



WWW.PENNUNITED.COM

MANUFACTURING SOLUTIONS. ABSOLUTE INTEGRITY. EMPLOYEE OWNED.

Founded in 1971



An Employee-Owned Company since 1974

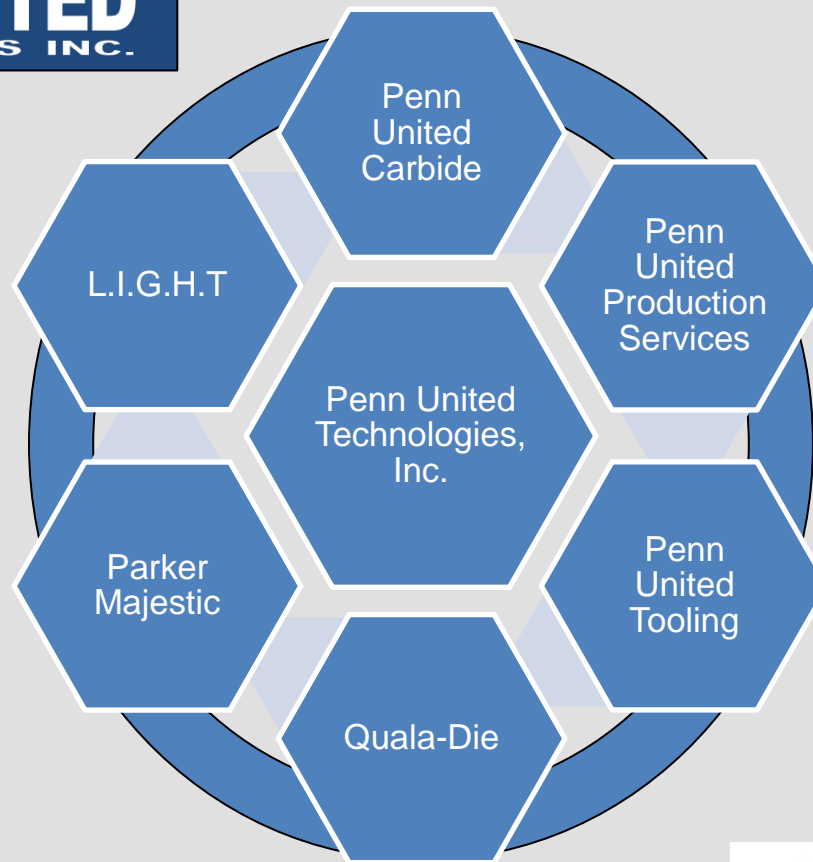
~ 9 Total Facilities

*~ Approximately
600,000 sq. ft. of
Manufacturing and
Office Space*

~ 625+ employees



*ISO 9001 Certified, ITAR Registered, GIDEP
Registered and FDA Registered*





Cabot - Headquarters

Parker Majestic

Carbide Division

Penn United Technologies also has offices in:

- North Carolina
- Louisiana
- United Kingdom (UK)
- Puerto Rico
- Singapore
- Costa Rica

Major Markets



Precision Manufacturing Solutions

Precision Tooling & Engineering Services

Design for Manufacturing

Die Simulation Services

Prototyping

High Precision Stamping Dies

Metal Stamping/ Forming Tooling

General Precision Wear Components

Precision Machining

Precision Grinding

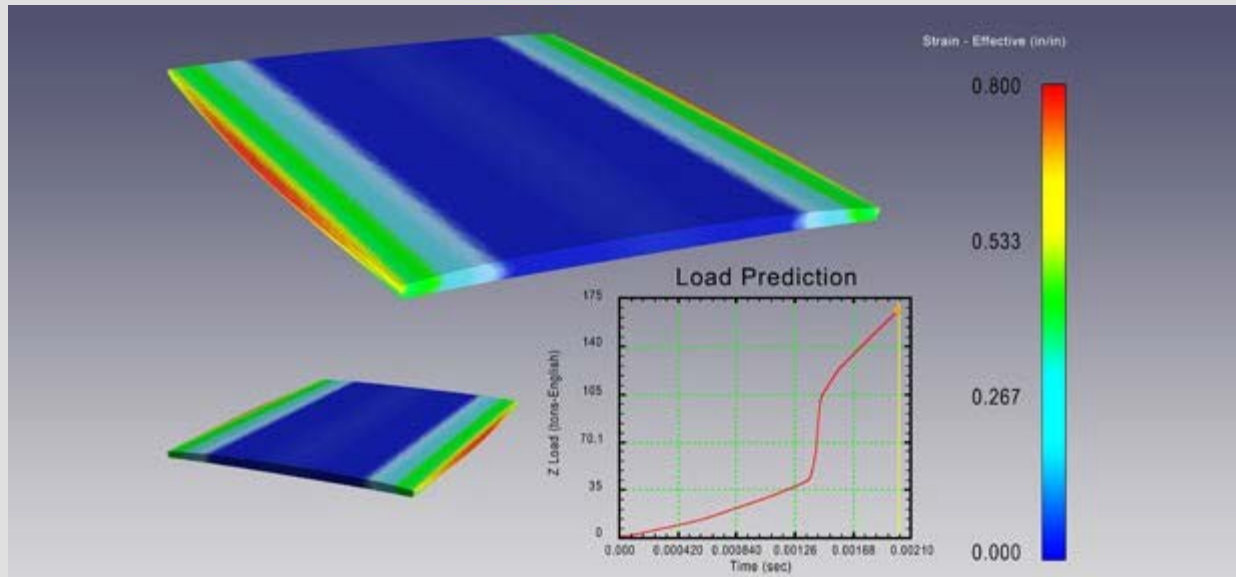
Powder Metal Compaction Tooling – Quala-Die

Design for Manufacturing



Assist in the product design phase to decrease up front prototype costs, reduce costly changes down the road, and shorten your time to market schedule.

Die Simulation Services



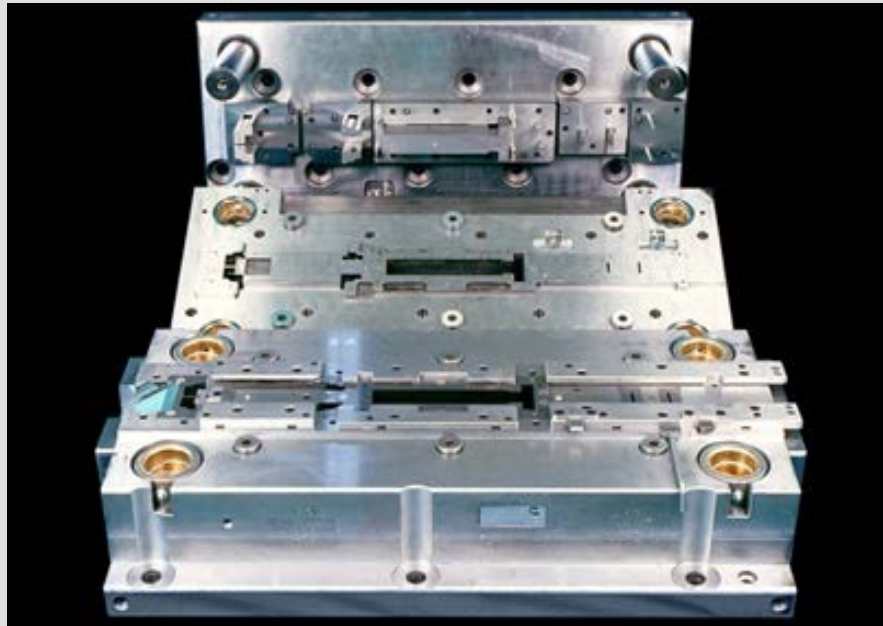
Our talented design engineering team can identify failure and fatigue issues with the die components as well as finished parts before any manufacturing processes have been performed.

Prototyping



Services include: design and development of your concept from start to finish aided by design and simulation software, 3D plastic printing, laser cutting and hard tooled prototype options. We can provide first time units for concept evaluation or parts that will closely match the final parts you will see from established production processes.

High Precision Stamping Dies



Expert skills and comprehensive knowledge needed to produce the highest quality stamped parts, giving you durability and maintaining the utmost level of accuracy.

Metal Stamping/ Forming Tooling

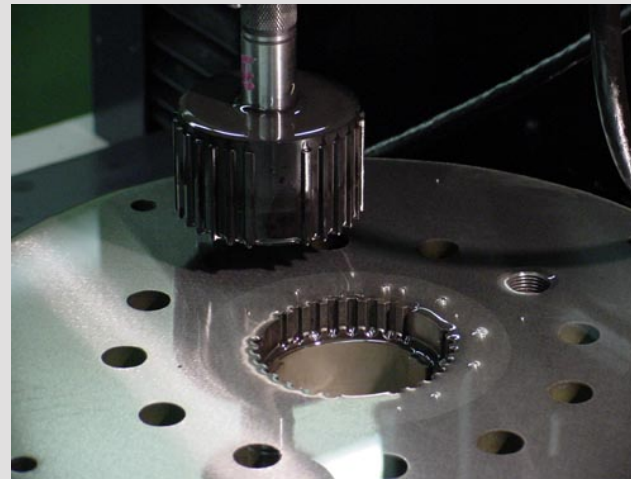


Provide precision tooling solutions from low to high volume production, repairs and assemblies of high precision components.

Precision Machining & Grinding



Tight tolerance machining and high precision grinding of critical-application components of various materials



Quala-Die is a leading producer of tooling for the powdered metal compaction industry.

- 43,000 square foot manufacturing facility located in St. Mary's PA, "The Heart of P/M Technology".
- Focused tooling and precision machining facility producing state-of-the-art tooling at highest level of quality, with the quickest possible delivery, most competitive prices, and the highest level of customer service.
- Full service Engineering Department is equipped with the latest in CAD/CAM technology. We can also machine prototypes to customer specifications for early development of production parts.

Precision Manufacturing Solutions

Production Services

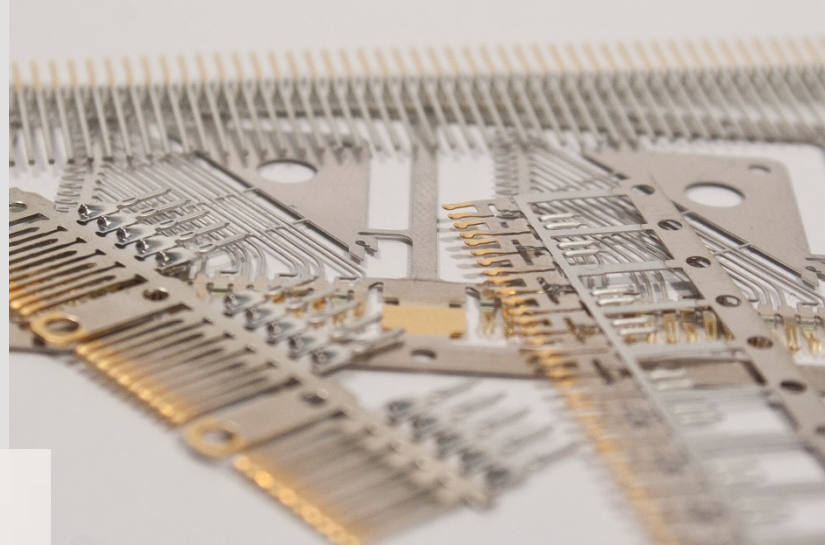
Metal Stamping

Laser Cutting

Reel-to-Reel Plating

Metal Finishing Services

Assembly



Metal Stamping



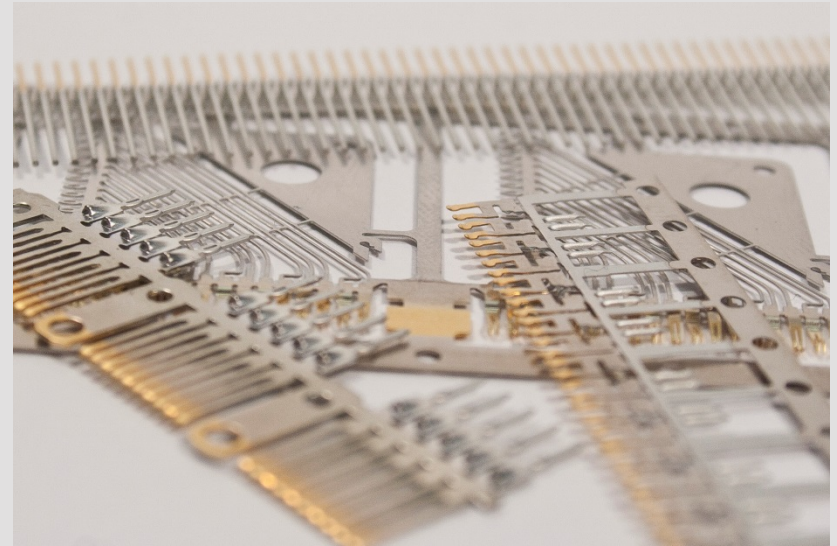
Complex flat or formed parts, steel laminations, bandolier pins, continuous reel stamping, prototype stamping, and other stamped metal and non-metal products.

High Speed Fiber Laser Cutting



High Speed, 2 kilowatt fiber laser system with capability to cut up to 7/8" thick mild steel or 3/8" thick stainless steel. The laser system provides an additional option for prototype and development parts as well as a cost efficient option for lower volume production requirements.

Reel-to-Reel Plating



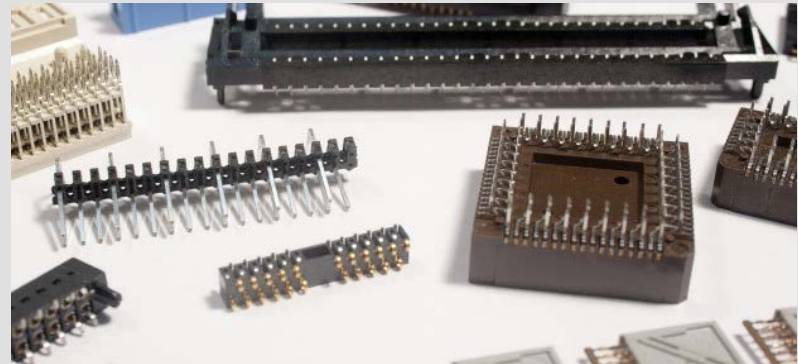
Processes include: electro polishing, electro cleaning, copper, nickel, palladium, palladium/nickel, gold, silver, tin 100%, lead free tin, tin/lead (various alloys).

Metal Finishing Services



Processes include: aqueous and solvent based cleaning, both citric and nitric passivation, plating and coating, and an in-house lab and testing area.

Assembly



Improve your supply chain management efficiencies with the skill, dexterity, dedication to process improvement, as well as meeting stringent deadlines with our on-site capabilities.

Precision Manufacturing Solutions

Penn United Carbide

Hard Materials & Wear Components

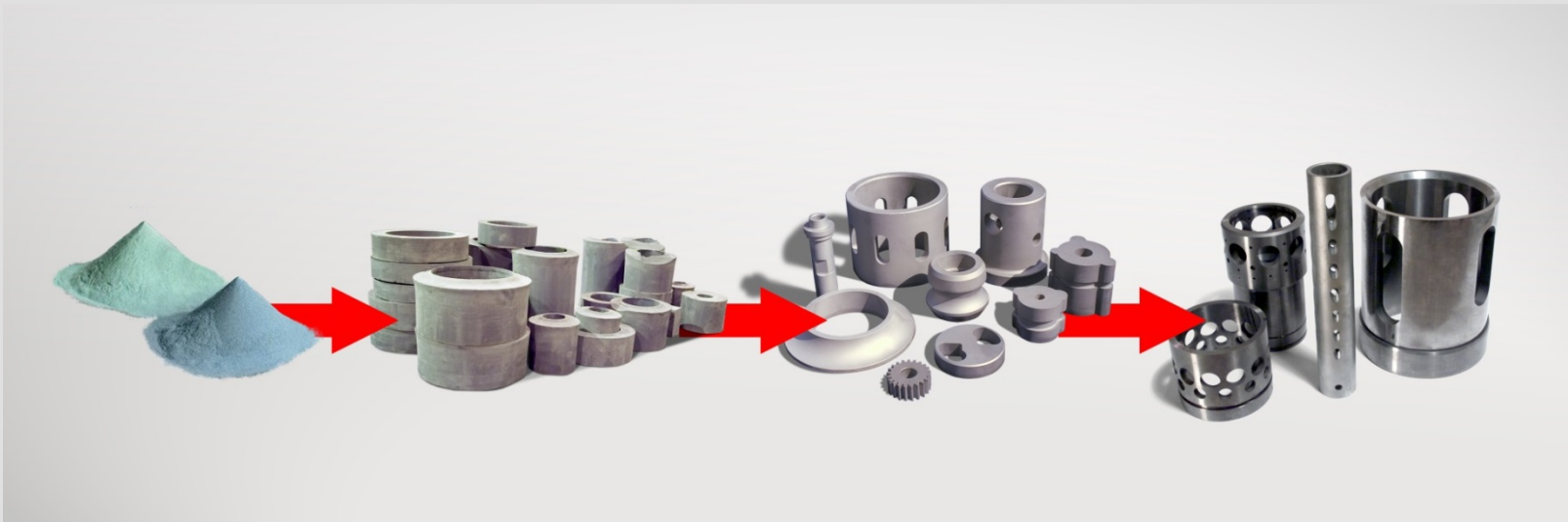
Tungsten Carbide

Silicon Carbide

Carbide and Metal Assemblies

Precision Wear Components

Precision Machining & Grinding



Tungsten Carbide & Silicon Carbide Components



Manufacturer of tungsten and silicon carbide components engineered for rigorous applications ranging from erosion and corrosion resistance to high impact strength.

Carbide & Metal Assemblies



Joining of tungsten carbide to a metal component is used to address manufacturing issues regarding fabrication, assembly and cost.

Precision Machining & Grinding



Tight tolerance machining and high precision grinding of critical-application, high wear components.



Precision CNC grinding machines and remanufacturing of manual precision grinders.

Manufacturing Training



At our L.I.G.H.T. center or your facility.

Renowned Quality Systems and Metrology Equipment



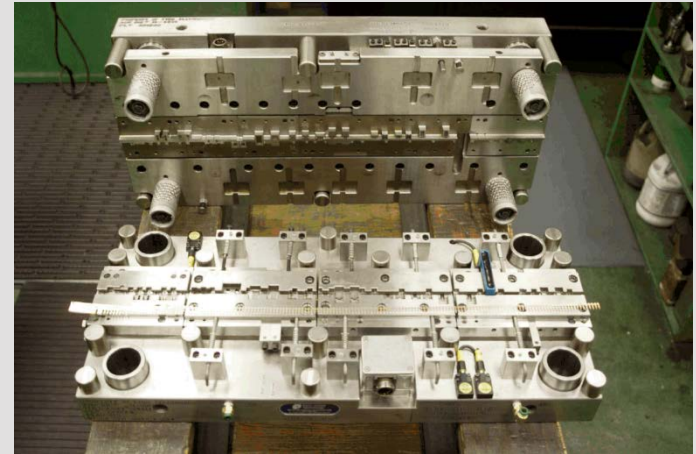
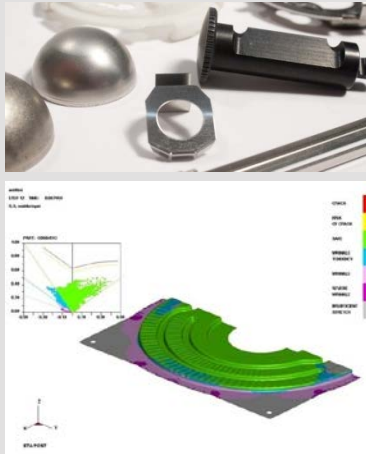
Penn United is ISO 9001 certified, ITAR registered, GIDEP registered, and FDA registered to meet quality requirements of our customers. We excel at maintaining our customers confidentiality throughout our business processes.

Commitment to Quality

- Advanced Product Quality Planning – APQP
- Failure Mode Effect & Analysis – FMEA
- Measurement Systems Analysis –MSA
- In Process Inspection and Statistical Process Control
 - Real Time Inspection Results
 - Real Time Capability Analysis (Ppk, Cp and Cpk)
- OGP Quest Optical, Laser and Touch Probe Measurement
- Vision System Capability
- Program and Fixture Design
- Over 9000 Calibrated Devices used Daily



Vertically Integrated Manufacturing Solutions



Penn United offers a large array of vertically integrated services to provide customers a value added solution. The crossover of our business groups allows us to utilize the best available resources to serve our customers' needs.

Financial Stability

MANUFACTURING SOLUTIONS. ABSOLUTE INTEGRITY. EMPLOYEE OWNED.



FULL SERVICE CONTRACT MANUFACTURER FOR THE MEDICAL DEVICE INDUSTRY



- ADDITIVE MANUFACTURING / 3D PRINTING
- CARBIDE CORE PINS
- CARBIDE MANUFACTURING
- CLEAN MANUFACTURING AREA
- DE-BURRING
- DESIGN FOR MANUFACTURING
- ELECTRO POLISH
- LASER CUTTING, WELDING & MARKING
- MANUFACTURING TRAINING
- MEDICAL DEVICE ASSEMBLY
- MEDICAL DEVICE SUB ASSEMBLY
- METAL FINISHING SERVICES
- METAL FORMING
- METAL FORMING SIMULATION
- METAL STAMPING
- PACKAGING
- OPA PRINTING
- PART CLEANING
- PASSIVATION
- PRECISION GRINDING
- PRECISION GRINDING MACHINES
- PRECISION STAMPING DIES
- PROCESS VALIDATION FOR MEDICAL DEVICES - IQ / OQ / PQ
- PRODUCTION MACHINING
- PROOF OF CONCEPT
- PROTOTYPING
- REEL-TO-REEL PLATING
- TOOLING

CONCEPT DFM SIMULATION PROTOTYPE VALIDATION PRODUCTION

ISO 9001 Certified FDA Registered

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MANUFACTURING SOLUTIONS. ABSOLUTE INTEGRITY. EMPLOYEE OWNED.




- DESIGN FOR MANUFACTURING
- DIE SIMULATION SERVICES
- PROTOTYPING
- AUTOMATED EQUIPMENT
- PRECISION MACHINING
- REEL-TO-REEL PLATING
- ADDITIVE MANUFACTURING
- TOOLING
- HIGH PRECISION STAMPING DIES
- METAL FINISHING SERVICES
- CARBIDE MANUFACTURING
- TUNGSTEN & SILICON CARBIDE
- PRECISION GRINDING
- METAL STAMPING
- ASSEMBLY
- CARBIDE & METAL ASSEMBLIES
- PARKER MAJESTIC GRINDERS
- MANUFACTURING TRAINING



VISIT US ONLINE AT 


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HIGH PRECISION CONTROL AND WEAR PARTS FOR SUBSEA AND SURFACE DRILLING AND COMPLETIONS

- Tungsten & Silicon Carbide Components
- Carbide and Metal Assemblies
- High Precision, Tight Tolerance Machining, Grinding, Milling & Turning
- Progressive Stamping Dies
- Tooling
- Precision Assembly
- Metal Finishing Services
- Design for Manufacturing Support
- Prototyping
- Die Simulation Services
- ISO 9001:2008 Certified
- High Quality, Consistently Manufactured Components
- Industry Leading Pricing & Lead Times
- Best on Time Delivery

Check out all of our manufacturing solutions 

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Through productivity improvements, cost containment and sustainable financial controls Penn United is prepared to grow during eventual shifts in the global economy.

Committed to Work Force Development and Our Employee Owners



Our employees are not only our most important asset, but are committed to company success through their ownership. As a result Penn United is devoted to developing the talents, wellness, and lives of our employees.

Contact Information:

Headquarters

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