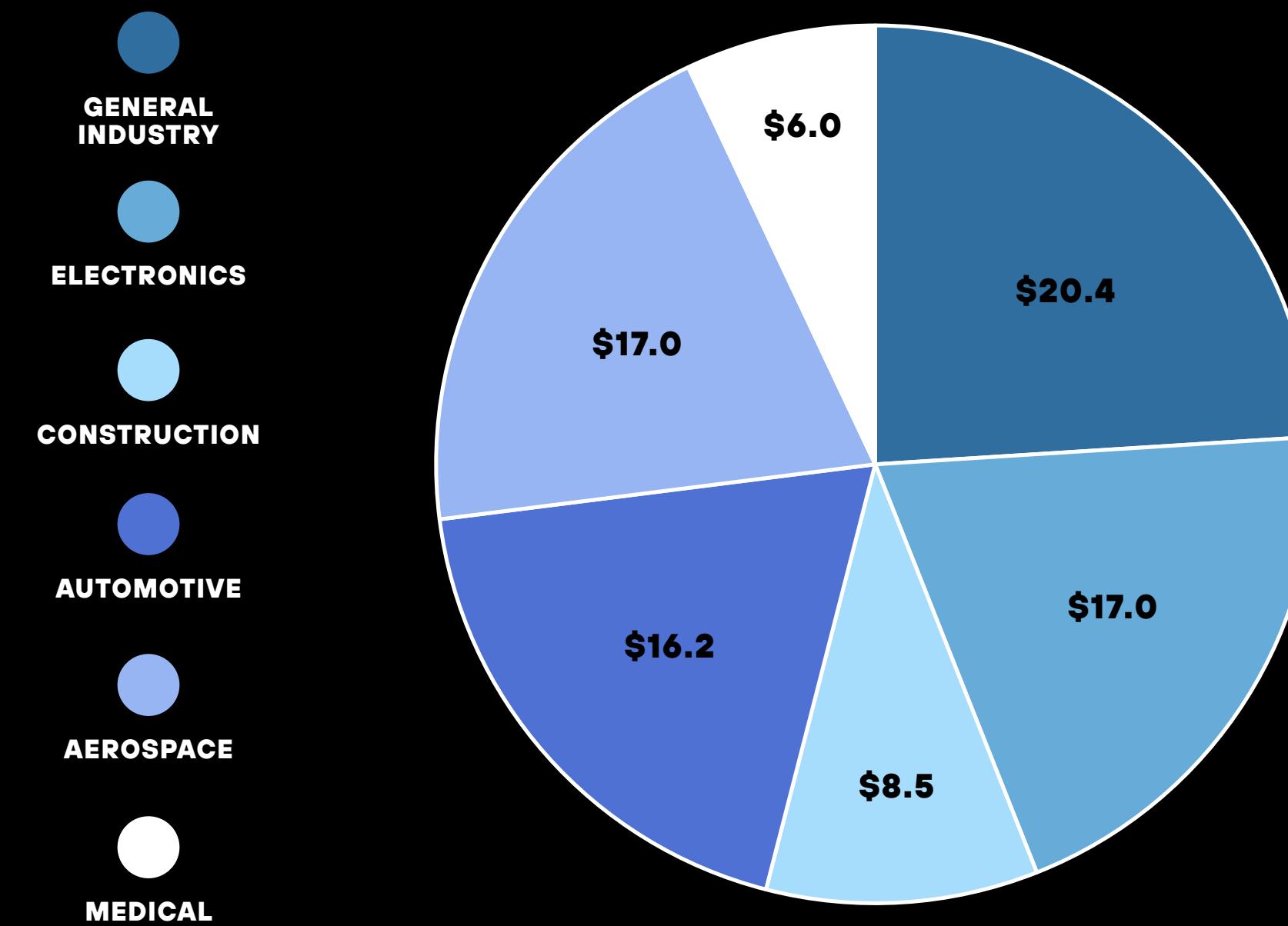
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A FASTENER TECHNOLOGY COMPANY

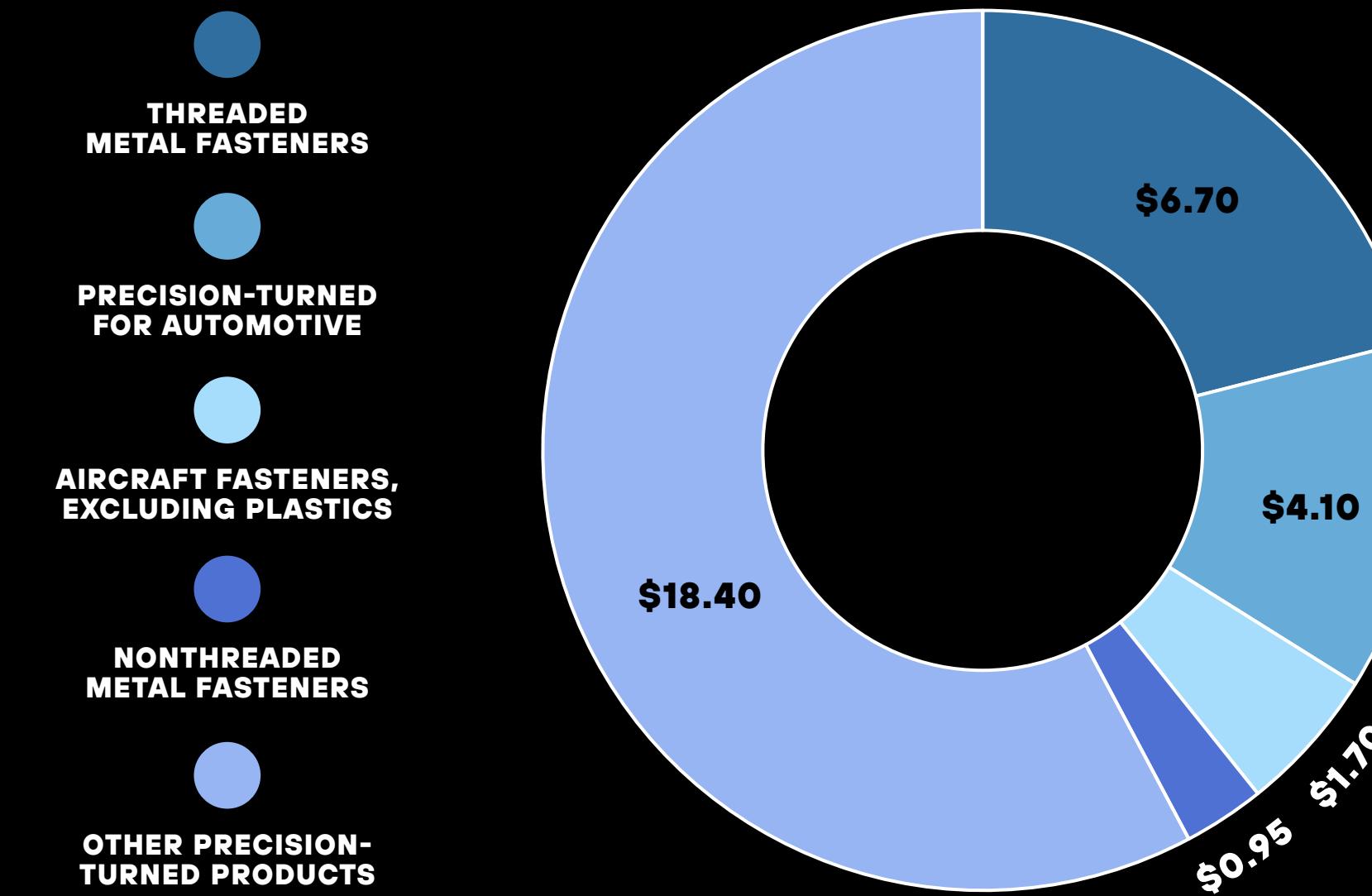


# INDUSTRY BREAKDOWN FOR FASTENERS

GLOBAL FASTENER SEGMENTS - \$85B



2024 REVENUE (\$B)



IBISWorld | Screw, Nut & Bolt Manufacturing in the US | May 2024

StanleyBlack&Decker| Investor Presentation| August 2024



# EXPERIENCE MATTERS

UNIFIM.I. FASTENER TECHNOLOGY  
TRANSFORMED THE MEDICAL  
DEVICE INDUSTRY.

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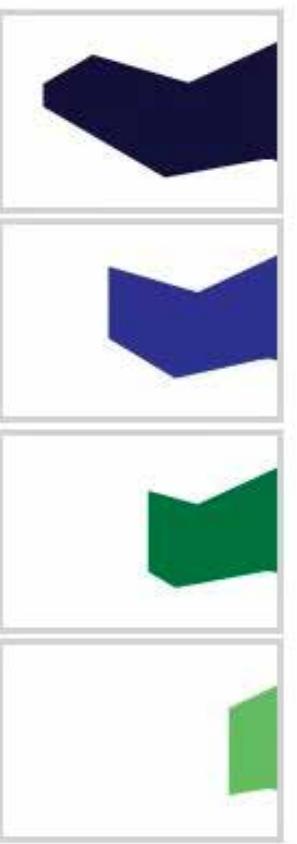
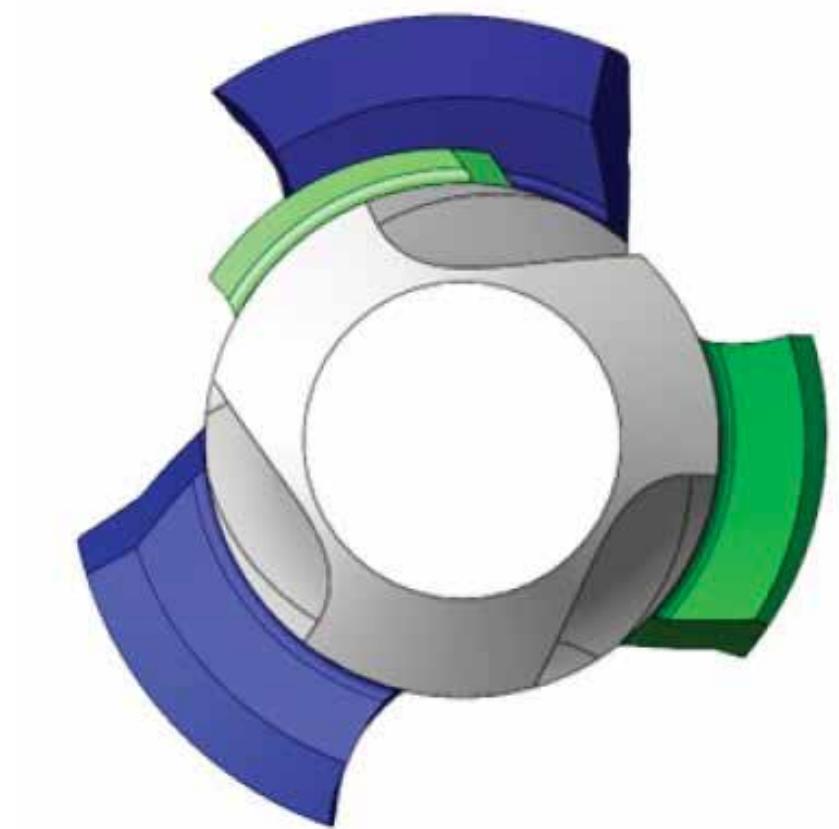
UTILIZED DAILY BY EXPERT SURGEONS  
100 UNIVERSITY HOSPITALS TO  
MAINTAIN IMPLANT STABILITY.



# UNIFIM.I. PERFORMANCE CAPABILITIES

- PRESERVE THE SUBSTRATE
- INSTANTLY INTERLOCK TO THE PRESERVED SUBSTRATE
- MAINTAIN STABILITY OVER TIME

# SUBSTRATE PRESERVING TAP



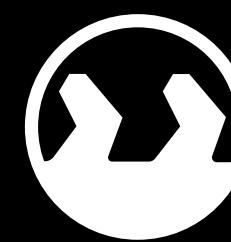
# EXPERIENCE THE DIFFERENCE

CONVENTIONAL 'BUTTRESS' THREADS VS. UNIFIM.I. THREADS

## INSERTION TEST



CONVENTIONAL 'BUTTRESS'  
THREAD FORM



UNIFI.M.I.  
THREAD FORM



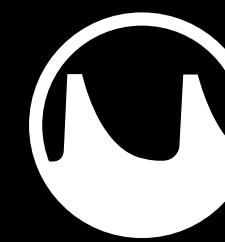
### Conventional

- Crushes and plows during insertion
- Creates a damaged and unstable interface

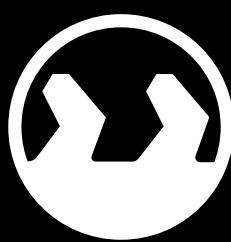
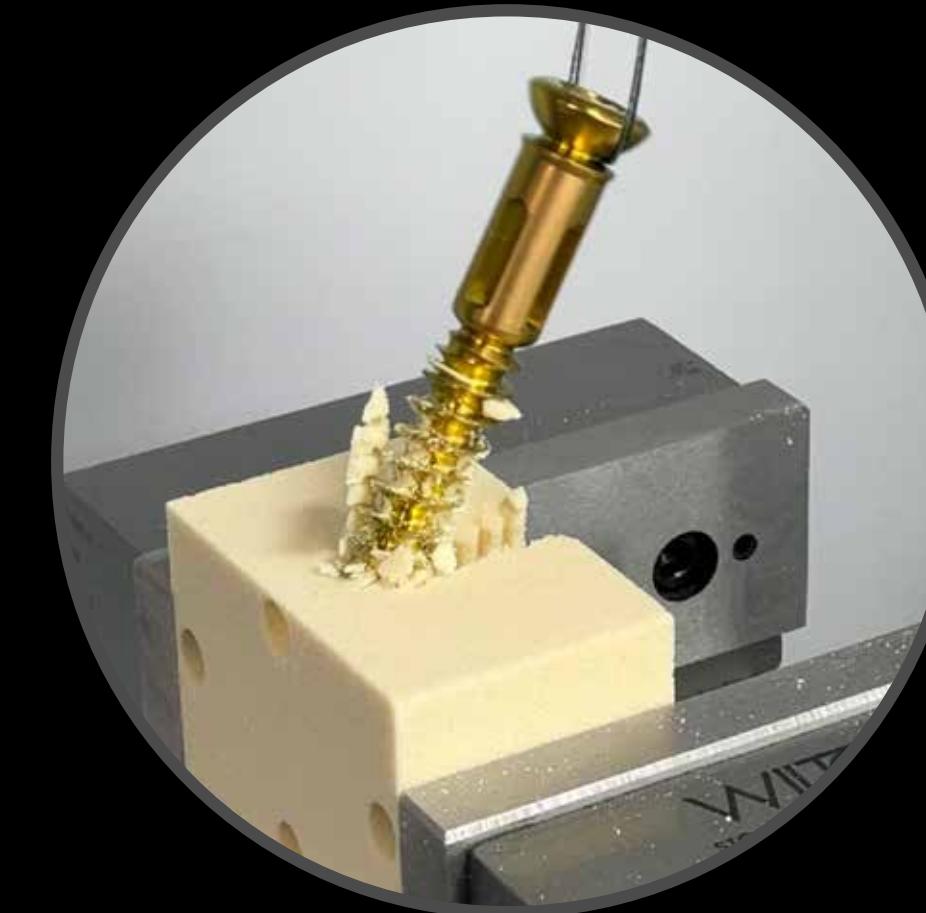
### UnifiM.I.

- Cleanly prepares and preserves during insertion
- Creates a stable and mechanically integrated interface

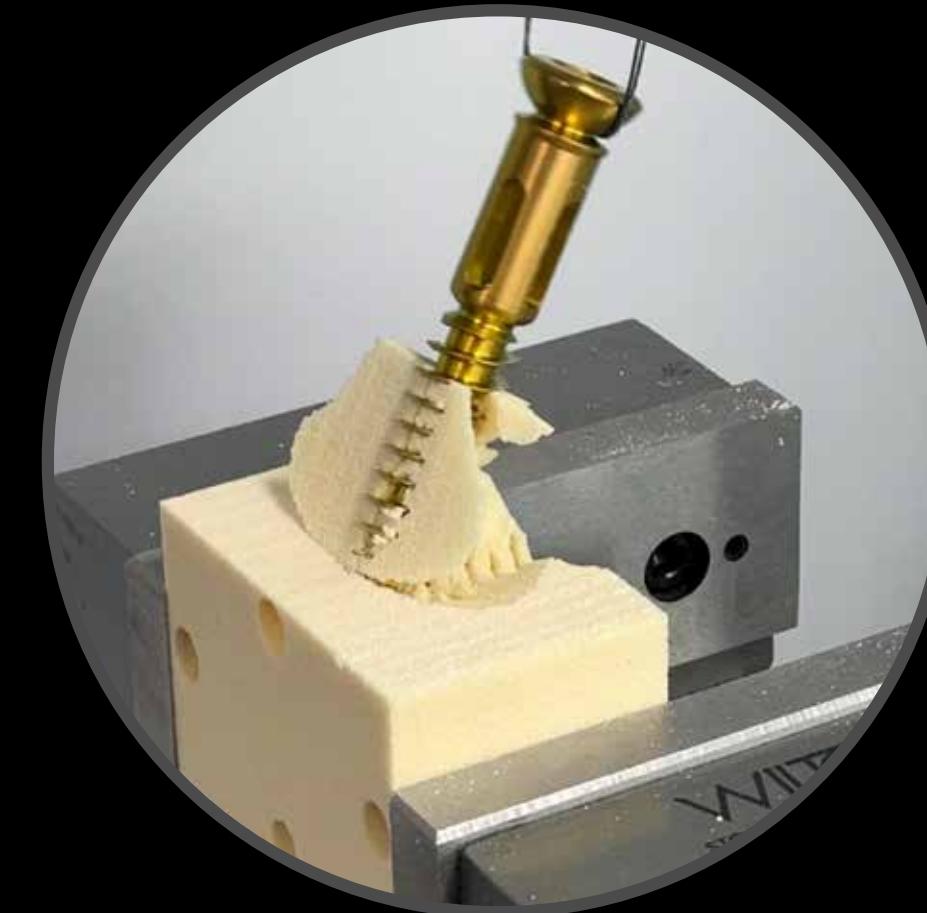
## PULL TEST



CONVENTIONAL 'BUTTRESS'  
THREAD FORM



UNIFI.M.I.  
THREAD FORM



### Conventional

- Non-integrated
- Interface crushed and fractured
- Limited load resistance on tension side

### UnifiM.I.

- Integrated circumferentially
- Interface preserved and maintained
- Full load resistance on tension side via MI

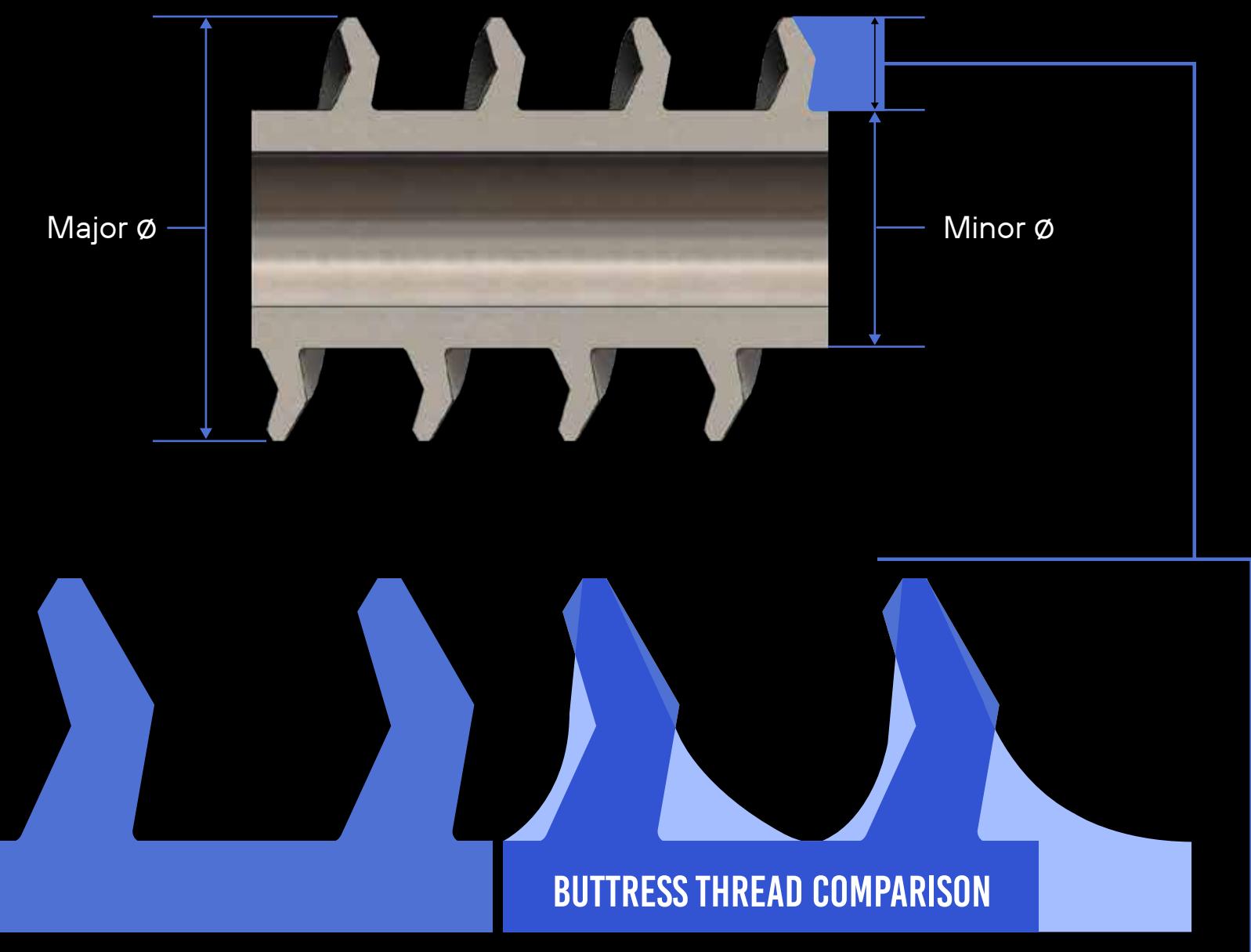


# ADAPTABLE CHARACTERISTICS

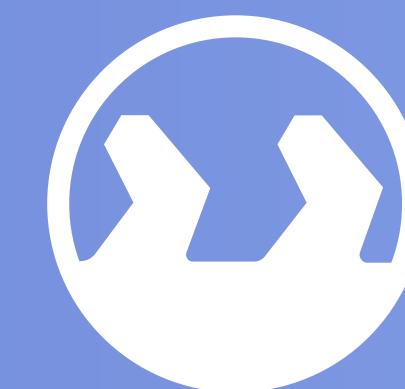
BY SUBSTRATE APPLICATION

Ability to control interface depending upon:

- Material Demands
- Application Needs



# PERFORMANCE DRIVEN DESIGN



UNIFIM.I. THREAD FORM



CONVENTIONAL 'BUTTRESS' THREAD FORM

# DRILL OPTIMIZATION

TIP ANGLE

SPLIT POINT

PRIMARY & SECONDARY RELIEF

CORNER CHAMFER

FLUTE HELICAL ANGLE

FLUTE EDGE BREAK

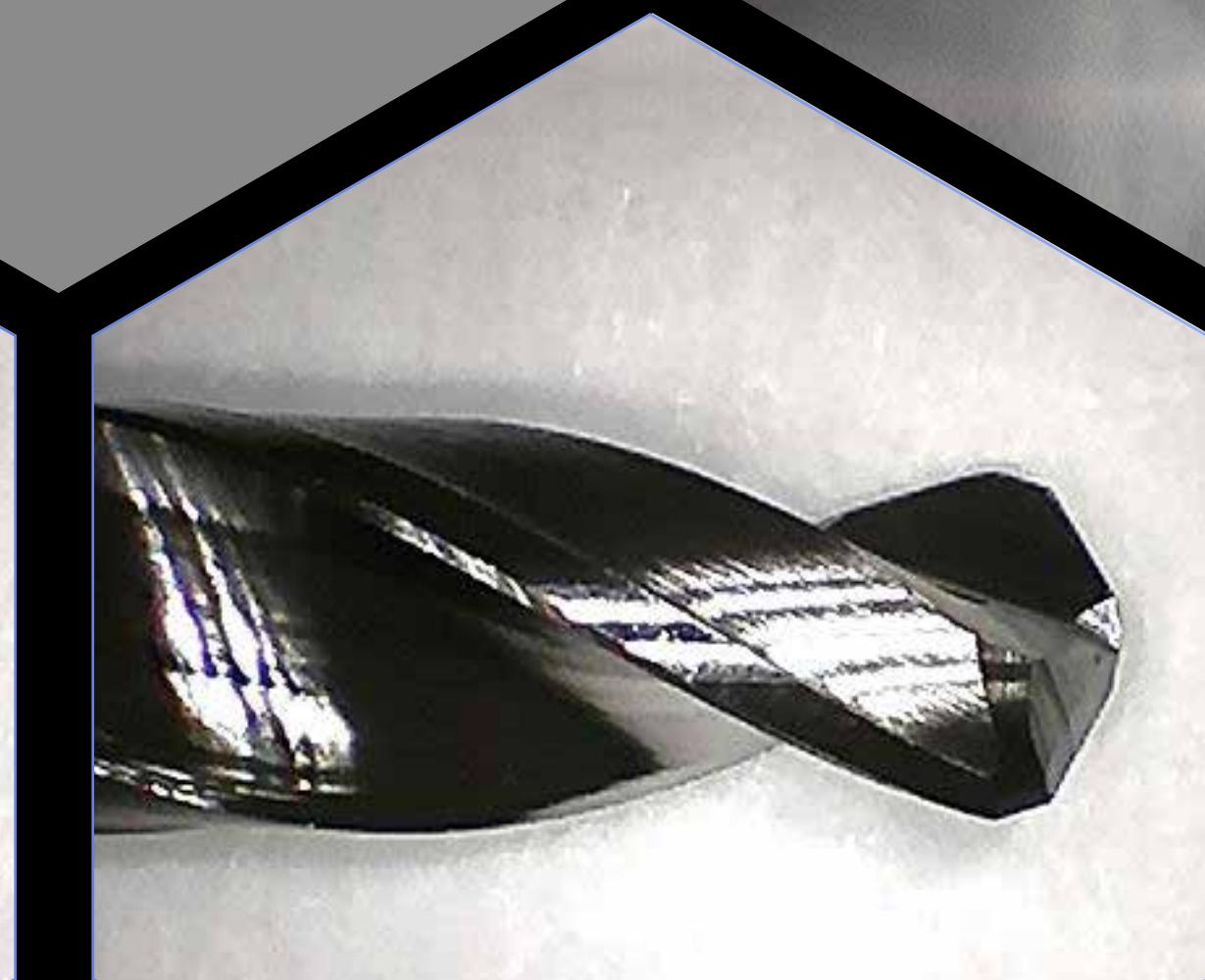
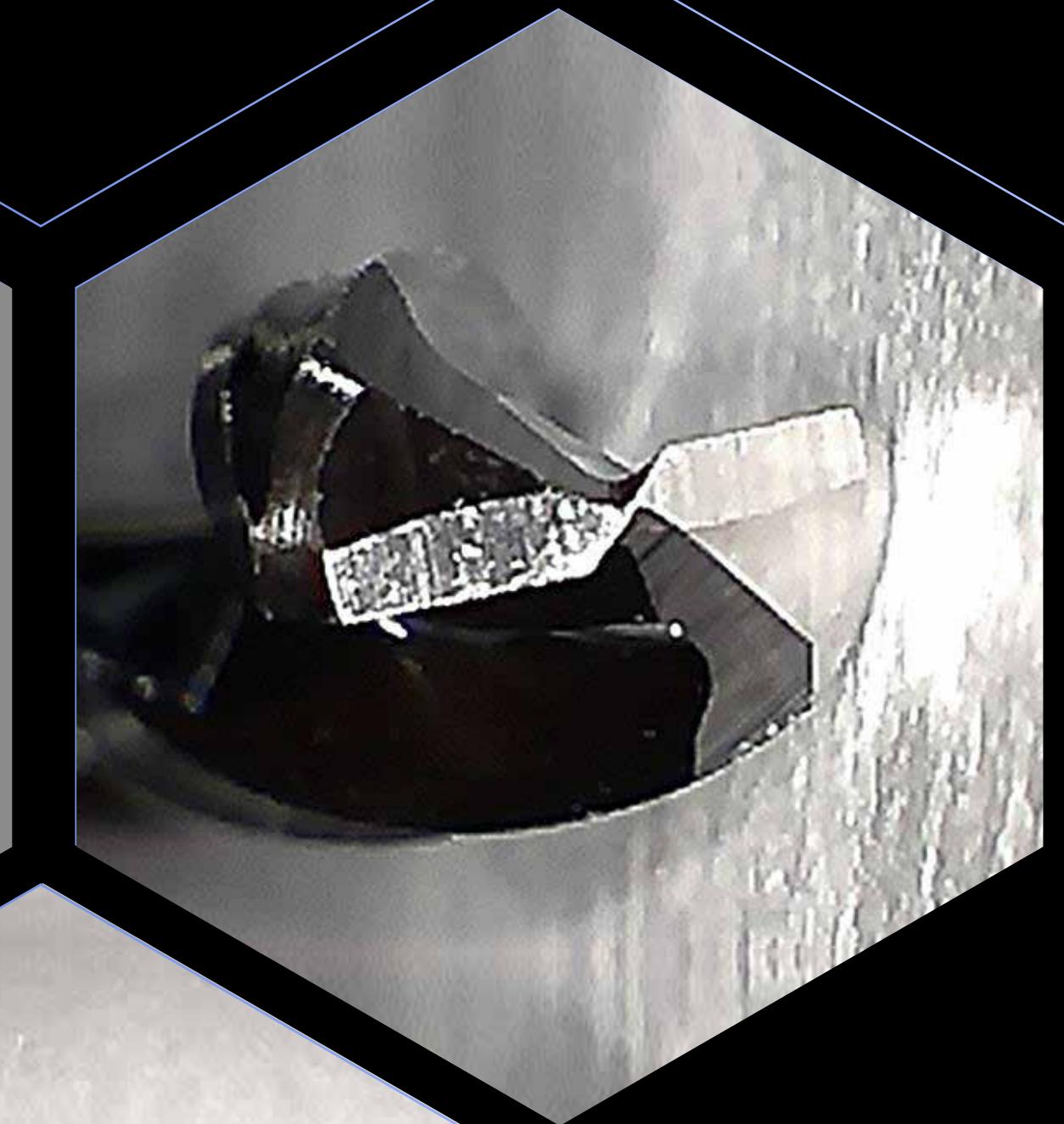
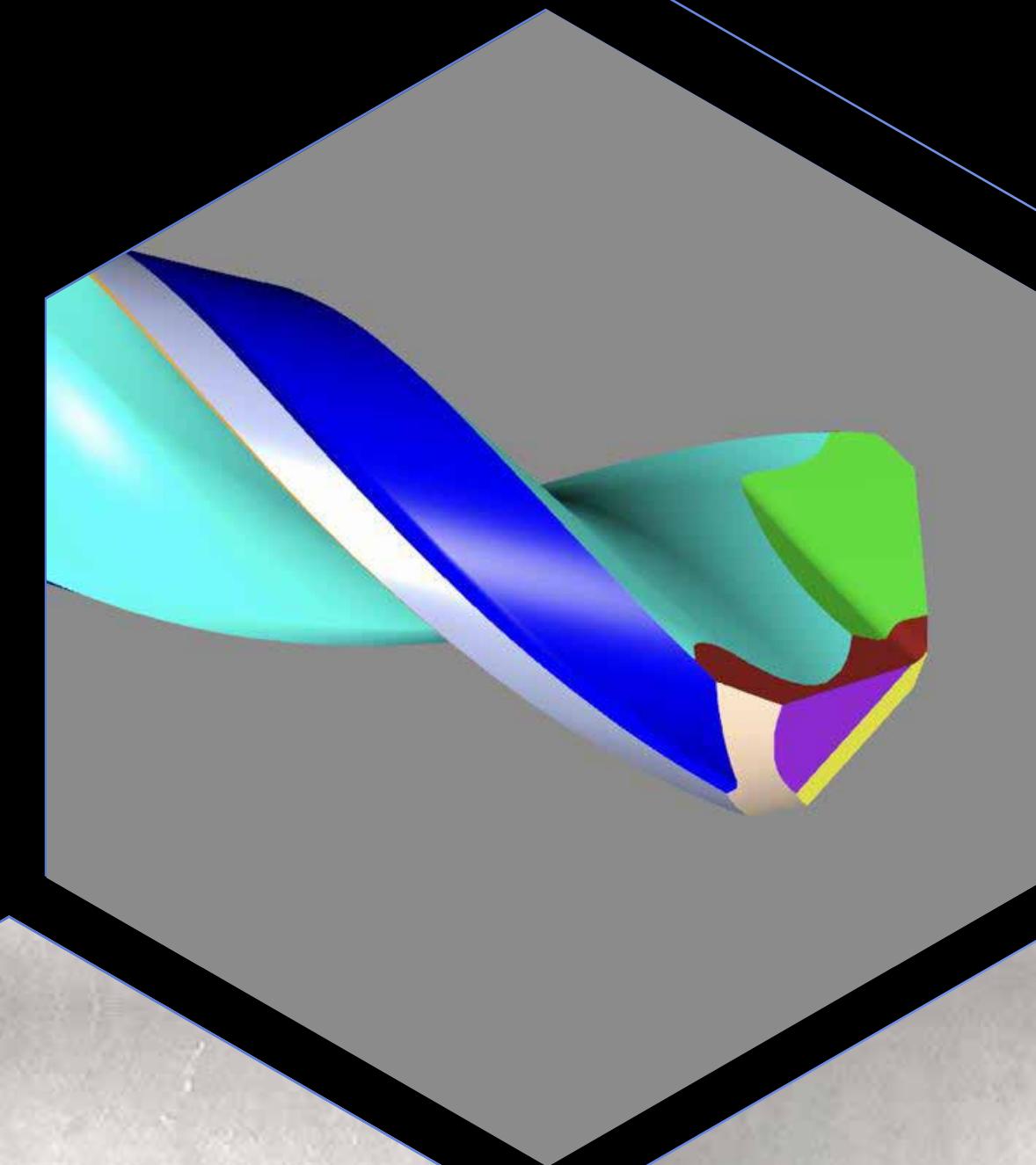
FLUTE MARGIN

## RESULTING IN

MORE ACCURATE HOLE SIZE

FASTER DRILLING SPEED

LOWER HEAT GENERATION



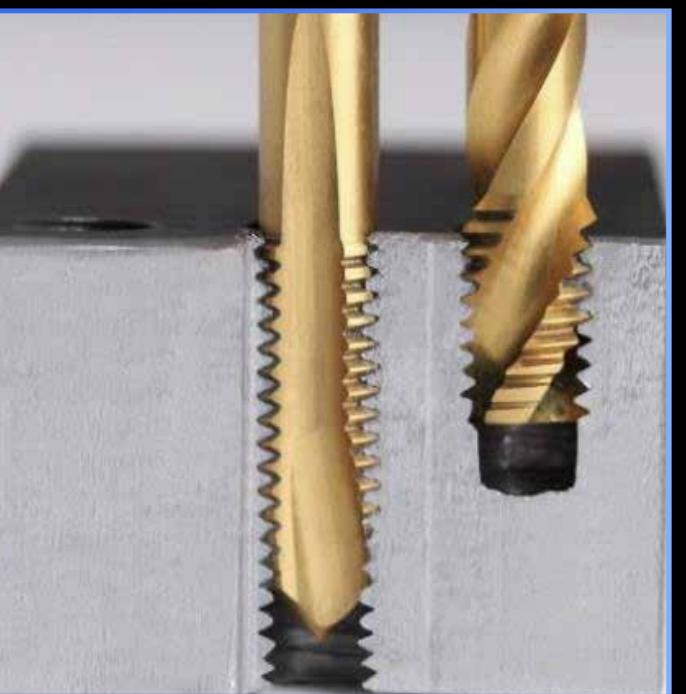
# LEVERAGING KNOWLEDGE

APPLICATION OF INTELLECTUAL PROPERTY

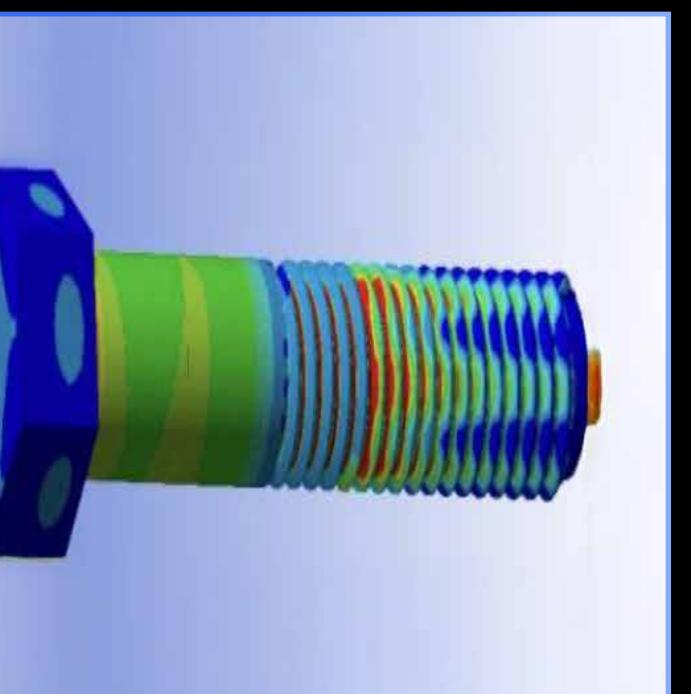
DRILLING



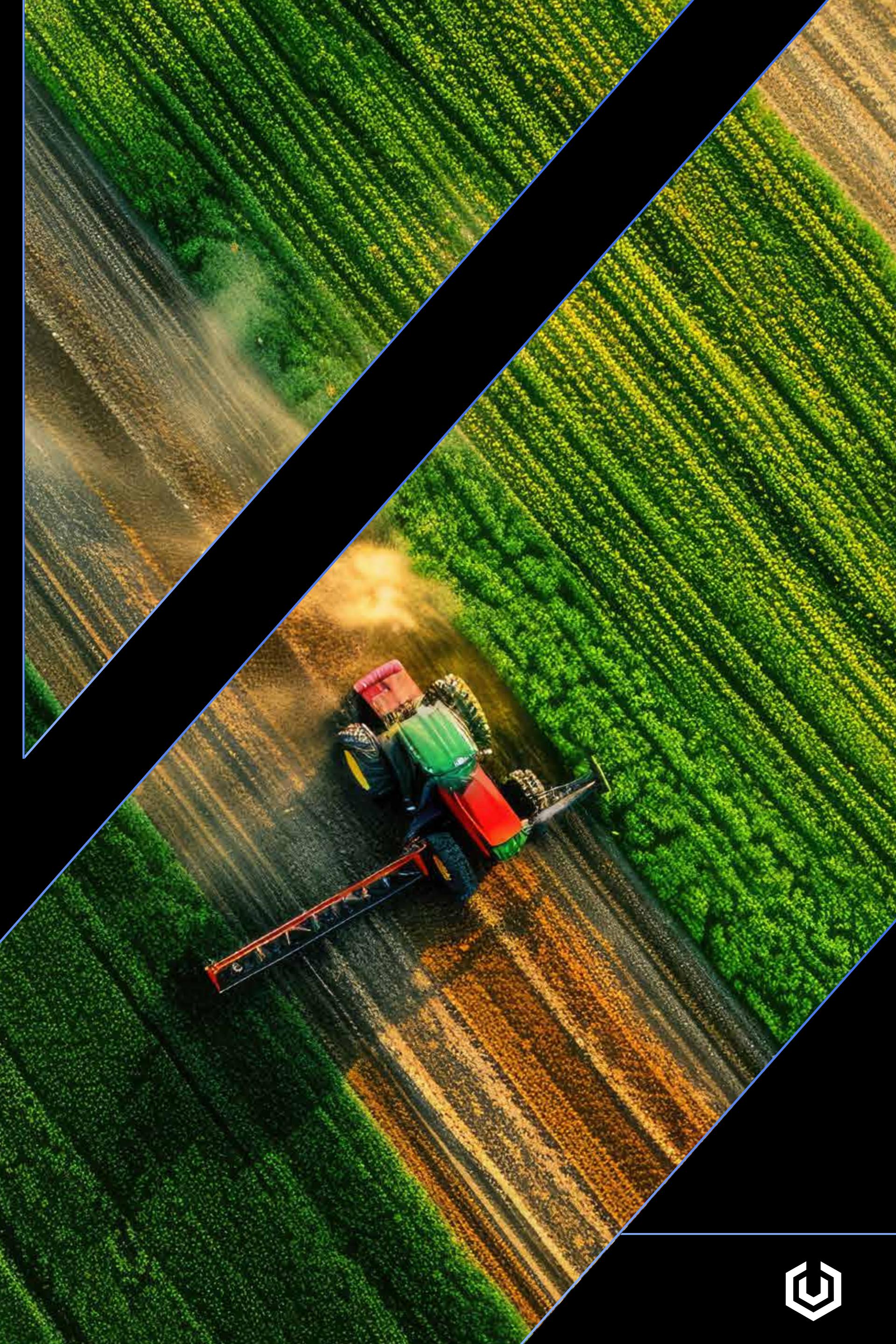
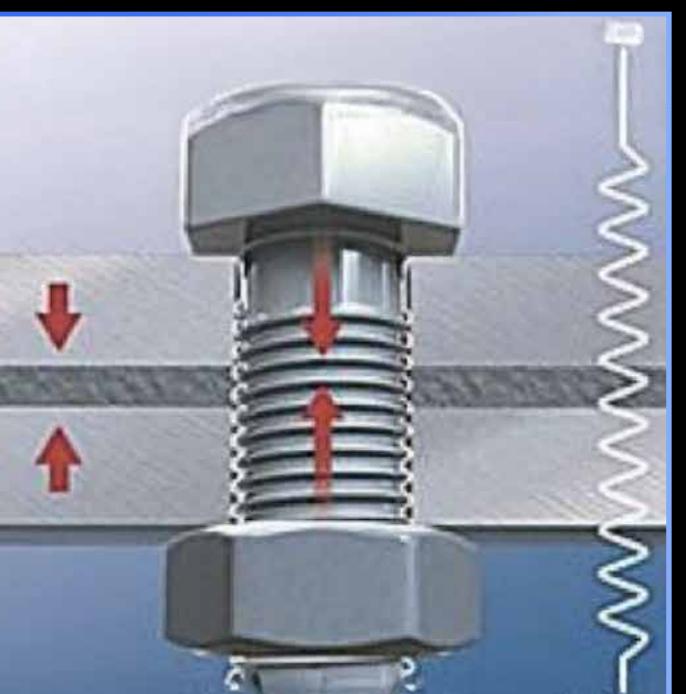
TAPPING



STRESS MANAGEMENT



STABILITY



# AGRICULTURE APPLICATIONS

ADDRESSING KEY MARKET CHALLENGES



# UnifiM.I. FASTENER PLATFORM

ENGINEERED TO DISSIPATE VIBRATIONAL  
ENERGY & PROVIDE A LONG-TERM STABLE  
CONNECTION

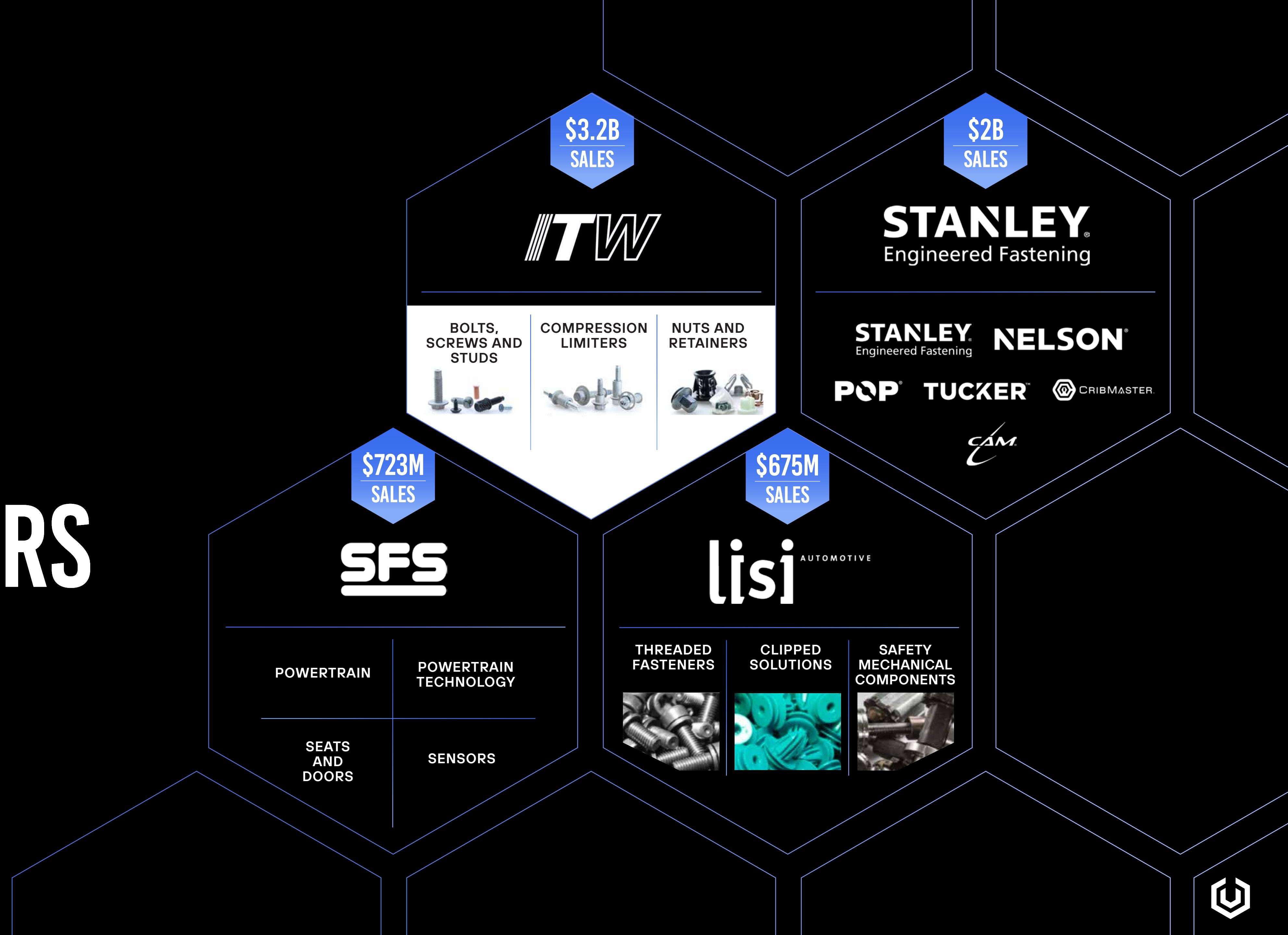
OPTIMAL MECHANICAL, STRUCTURAL &  
FUNCTIONAL CONNECTION

REDUCE ASSEMBLY TIME, COST & WEIGHT

UTILIZE TRADITIONAL MANUFACTURING  
TECHNIQUES



# TARGET PARTNERS





# UnifiM.I. AGRICULTURE ACTION PLAN

1. **Demonstrate** technology capabilities
  - a. Tool development of dies, taps and drills
  - b. Drilling and tapping of aluminum, composite, and steel substrates
  - c. Fastener axial and off-axis load testing

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2. Top down **education** with bottom up preparation

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3. Execute **licensing** models

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4. Bring “**killer app**” to market with partner

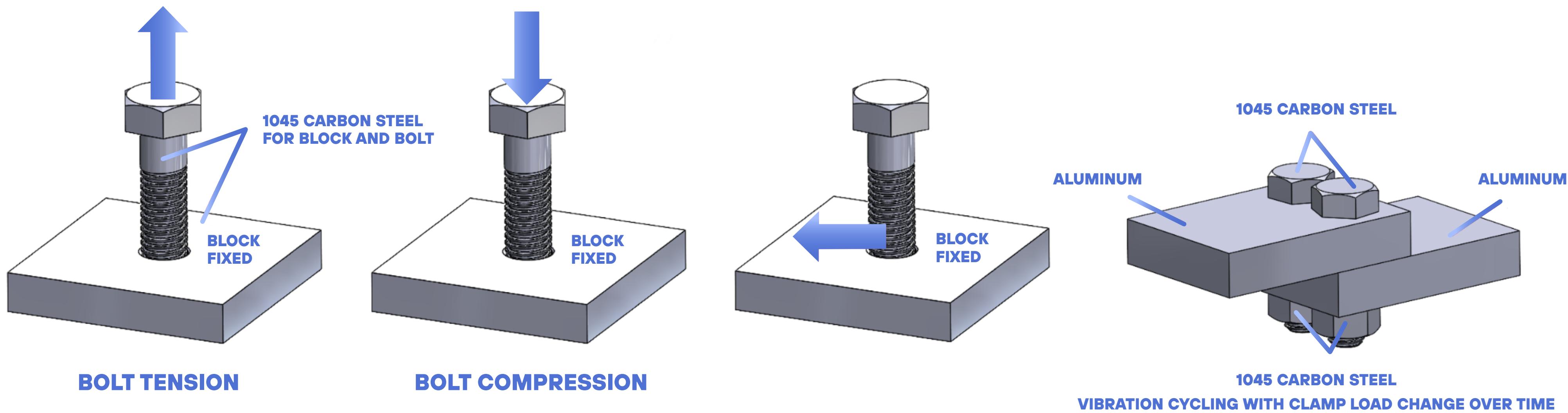
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5. **Influence** design and specifications for next gen projects



# UnifiM.I. AGRICULTURE VALIDATION POINTS

## STRUCTURAL & DYNAMIC MECHANICAL TESTING



# RESHAPING THE FUTURE

