



Make a great connection, contact us.

419-884-0071

decamanufacturing.com

300 S. Mill Street, Lexington, OH 44904

For over 40 years, we have been in the business of making companies like yours look good. DECA Manufacturing is an ISO certified (since 2003) manufacturer of electronic assemblies and wire harnesses. We provide diverse capabilities to meet your specifications. From prototypes to high-volume production runs, we build high quality solutions and we deliver them on time.

DECA Manufacturing is your one-stop, local source for electronic cable assemblies and wire harnesses. We do the specialized work that can't be automated.

No matter what industry you are in: general manufacturing, automotive, or military, you can count on us for quality work, dependable shipping, and flexibility that meets your timeline, not ours. Since our incorporation in 1976, DECA manufacturing has grown to a multi-million dollar enterprise located in a modern facility in Lexington, Ohio.

As the words behind the acronym DECA imply, Diversified Electronic Cables & Assemblies, diversity describes the range of products and services DECA offers including:

Products

- Cable Assemblies
- Wire Harnesses
- Wire Leads
- Box Builds

Services

- Laser Stripping
- Overmolding
- Hand Soldering
- Potting Services

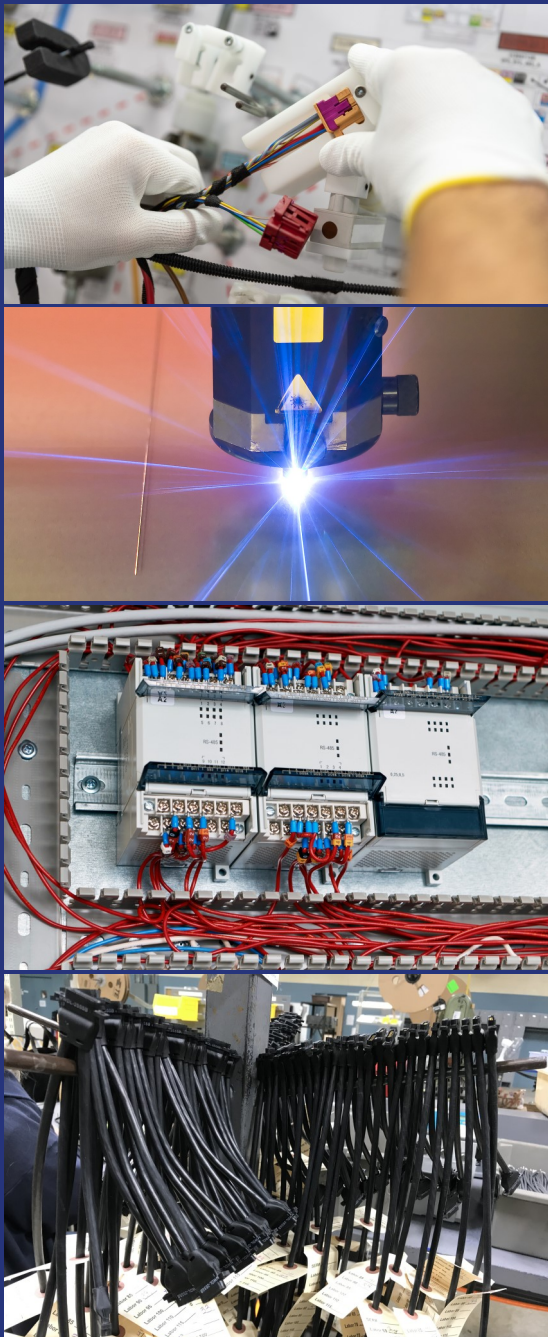
We often combine these services to provide design and prototyping for customized components. Whether working with you to support developmental or production runs; we partner with you so you can focus your company's staff and resources on the elements of your business that provide your best ROI. To make things even easier, we offer validation services, such as PPAP and FAI to provide documentation that the parts produced meet your specifications.

While routinely handling large volume production runs, we also accommodate the smaller volume needs of our valued customers. Our customer base spans a diverse array of industries including:

- Aerospace and Defense
- Automotive: Tier II and recreational vehicles
- Commercial and industrial equipment
- Sensors, appliances, and pumps
- Medical

Our work can be found in a wide variety of products including pumps, motors, guidance systems, electronic control systems, sensors, and appliances.

DECA Manufacturing's goal is to keep your priorities in mind. You are our driving force. We work diligently to maintain our reputation for excellent customer service and quality workmanship combined with white-glove honesty and integrity.





Partner with DECA for your next project

Get started by contacting us:

419-884-0071

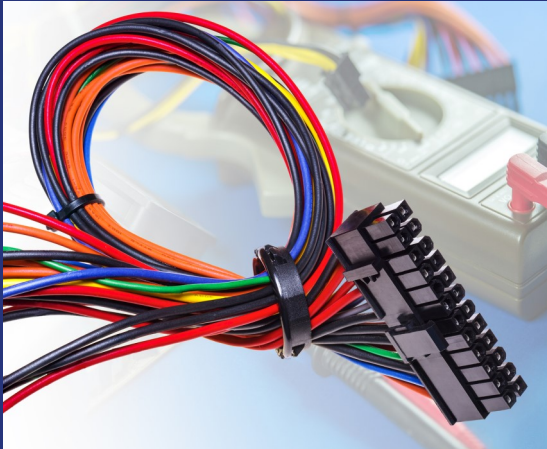
decamanufacturing.com

300 S. Mill Street, Lexington, OH 44904

DECA Manufacturing has the skilled labor to get the job done well. Our technicians use computer-controlled wire cutting and processing machines. We offer laser wire stripping for high gauge materials or where surface imperfections are unacceptable. We have semi-automatic bench presses which handle all major brands of connectors including:

- AMP
- Benchmaster
- Deutsch
- Essex
- Molex
- Packard Electric

DECA has in-house overmolding and potting services to make your products more attractive and durable.



Working with DECA

To fabricate your components we require:

- Approved vendor list (AVL)
- Bill of materials (BOM)
- Prints, drawings, or schematics

Testing and Quality Control

100% of the products we make are inspected for quality. Whenever applicable, we use Cirris Systems for continuity testing to ensure sure that finished pieces function *and* meet specifications. We offer these additional test services:

- **PPAP (Production Part Approval Process):** test and approve designs before, during, and after production
- **Cross-sectioning:** allows technicians to gain access to the internal structure of a part, its materials, and design to identify defects not findable with other testing methods
- **Pull Testing:** determine the maximum tensile strength of the material of finished products and ensure connection durability under stress
- **FAI Testing:** validate that parts meet required specifications and function as needed
- **Hi-Pot (High Potential, High Voltage):** check for good isolation i.e., no leakage of electrical current between different points
- **Continuity Testing:** confirm that electrical circuits are complete
- **Crimp Force Monitoring:** ensure build consistency

