

## Precision Services for Electronic Connectors

Greetings!

At Penn United, we have been serving the interconnect industry since our inception, providing high-precision total solutions. Our ISO/TS-certified factory is completely committed to your satisfaction.

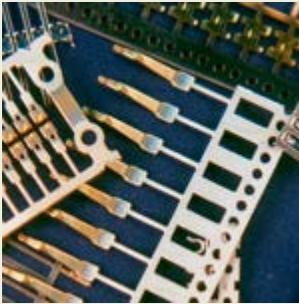
Our "one-stop-shop" services provide you with supply chain simplification and allow for improved control of the overall process for your products.

Our areas of expertise are as follows:

- Prototyping
- Progressive Stamping Dies
- Stamping
- Reel-to-Reel Electroplating
- Automated Assembly Equipment
- Product Assembly

We invite you to contact us with your manufacturing challenges. Penn United will provide you with **world class precision solutions**, helping you **simplify your supply chain issues**.

### Connector Pins and Terminals



For over 37 years, we have been supplying high quality pins and terminals. We can simplify your supply chain by providing any or all of the services you need . . . from prototyping - to - production - to - plating, and even assembly.

### Contact Us

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Cabot, PA 16023  
Ph: 724.352.1507  
Fx: 724.352.4970

[E-mail](#)

### Quick Links

[www.pennunited.com](http://www.pennunited.com)

[Tool & Die Group](#)

[Stamping, Plating & Assembly](#)

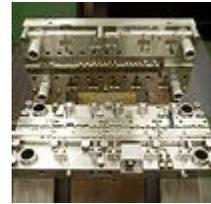
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### Precision Dies & Stamping

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.



### Plating

Whether your application entails low or high volumes, our reel-to-reel plating lines are flexible and can accommodate many different components. Options include selective stripe, spray, controlled depth, brush and overall plating. Finishes include copper, nickel, pure palladium, palladium nickel, gold, tin, various tin/lead alloys, and lead free RoHS compliant chemistries, including matte and bright finish options. Black oxide rack and barrel and electro-less nickel rack capabilities are also available.



### Assembly

In terms of assembly of your final products, Penn United can provide a full spectrum of services ranging from manual assembly to fully automated solutions. Automation solutions include complete turnkey precision assembly systems, automated inspection stations, flexible work cells, or part handling solutions.

