



Medical Industry Applications



MANUFACTURING **SOLUTIONS**. ABSOLUTE **INTEGRITY**.







An Employee-Owned Company

Founded in 1971







- 8 Total Facilities
- Approximately 550,000 sq. ft. of Manufacturing
 & Office Space
- 580 employees
- ISO 9001:2008 Certified and FDA Registered



Precision Manufacturing Solutions

Dies

Plating

Tooling

Stamping

Assembly

Carbide

Prototype

Automation

Container Tooling

Production Machining

Grinders and Spindles

Component Manufacturing

Manufacturing Training



Divisions









MANUFACTURING **SOLUTIONS**. ABSOLUTE **INTEGRITY**.





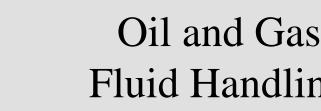
Major Markets





Medical Device and Instrument Automotive

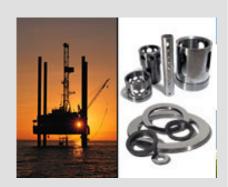
Aerospace and Defense **Telecommunications Electronic Connectors**



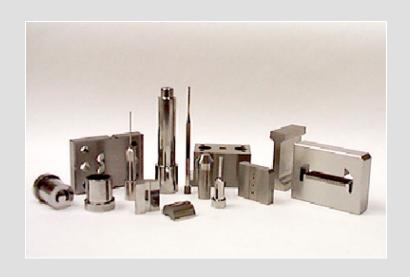
Fluid Handling

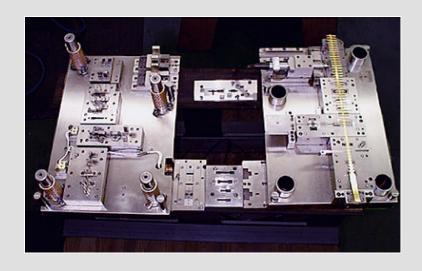
Energy











High Precision TOOLING and DIE Manufacturer

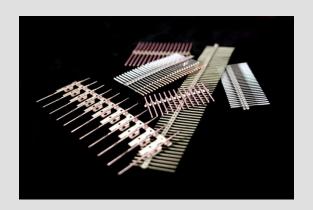


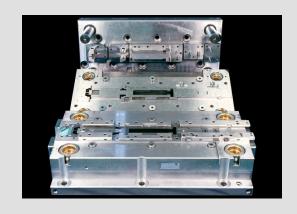
Die Design

Custom Built Progressive Dies

Stamping

LEAN Manufacturing









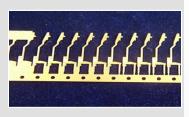








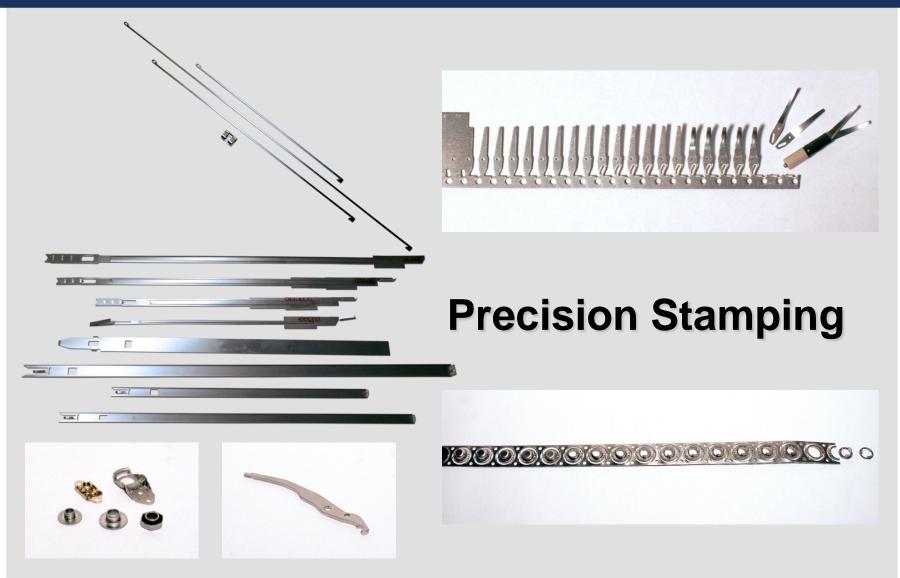






Prototype to Production







Production Machining





In Process Cleaning and Passivation

- Citric and Nitric Acid Passivation
- Nitric Copper Sulfite Testing
- ASTM Compliant ASTM-967 and ASTM-380
- Reel to Reel & Loose Piece Cleaning



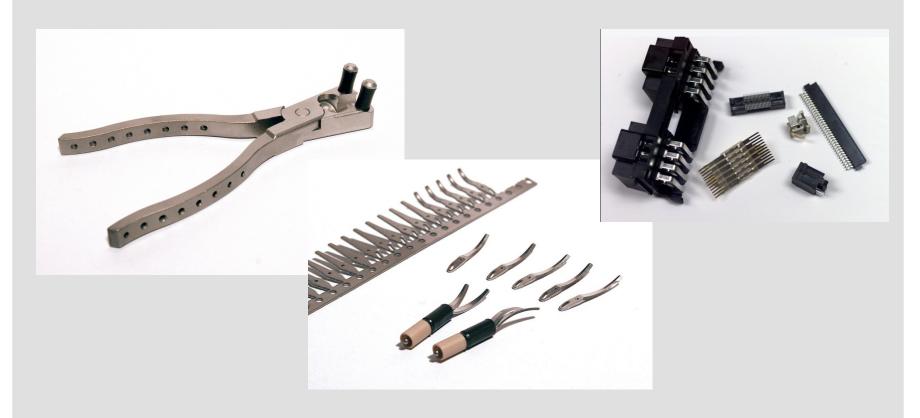




Pad Printing Capabilities







Precision Assembly



High Precision Machining and Grinding

- Quality Assurance

First Article Inspection CMM Capabilities Inspection Reports

- Critical Application Components









Turnkey production systems

Individual cells to assist with assembly or inspection operations

Expertise in high-precision applications



AUTOMATION



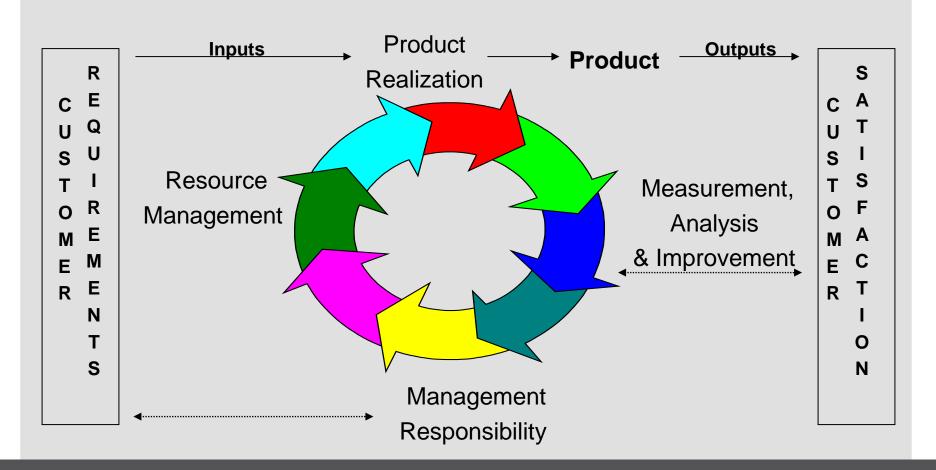
Commitment to Quality

- 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 & Cpk)
- OGP Quest Optical, Laser and Touch Probe Measurement
- Vision System Capability
- Program and Fixture Design
- Over 9000 Calibrated Devices used Daily





Continuous Improvement Initiative









Manufacturing Training



On-going Improvements in Communications

- Webx Video Conferencing
- More up-front participation in early product development (DFM)
- Dedicated Customer
 Service Team
- Sales Representation in Puerto Rico, UK, and Costa Rica & Southeast Asia.





Simulation Software



Benefits

- Lower Costs (less prototyping, fewer stations, less development)
- Shorter lead times
- Use simulation before making actual changes during development
- Early design for manufacturing process to detect potential design problem issues

Implemented in 2009



3D Printing

Rapid Prototyping and 3D Complex Modeling

Computer Generated 3D STL & SCL Files to Actual 3D Prototype Models

Thin walls down to .024" and horizontal layers to .0006"



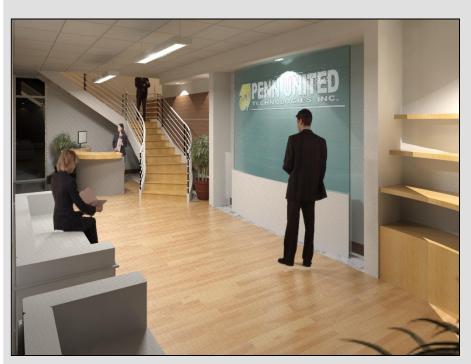
Medical Stamping Facility



A reflection of our commitment to quality and service for the Medical Industry



Penn United Costa Rica



Flexi Park S.A. Free Zone www.flexi-park.com





Penn United Costa Rica

>Flexi Park S.A.

- www.flexi-park.com
- >10,000 Sq Ft Facility (with option to expand)
- > Focus on Product Assembly
 - > Electronic Housing Assemblies
 - **≻Medical Assemblies**
 - > Laparoscopic scissor assemblies
 - > Full assembly and packaging of skin staplers
 - Plans for adding classified clean room as needed
- **▶Production launch March 2011**

PENN UNITED TECHNOLOGIES INC.

SOLUTIONS

INTEGRITY

- DIES
- TOOLING
- STAMPING
- PLATING
- ASSEMBLY
- PROTOTYPE
- MACHINING
- AUTOMATION
- CONTAINER TOOLING
- CARBIDE MANUFACTURE
- GRINDERS AND SPINDLES
- MANUFACTURING TRAINING