



UnifiM.I.TM

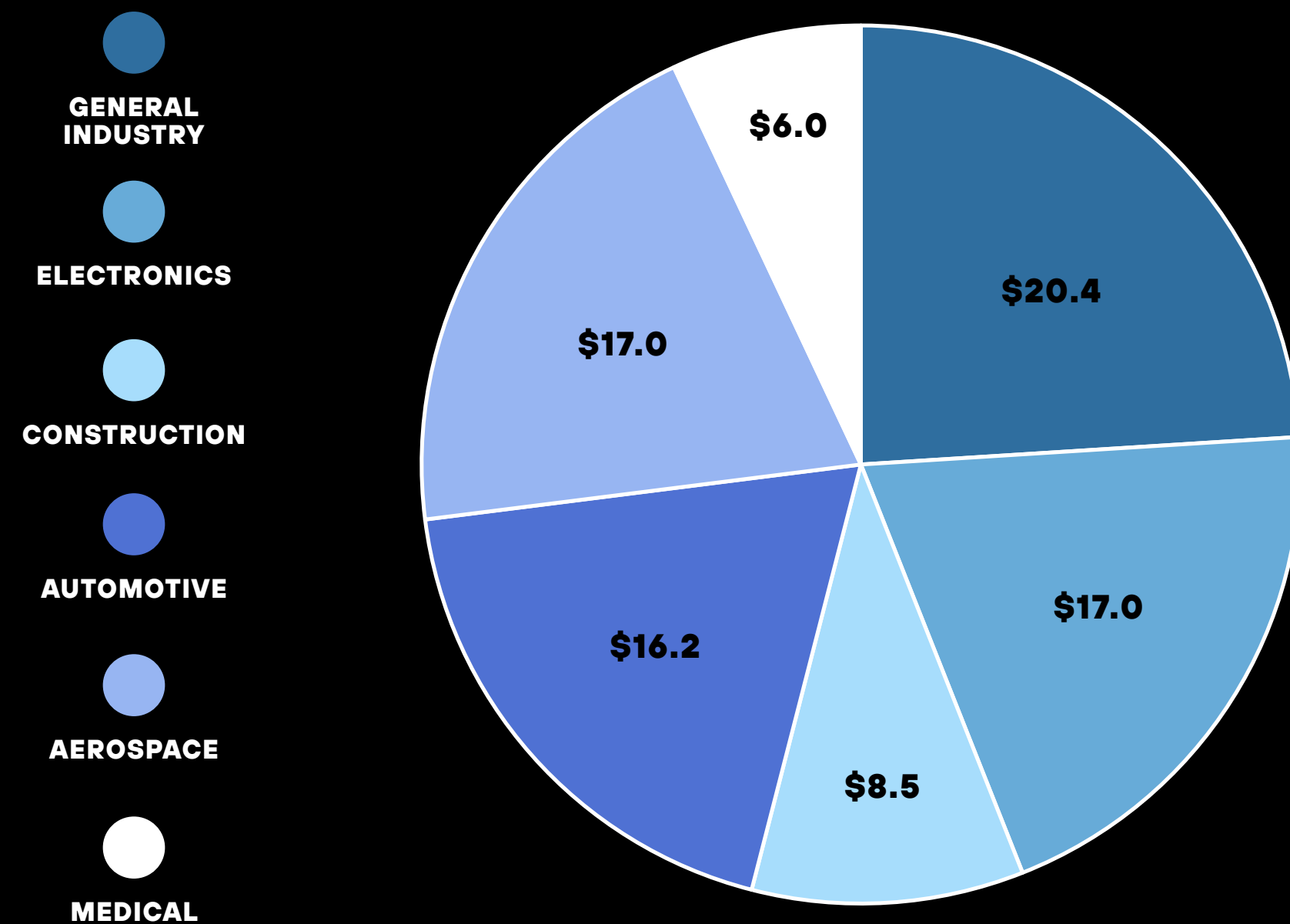
AGRICULTURE, LLC

A FASTENER TECHNOLOGY COMPANY

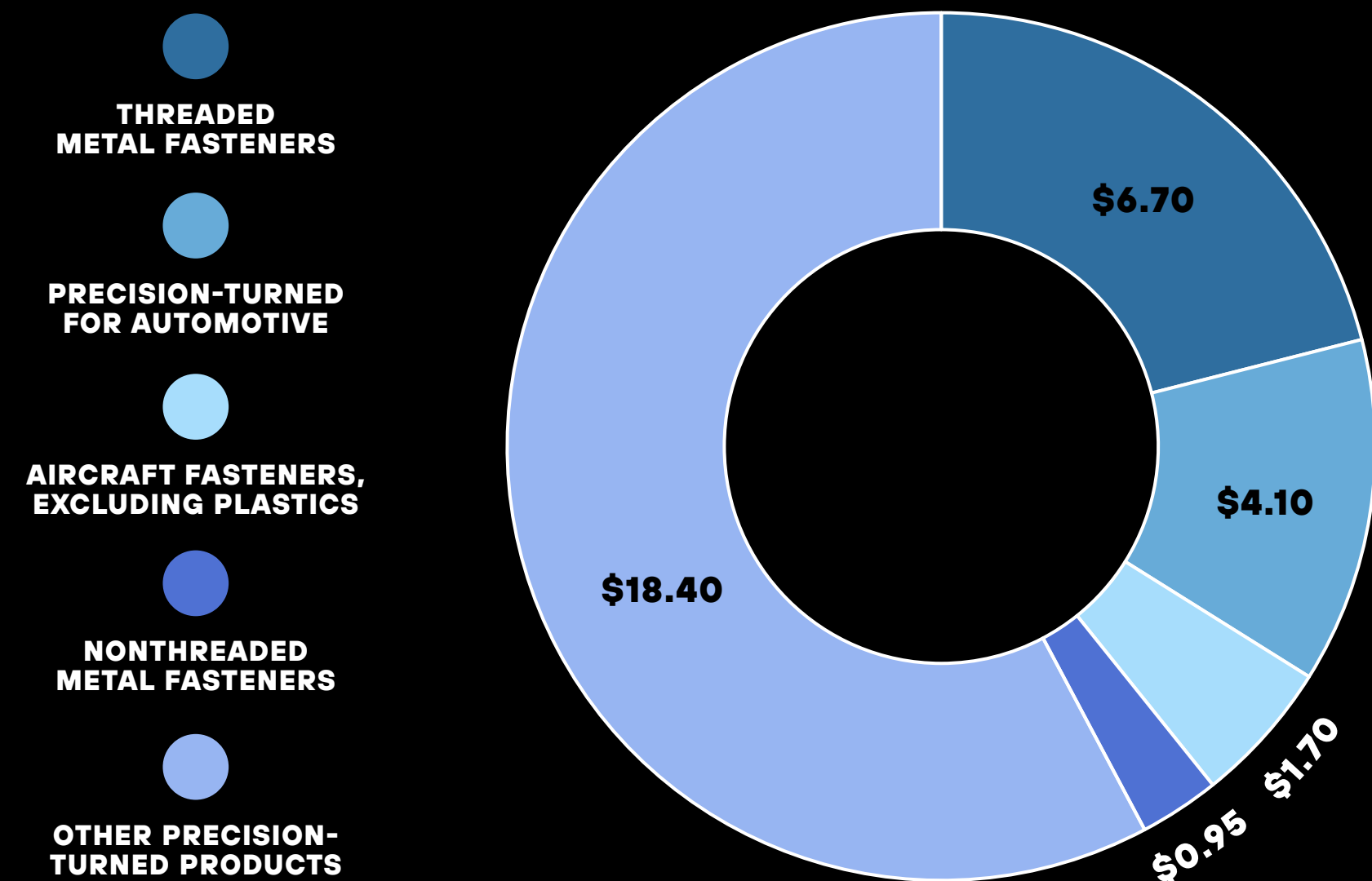


INDUSTRY BREAKDOWN FOR FASTENERS

GLOBAL FASTENER SEGMENTS - \$85B

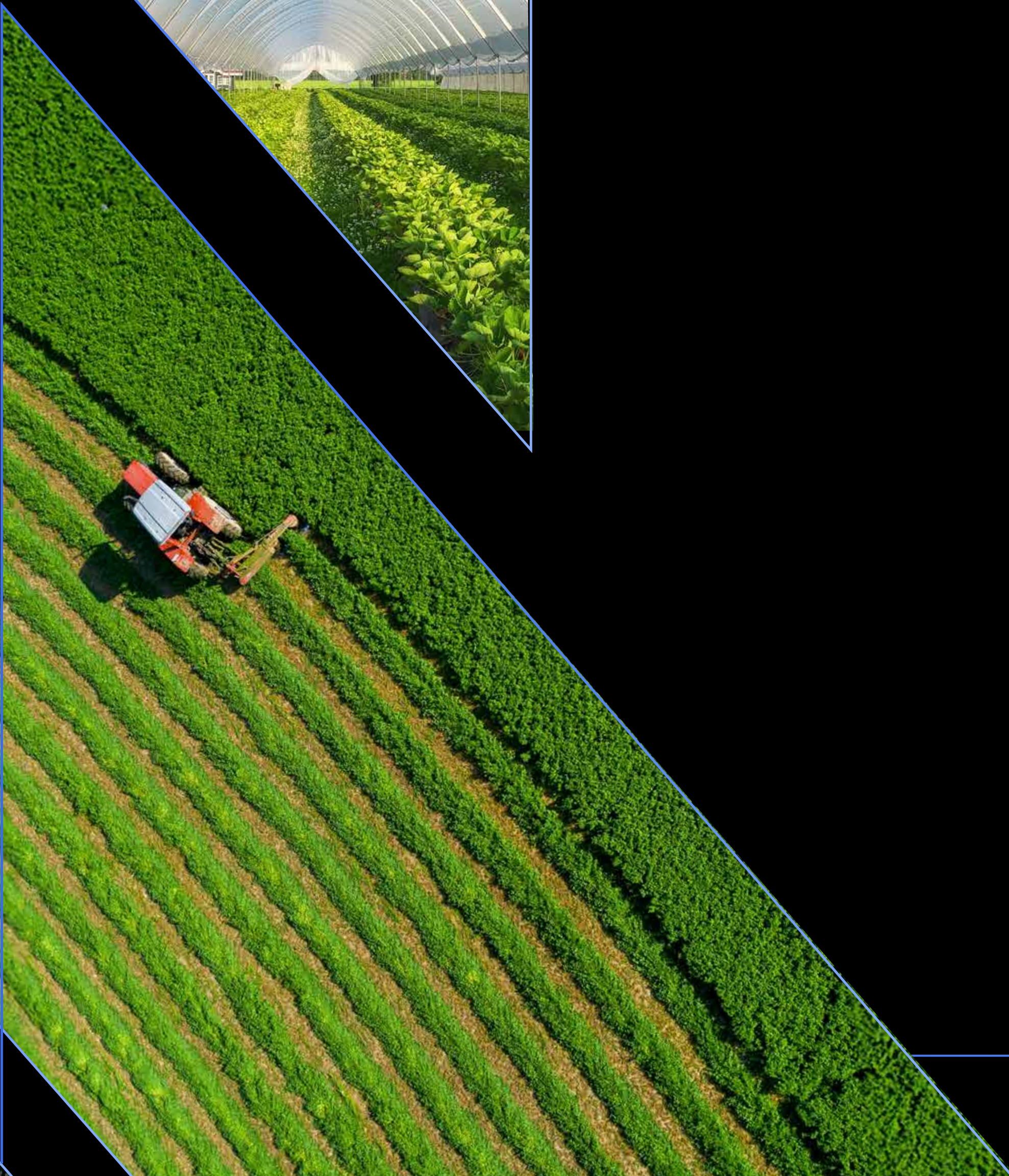
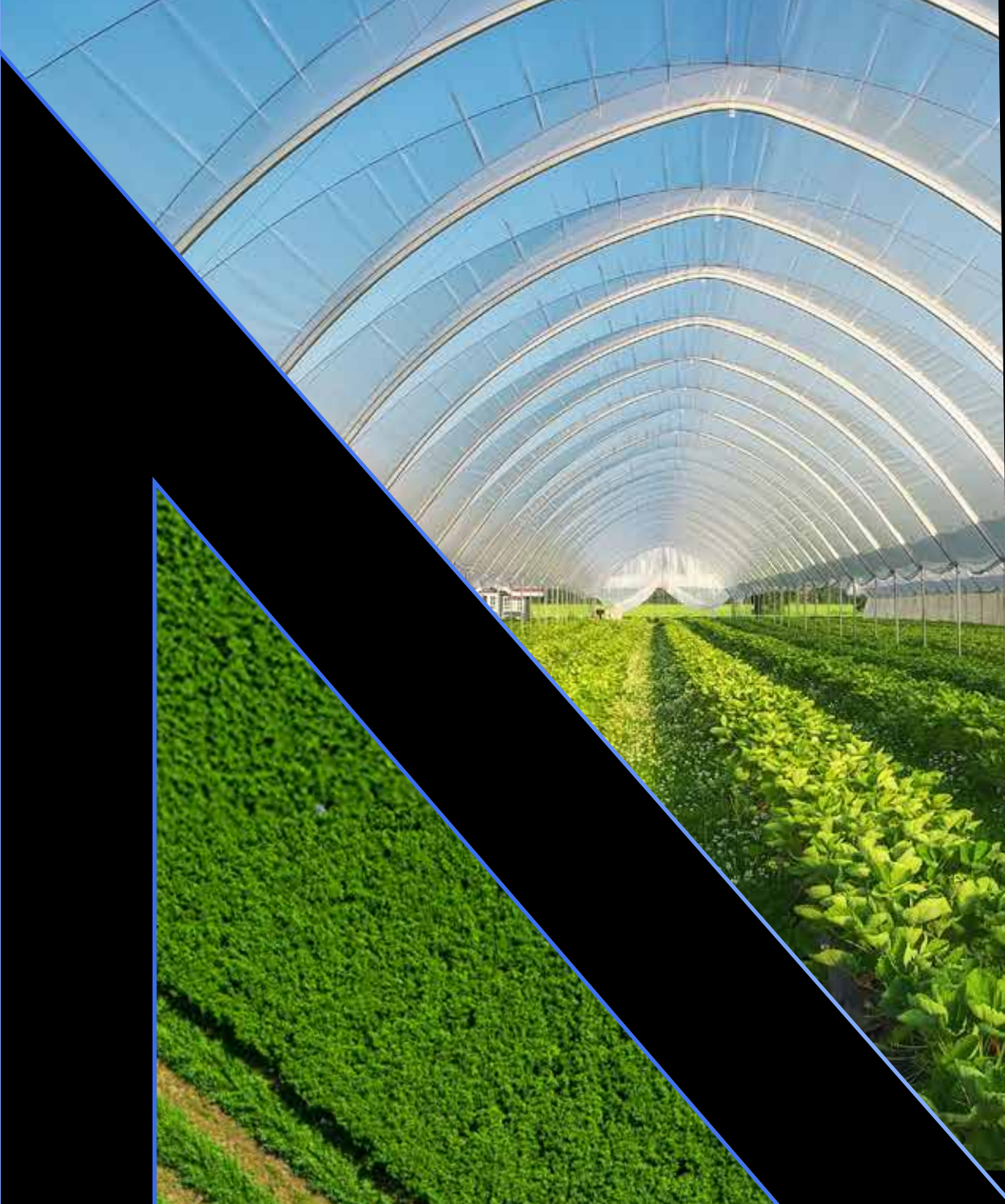


2024 REVENUE (\$B)



IBISWorld | Screw, Nut & Bolt Manufacturing in the US | May 2024
StanleyBlack&Decker| Investor Presentation| August 2024





EXPERIENCE MATTERS

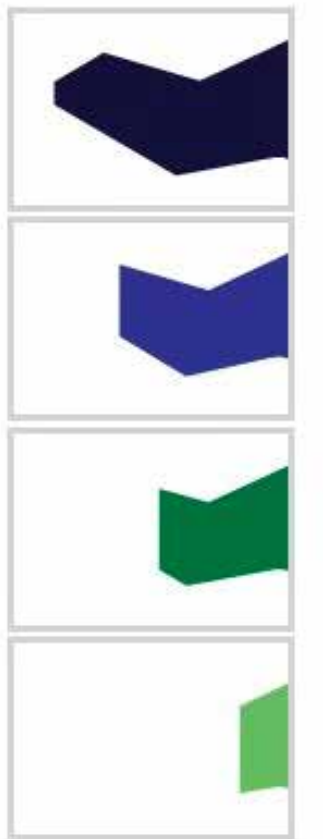
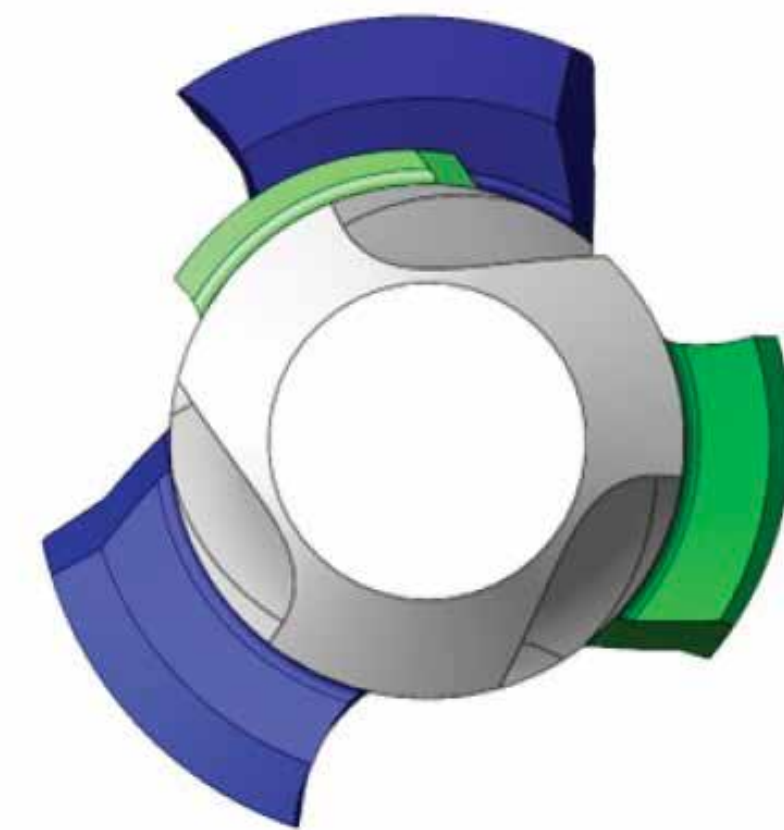
UNIFIM.I. FASTENER TECHNOLOGY
TRANSFORMED THE MEDICAL
DEVICE INDUSTRY.

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

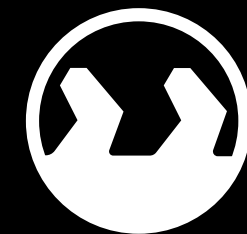


CONVENTIONAL 'BUTTRESS'
THREAD FORM



Conventional

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



UNIFIM.I.
THREAD FORM



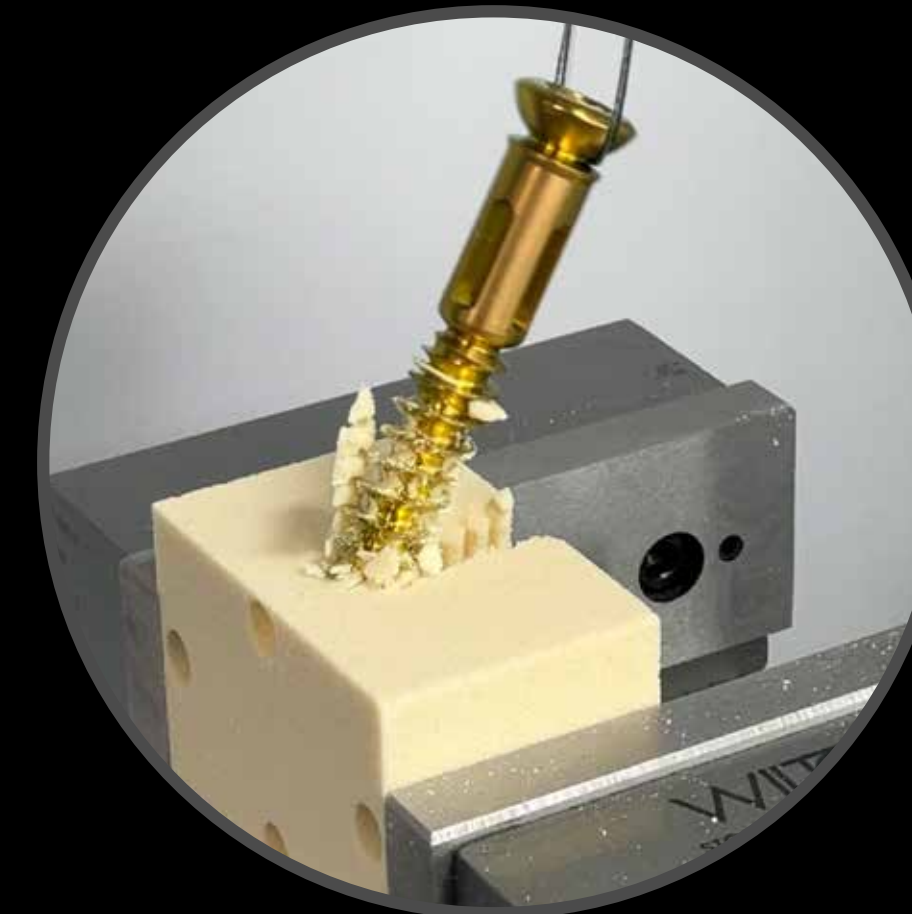
UnifiM.I.

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

PULL TEST

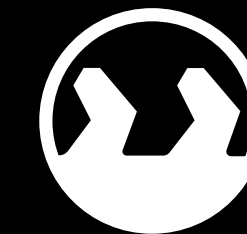


CONVENTIONAL 'BUTTRESS'
THREAD FORM

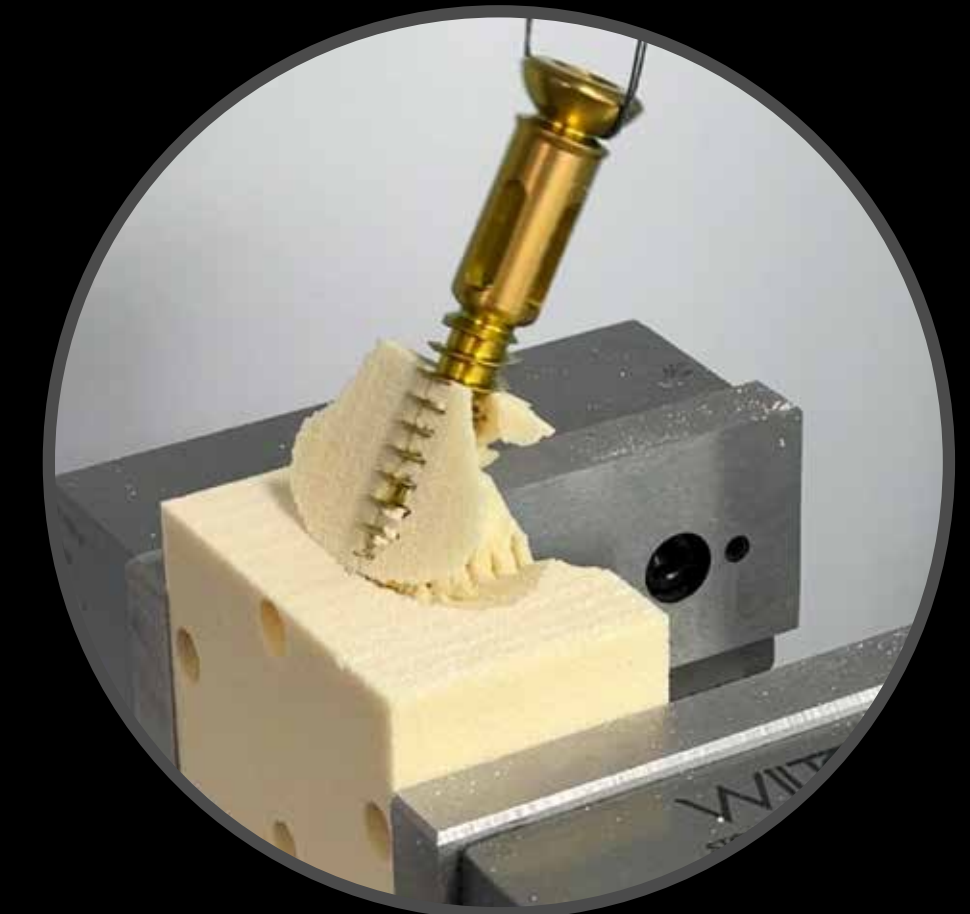


Conventional

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



UNIFIM.I.
THREAD FORM



UnifiM.I.

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

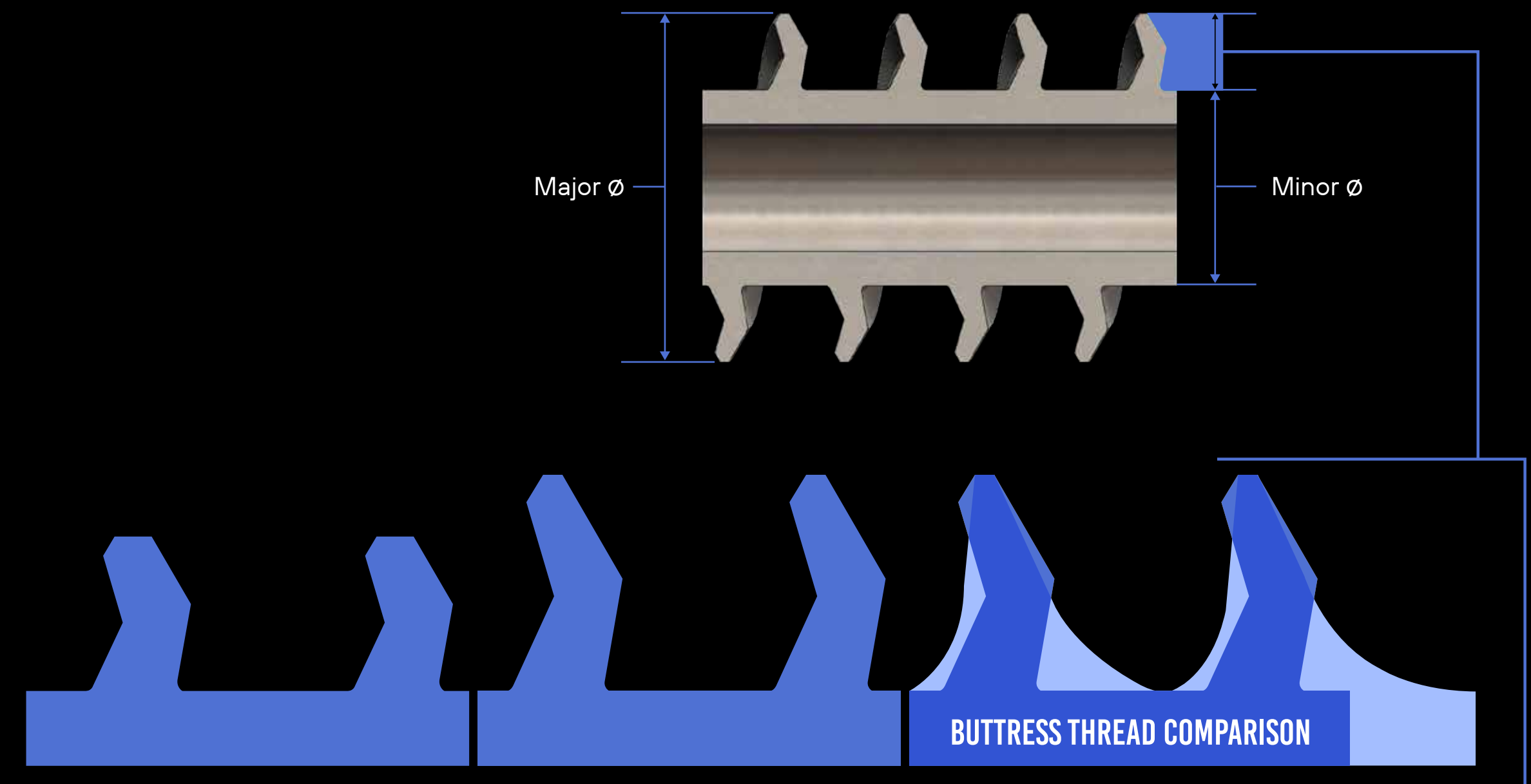


ADAPTABLE CHARACTERISTICS

BY SUBSTRATE APPLICATION

Ability to control interface depending upon:

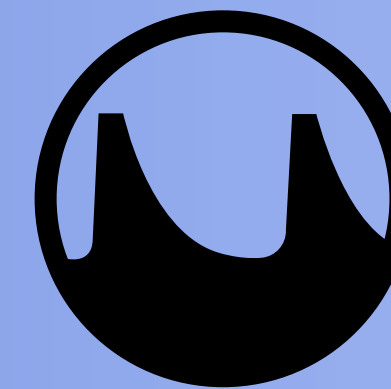
- Material Demands
- Application Needs



PERFORMANCE DRIVEN DESIGN



UNIFORM THREAD FORM



CONVENTIONAL 'BUTTRESS' THREAD FORM

DRILL OPTIMIZATION

TIP ANGLE

SPLIT POINT

PRIMARY & SECONDARY RELIEF

CORNER CHAMFER

FLUTE HELICAL ANGLE

FLUTE EDGE BREAK

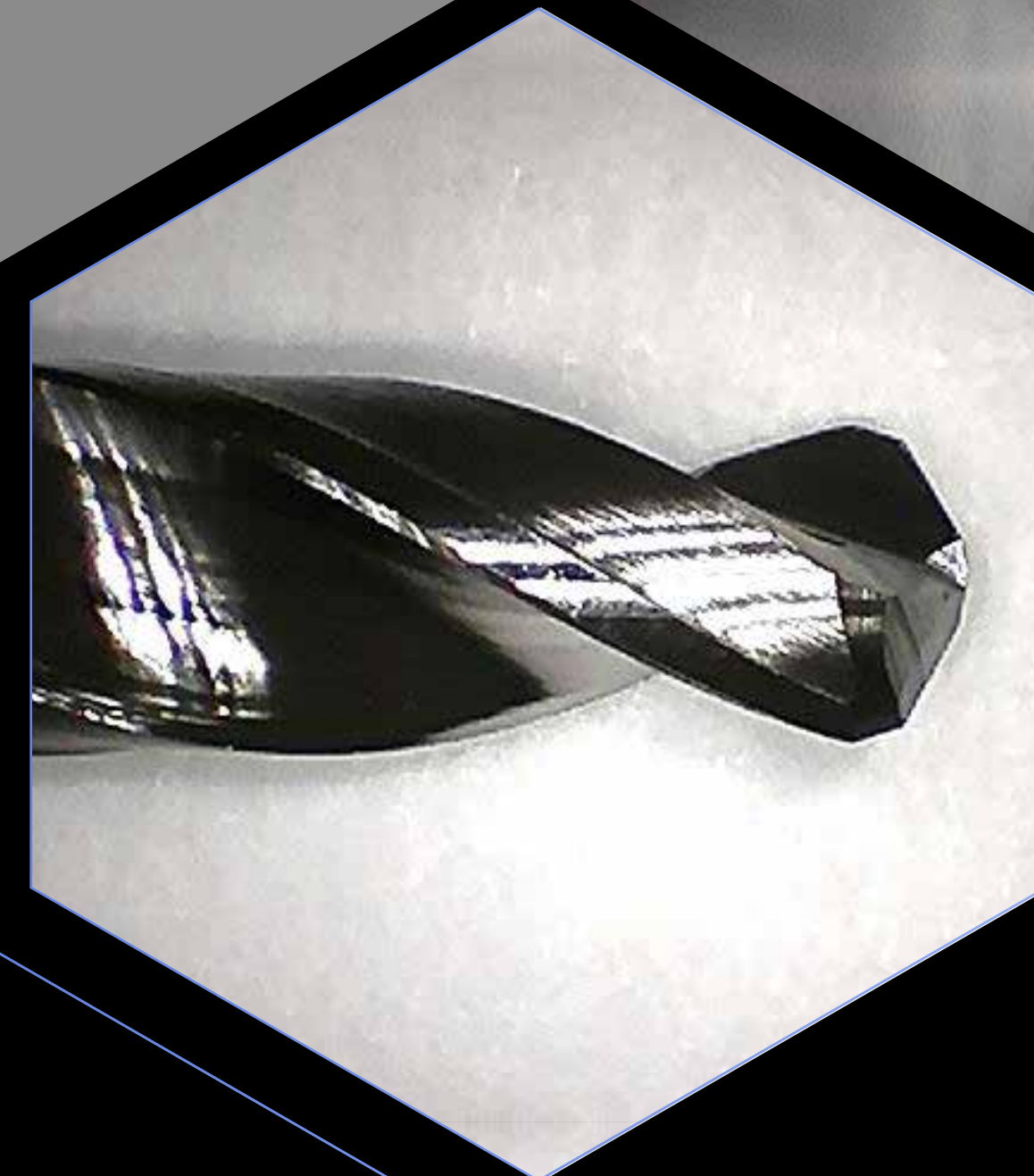
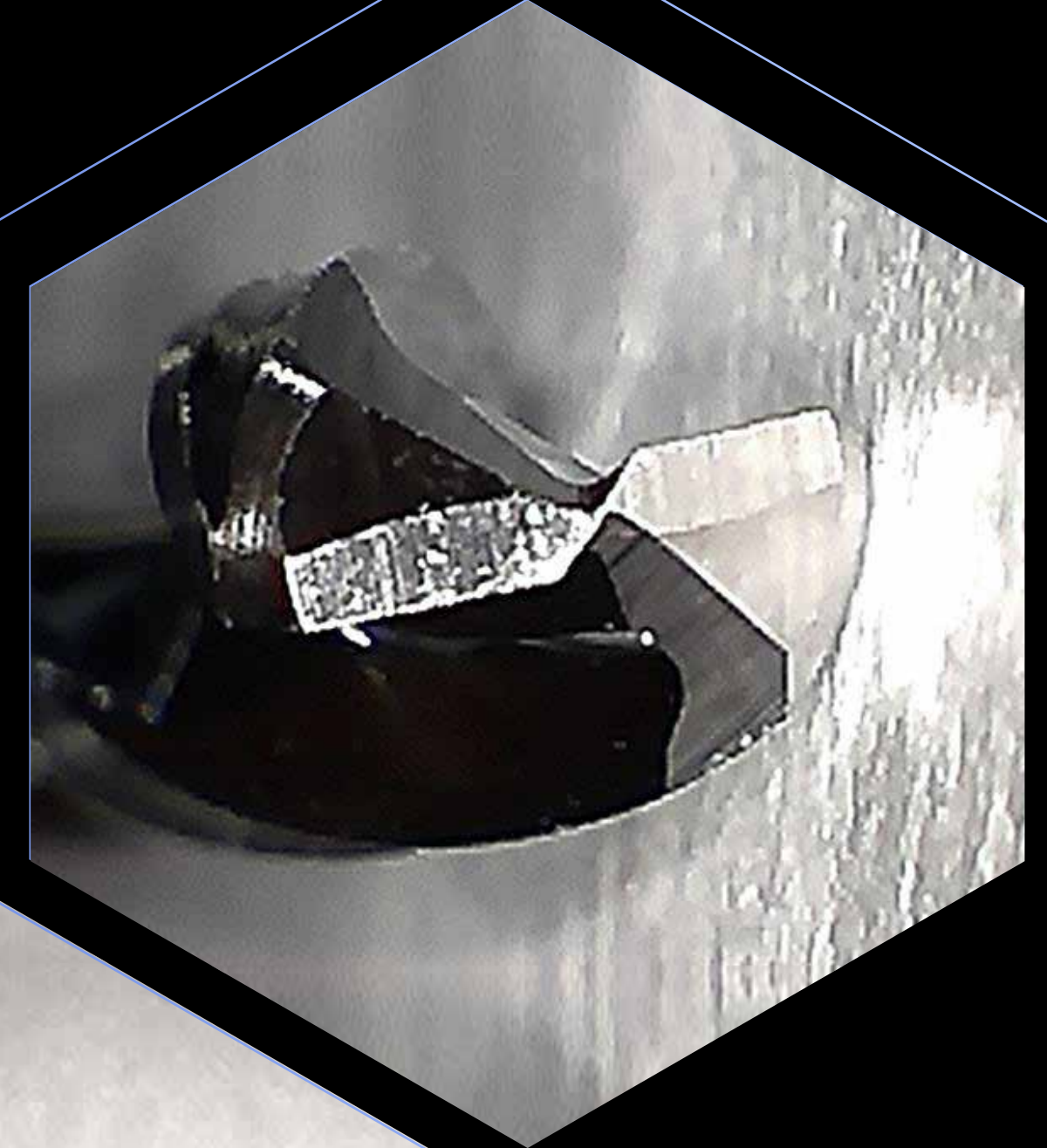
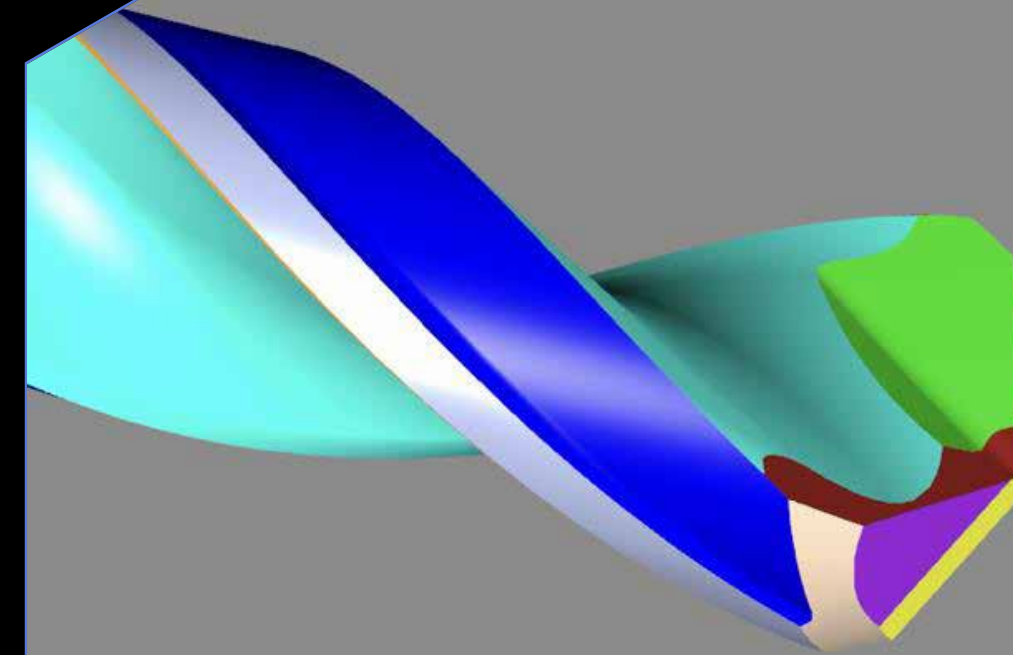
FLUTE MARGIN

RESULTING IN

MORE ACCURATE HOLE SIZE

FASTER DRILLING SPEED

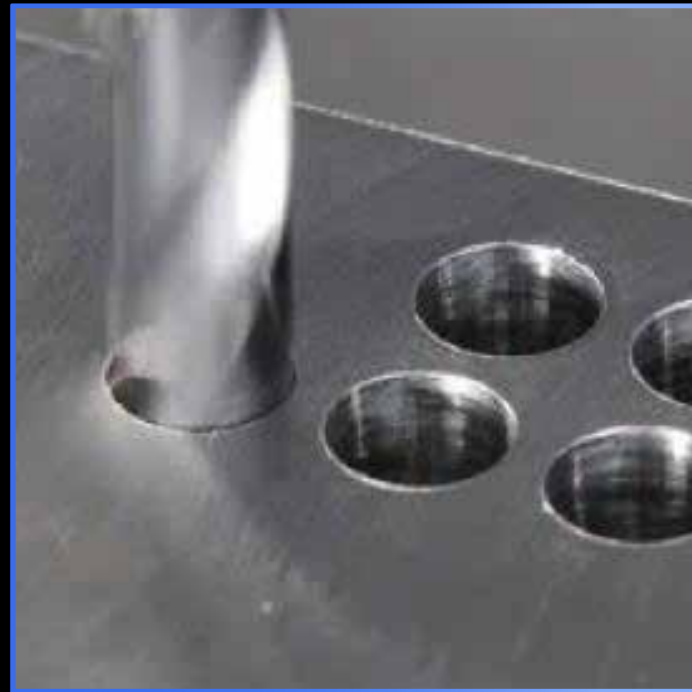
LOWER HEAT GENERATION



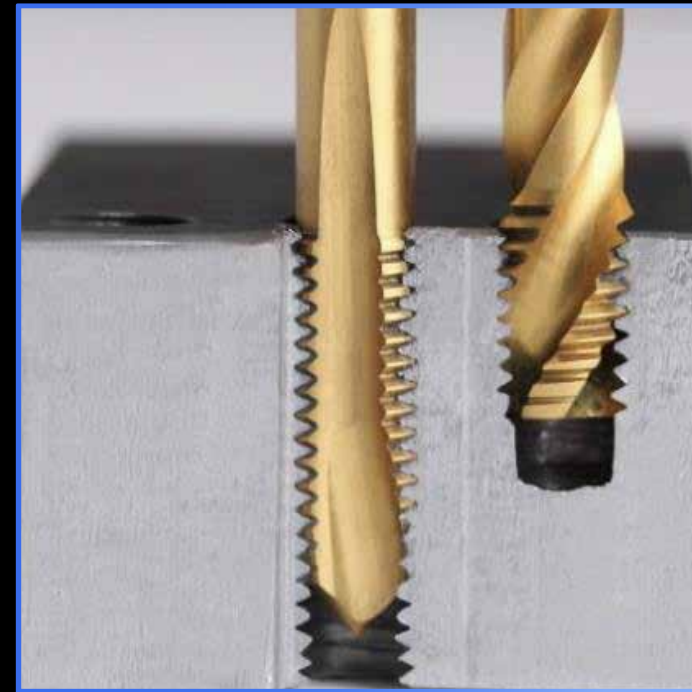
LEVERAGING KNOWLEDGE

APPLICATION OF INTELLECTUAL PROPERTY

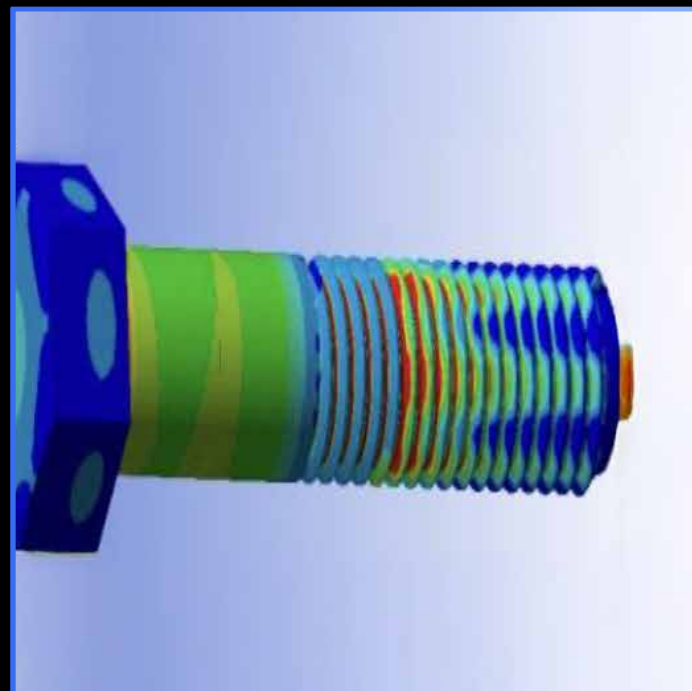
DRILLING



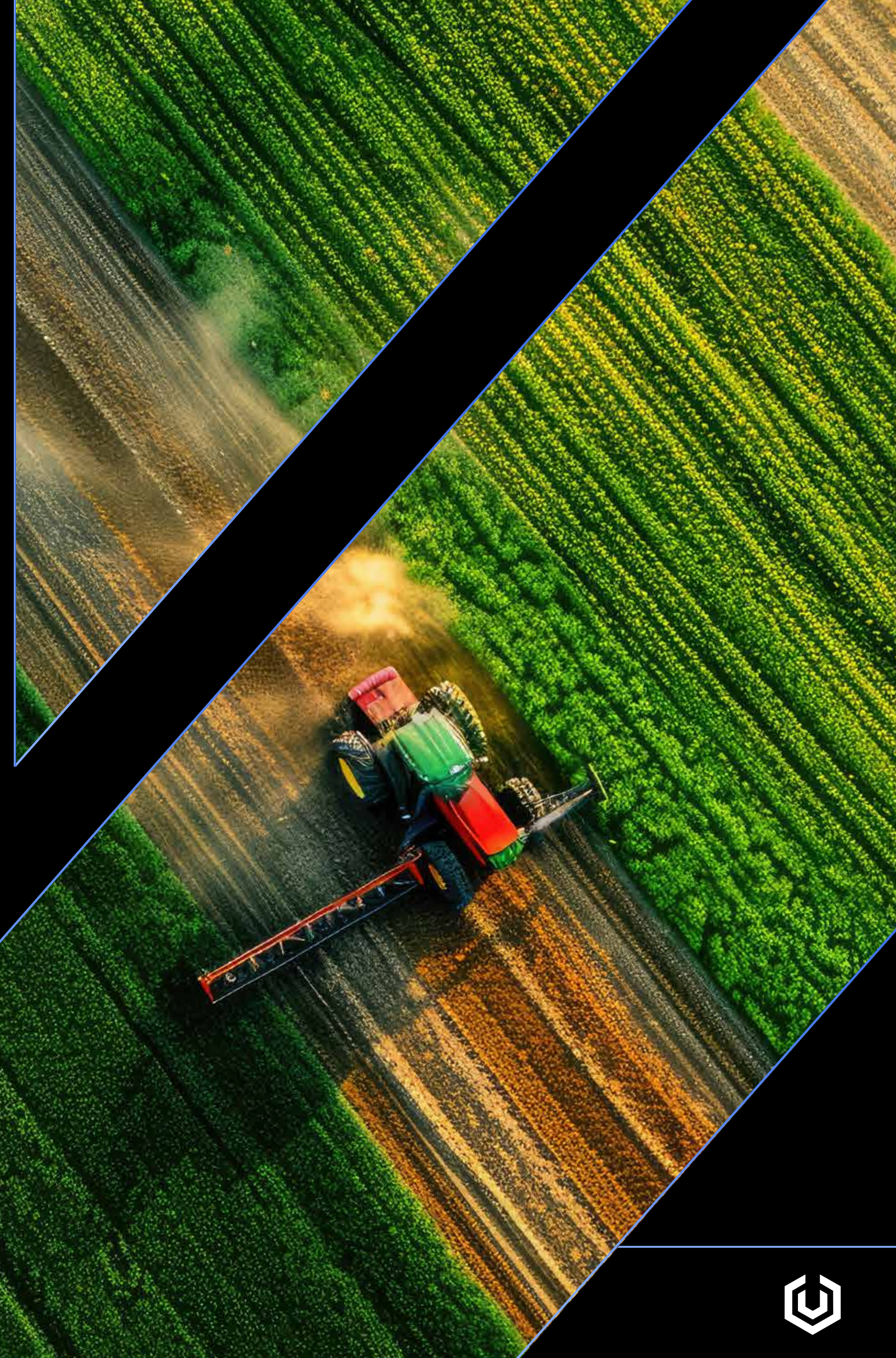
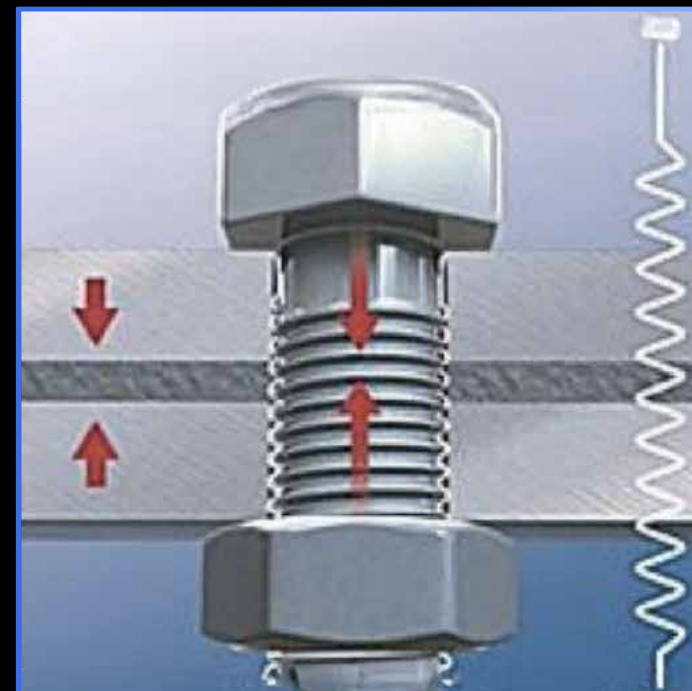
TAPPING



STRESS MANAGEMENT



STABILITY



AGRICULTURE APPLICATIONS

ADDRESSING KEY MARKET CHALLENGES



UnifiM./ 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

\$3.2B
SALES



BOLTS,
SCREWS AND
STUDS



COMPRESSION
LIMITERS



NUTS AND
RETAINERS



\$2B
SALES

STANLEY
Engineered Fastening

STANLEY **NELSON**
Engineered Fastening

POP **TUCKER** **CRIBMASTER**



\$723M
SALES



POWERTRAIN

POWERTRAIN
TECHNOLOGY

SEATS
AND
DOORS

SENSORS

\$675M
SALES

lisi AUTOMOTIVE

THREADED
FASTENERS



CLIPPED
SOLUTIONS



SAFETY
MECHANICAL
COMPONENTS





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

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

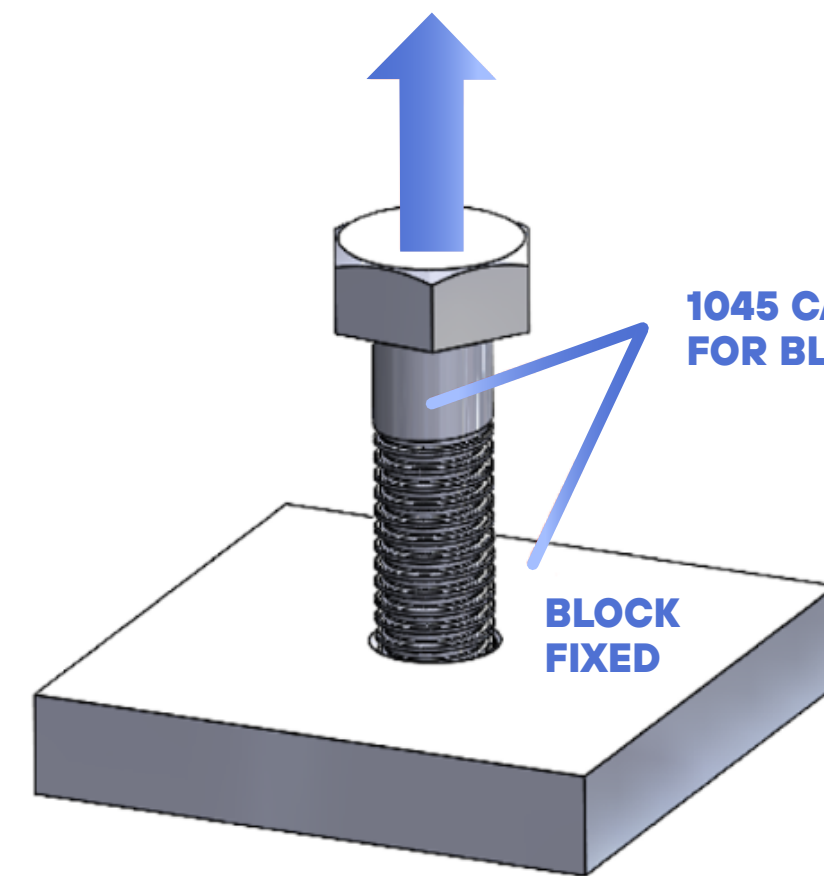
3. Execute **licensing** models

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

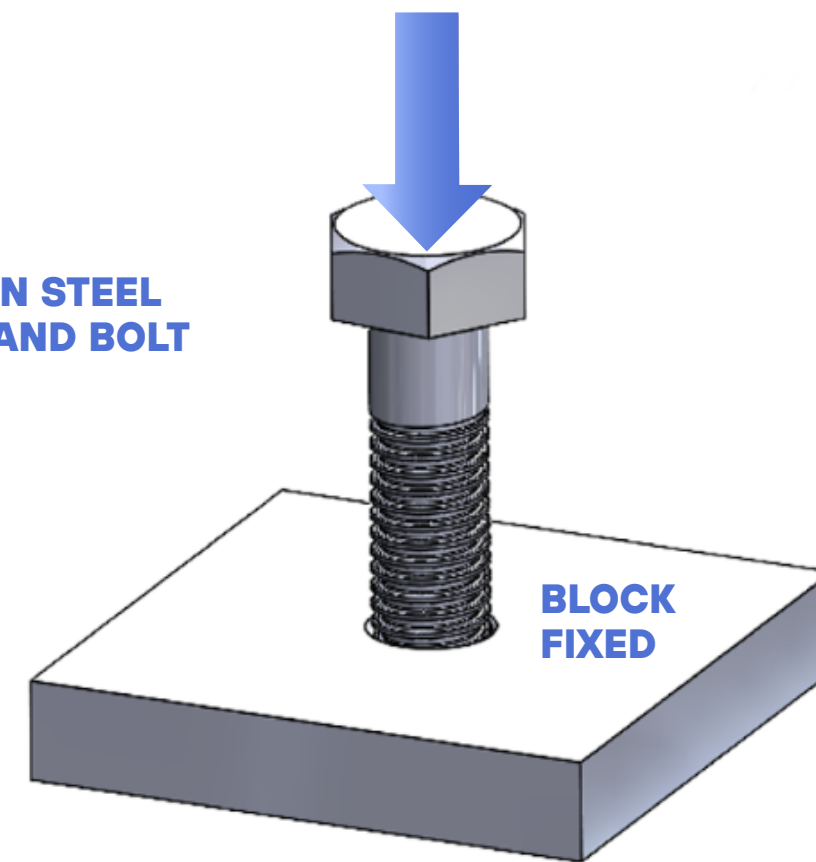
5. **Influence** design and specifications for next gen projects

UnifiM.I. AGRICULTURE VALIDATION POINTS

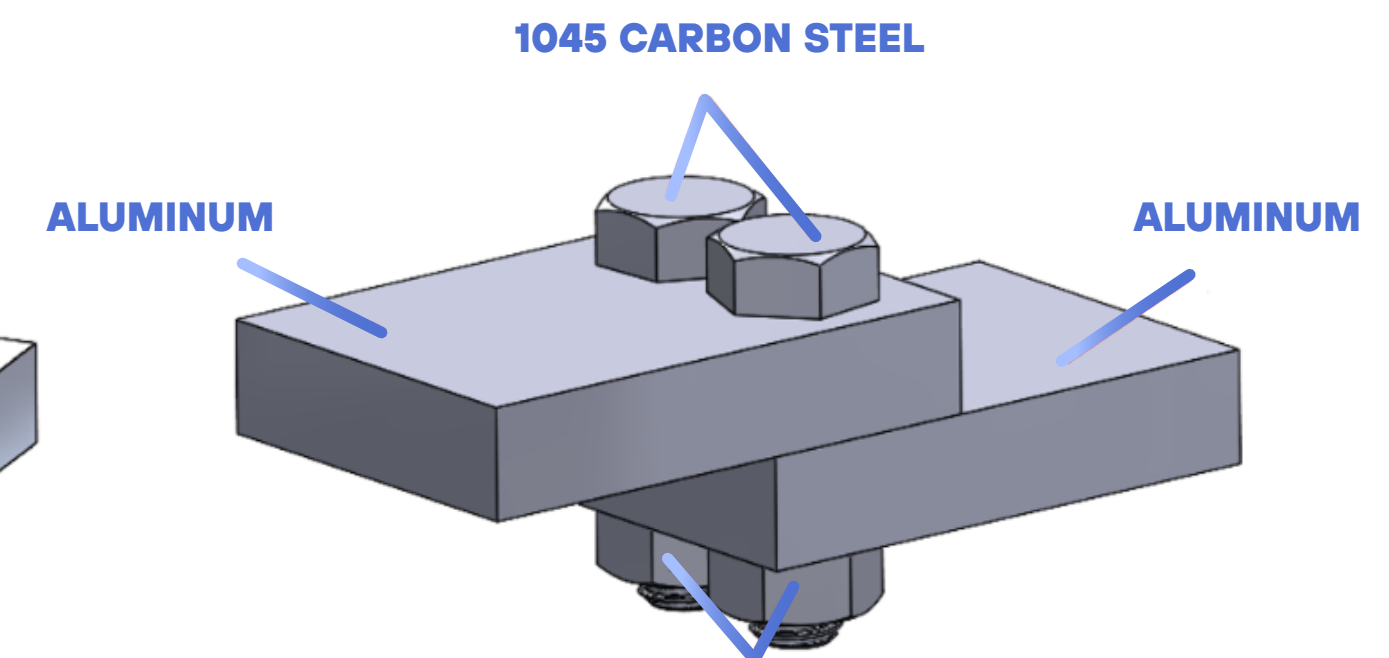
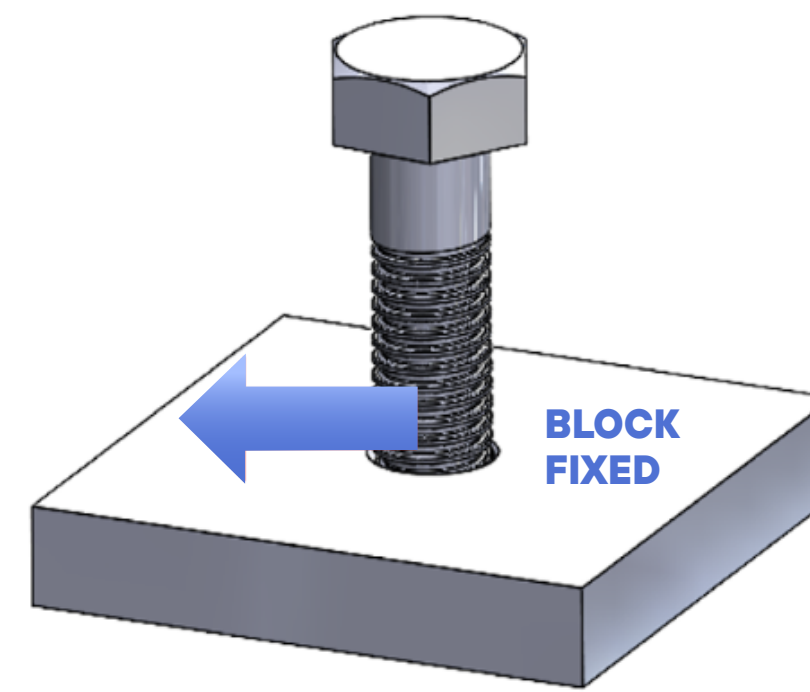
STRUCTURAL & DYNAMIC MECHANICAL TESTING



BOLT TENSION



BOLT COMPRESSION



VIBRATION CYCLING WITH CLAMP LOAD CHANGE OVER TIME

RESHAPING THE FUTURE

