



**PRECISION
FASTENER
SPECIALISTS**

**STANDARD
AND SPECIALTY
MACHINED
PARTS**

FASTENERS
UNLIMITED

CAPABILITIES

CNC Lathe Turning Capabilities
.125" to 15" in diameter and 72 inches long

CNC Milling Capabilities
Vertical Machining Center;
50" x 20" x 25"

Centerless Grind within
.0002"

Case Hardening
Deep Hole Drilling
Heat Treating

Marking
Nitriding

Shot Peen
Thread Rolling

Vibropeen
Stamping
Electrochemical Etching
Laser Cutting and Stampings

2 and 3 point oval point
tri clamp locking
Torque Inspection
Self Locking (plug, pellet,
strip, patch)

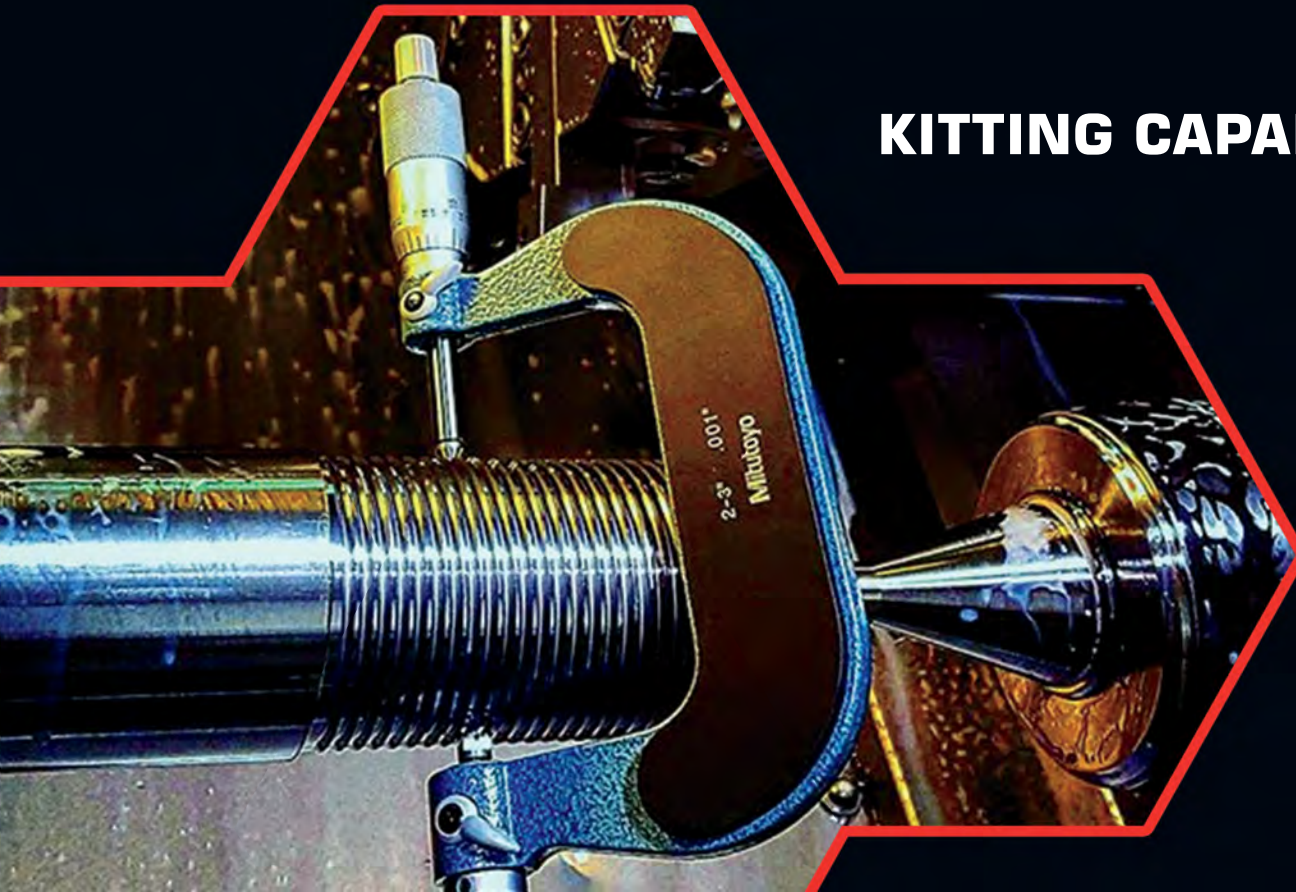
Metallurgical Testing
Microstructure
Macrostructure
Grain Size
Decarburization

Mechanical Testing
Wedge and Axial Tensile
Shear
High Temperature Tensile
Charpy
Hardness
Proof Load
Hydrogen Embrittlement

Non-Destructive Testing
Magnetic Particle
Liquid Penetrant
Ultrasound

PLATING

Zinc
Passivation
Chromating
Electrolytic Nickel
Black Oxide
Cadmium
Diffused Nickel Cadmium
Dry Film
Electroless Nickel
Gold
Nickel
Phosphate
Primer Coatings
Oil Coatings
Silver
Hot Dipped Galvanized
Sermaguard®
and Many More...



KITTING CAPABILITIES

WHAT WE DO

Since 1985, Fasteners Unlimited has filled the specialty hardware needs for various industries across the world, Power Gen, Military, Transportation, Medical, Agriculture, Petrochemical and a host of OEM accounts. At Fasteners Unlimited we believe there is no order that is too small, nor too large. Operating a full CNC machine shop in western Pennsylvania, we are an American-proud company. We take pride in what we do and who we do it for.

OUR PROCESS

Certified MIL-I45208A, our inspection teams pursue 100% quality on a daily basis. Meeting MIL-S-1222H criteria, we are a Level 1 Navy supplier combining the expertise of experienced industry leading machinists with state of the art CNC turning, and milling centers. With our manufacturing division in place since 1968, and distribution capabilities since 1985, Fasteners Unlimited has combined to form an unmatched facility dedicated to complete customer satisfaction. Industries such as power generation, transportation, medical, military, and a host of other OEM accounts are serviced daily through our facility. At Fasteners Unlimited, complete customer satisfaction is our most important consideration. Whatever your job or process requires, Fasteners Unlimited has the expertise to make your specialty part with full certification, traceability, and the highest quality available.

OUR MISSION

Our mission at Fasteners Unlimited is to deliver a quality-oriented distributor of standard and specialty machined hardware serving a variety of industries. With belief that no order is too big or too small, Fasteners Unlimited can supply you with the highest quality hardware available in today's marketplace. Working with industry-leading sales, quality control, inspection, distribution and top-of-the-line machinists, we are able to deliver complete customer satisfaction because that is our most important consideration.

**COMPLETE
TRACEABILITY
FROM RAW
MATERIAL TO
FINISHED PART**

OUR SPECIALTY IS YOUR SPECIFICATION

Fasteners Unlimited's service commitment to our customers ensures a reliable product at a competitive price. Our goal is to satisfy our customers total quality specifications and requirements. We strive to be responsive to your rush orders and emergency needs. At Fasteners Unlimited, we are proud to be your American Made supplier of high quality hardware and special machined parts. Below is a list of materials we work with. We can source any material you could possibly need.

STAINLESS STEELS

-303
 -304
 -309
 -310
 -316
 -317
 -321
 -330
 -347
 -403
 -410
 -410-B3
 -416
 -430
 -440c
 -501
 -17-4
 -904
 ASTM A193 B5
 ASTM A193 B6
 ASTM A437 422
 A286A
 A286B

COPPER ALLOYS

BRASS
 NAVAL BRASS
 ALUMINUM BRONZE
 PHOSPHOROUS BRONZE

ALLOY STEEL

ASTM A193 B16
 ASTM A193 B7
 ASTM A193 B7M
 ASTM A320 L7
 ASTM A320 L7M
 -4140
 -4340
 -E4340
 -1117
 -1137
 -1045
 -1010
 -1211
 -1215
 -1212
 -12L14
 -1018
 -1020
 -A36

TOOL STEEL

- 4-20
- A-2
- A-6
- A-7
- A-10-GA
- CPM 1, 3, 4, 9, 10, 15
- D-2
- D-3
- D-7
- H-13
- L-6
- M-2
- M-42
- M4/PM M4
- O-1
- O6-GA
- P-20
- S-7
- S-5
- W-1

TITANIUM

- TIGR-2
- TIGR-5
- TIGR-6AL
- TIGR-7
- TIGR-9
- TIGR-12
- TIGR-19
- TIGR-28
- TIGR-29

SUPER ALLOYS

- HAYNES-25
- HAYNES-188
- HAYNES-566
- INCOLOY 800HI
- NCOLOY 800
- INCOLOY803
- INCOLOY825
- INCOLOY 901
- INCONEL 100
- INCONEL 600
- INCONEL 601
- INCONEL 625
- INCONEL 713C
- INCONEL 718
- INCONEL 738
- INCONEL X-750
- INCONEL 783
- INCONEL 792
- INCONEL 925
- DURATHERM 600
- HASTELLOY-X
- HASTELLOY C-276
- HASTELLOY 825
- WASPALLOY
- NICKEL 200
- MONEL 400
- MONEL R-405
- MONEL K-500
- 254 SMO
- FERRALIUM 255
- NITRONIC 50
- NITRONIC 60
- NITRONIC 75

PARTS LIST

BOLTS

12 POINT
ASTM A193-B7
ANCHOR
ASKEW
BATTERY
BENT
BODY BOUND
CARRIAGE
CONNECTING ROD
CRUSH
DOUBLE HEX CAP
ELEVATOR
EYE
FITTING-UP
FLANGE
GRADE 2, 5, 8
GUARD RAIL
HANGER
HEAVY HEX
HEX HEAD CAP
HOOK
INSULATED
INTERFERENCE BODY
J-BOLT
JACK
K-BOLT
LAG
MACHINE
PLACE BOLT
PLOW
SEAL
SHOULDER
SOCKET HEAD
SPRING
STEP
STOVE
STRUCTURAL
T-HEAD
T-SLOT
TAP
TAPERED
TENSION
TIE ROD
TOWER
TRACK
U BOLTS

RIVETS

BLIND
COPPER
COUNTERSUNK
DOMED HEAD
FLAT HEAD
SEMI TUBULAR
SOLID

SOCKETS

BUTTON HEAD
FLAT HEAD
HEADLESS
JAM SCREWS
SET SCREWS
SHOULDER SCREW
SOCKET HEAD CAP SCREW
SQUARE HEAD

PINS

ALIGNMENT
BRACKET LOCK
BRACKET SEAL
CENTERING
CLEVIS
CLINCH
COTTER
DIAPHRAGM
DOWEL
DRIVE
ECCENTRIC
ESCUTCHEON
GROOVE
GUIDE
HAIR
HARDENED
HEADLESS
HINGE
HITCH
NOZZLE
PULL DOWEL
ROLL
SEAL
SHOULDER
SPRING
STRAIGHT
TAPER

SCREWS

12 POINT
ADJUSTING
CAP SCREWS
COUNTERSUNK
DECKING
DRIVE
EXPANSION
FLANGE
FLAT HEX CAP
HEAVY HEX CAP
HEX HEAD GRADE 2, 5, 8
LAG
MACHINE
METRIC
ONE WAY SLOT
SEALING
SELF TAPPING
SET
SHEETING
SPANNER
SQUARE HEAD
STOVE-BOLTS
TAMPER PROOF
TAPPING
TEKS
THREAD CUTTING
THREAD FORMING
THUMB
U DRIVE
WING
WOOD

WASHERS

BEARING
BELLEVILLE
BEVEL
CONICAL SPRING
COUNTERSUNK LOCK
DISC SPRING
EXTERNAL TOOTH
FENDER
FIBER
FINISHING
FLAT
FLAT-MEDIUM
FLAT-NARROW
FLAT-WIDE
HARD
HEAVY
HELICAL
INSULATED
INTERNAL
INTERNAL-EXTERNAL
INTERNAL TOOTH
LIGHT
LOAD BEARING
LOCK
MACHINE SCREW
MALLEABLE
MEDIUM
METRIC
NEOPRENE
PANTLEG
REGULAR
RETAINING RING
SAE
SEALING
SPHERICAL
SPLIT LOCK
SPRING
STRUCTURAL
TERMINAL
THRUST
USS
WAVE
WEIGHT BALANCED
X-DUTY

STUDS

ACME
BODY BOUND
CONTINUOUS THREAD
DOUBLE END
FULL THREAD
SINGLE END
TAP
WELD

MILITARY

AN
AMS
B18
MS
NAS
NASM
SAE

NUTS

12 POINT
A194-2H
ACORN
ANCO
BATTERY
CAGE
CAP
CASTLE
CLINCH
COUPLING
COVERED
FINISHED HEX
FINISHED HEX JAM
FLANGE
FLEX TYPE LOCK
HEAVY HEX
HEX JAM
HEX MACHINE
KEPS
LEFT HAND THREAD
LOCKNUTS
NYLON INSERT
PLUG
PREVAILING
REVERSIBLE
ROUND
SELF LOCKING
STRUCTURAL
SQUARE
TEE
TORQUE LOCK NUT
WELD
WHEEL
WING

MISCELLANEOUS

BEARINGS
BUSHINGS
CAP PLUGS
COUPLINGS
DRIVES
FITTINGS
FLANGES
GROMMETS
GUSSETS
HEAT SHRINK
HOSE CLAMP
HOSES
KEYS
LOCK PLATE
NYLON
O RINGS
RETAINING RINGS
SEALANTS
SHIMS
SPACER BLOCKS
SPACERS
SPRINGS
STANDOFFS
STATOR KEYS
THREADED ROD
U CLAMPS
VALVES
WIRE TERMINAL
ZIP TIES

EMERGENCY

Fasteners Unlimited understands there are emergency situations or break downs where immediate repair is necessary. We offer emergency service with same day turn around. *Part Depending*

**WE STOCK
OVER 30,000
HARDWARE
ITEMS**



**ROTOR
HARDWARE
HOT GAS PATH**



SPECIALTY
STAMPINGS
AND LASER
CUTTINGS

GAS, STEAM, AND
WIND TURBINE

PERSONAL
RESPONSIBILITY
IN
DELIVERING
EXCELLENCE

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MADE IN
USA