

Precision Components for Medical Industry

Greetings!

A **human hair** ranges in size from 0.007 inch to 0.003 inches. Click below to see an illustration 100x magnification of a [piercing of an actual human hair](#). This was created in our prototype lab, to illustrate the level of precision at which we work.

[Splitting Hairs](#)

Experts in the following areas of interest for medical manufacturing, we take pride in difficult challenges (and the need for high precision):

- Prototyping
- Precision Metal Stamping Dies
- Precision Metal Stamping
- Precision Machining
- Product Assembly
- Custom Automated Equipment

Come see us at the following shows and bring your manufacturing challenges to discuss with our experts.



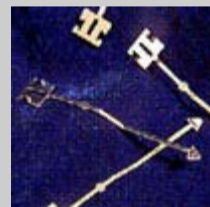
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Booth# 512

Prototype

For over 37 years, we have been supplying high quality components. We can work with your design development team or develop the manufacturing strategy that meets your goals for your new or existing product. Our range of manufacturing capabilities and extensive prototype tooling and production experience can be utilized to efficiently manage material usage and minimize the manufacturing cost of a product. We can simplify your supply chain by providing any or all of the services you need.



Precision Dies & Stamping

Penn United has the comprehensive knowledge needed to produce the highest quality stamping dies, giving customers durability, and maintaining the highest degree of accuracy. Whether designing, building, debugging or maintaining a die, Penn United is committed to 100% customer satisfaction.

We manufacture dies for low-to-medium and high volume applications, matching the right precision metal stamping die features to your specific needs and tolerances. Our commitment to customer satisfaction does not end with each shipment. Maintenance of customer dies is just one more value-added service that we provide.

If your need is to outsource your stamping job, our high speed stamping operations can accommodate up to 1,000 strokes per minute, incorporating years of high-precision process knowledge. For high volume applications, we have complete die maintenance expertise. If your application is low volume, we are accustomed to handling customers' cyclical demand schedules.



Precision Machining

Our machining group specializes in high precision machining for critical-application components. We stand ready to become your premier source for challenging machining jobs. Our experienced machinists, state of the art equipment, over 100,000 square feet of dedicated machining space, and quality assurance expertise (first article inspection reports, CMM capabilities, and inspection reports) are our foundation to providing you with the products and services to fulfill your machining needs. Common materials machined include: most stainless steels, monels, nitronics, aluminum, copper, brass, Inconel, carbon steel, MP35N, and others.



Product Assembly

Our Product Assembly Services are provided to our customers as a key element in the range of manufacturing capabilities we offer. Improving our customers' supply chain management efficiencies by utilizing our skill, dexterity, and continual dedication to process improvements is another way that Penn United will help you achieve your internal manufacturing objectives.



Automated Equipment

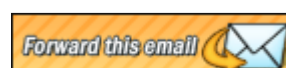
Our Automation Group combines over 37 years of precision manufacturing expertise to create a unique approach to automation. We offer automated in-line processes, turnkey precision assembly systems, automated inspection stations, flexible robotic work cells, and part handling solutions, which will meet and exceed your manufacturing project needs.



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