About CFI

Partnership – It’s as Simple As That
When Kevin Christie and Annie Patrick founded CFI in 1991, it was founded on one singular philosophy – to treat our partners as family, not as mere customers. CFI is a family business with three generations of blood flowing through it. What started as a revolutionary idea for one component and a single OEM expanded into an international enterprise serving all OEM industries around the globe.

Partnership is at the core of everything the Components For Industry team works to achieve each and every day. CFI, with our innovative “Vendor Base of One” concept, is able to analyze our partners’ parts, usage and prices for improved methods of procurement and material selection.

Through CFI’s expertise of materials and logistics, we are able to simultaneously improve the quality of our client’s components while lowering their costs. Vendor Base of One is the bedrock of our partnerships – but it’s the unparalleled level of service that keeps CFI working in collaboration with our partners for years or even decades.
Technological Expertise

CFI has several innovative solutions for component manufacturing including our Qualiforming© Cold Form Isolation Technology process. This process, developed by our CEO and founder Kevin Christie was specifically created for the automotive industry. This cold forming process attains screw machine-like quality while saving automotive OEMs cost and delays that come with that process. Qualiforming© isn’t the only weapon in CFI’s arsenal. Our C-Coat system was specifically created to provide parts that are corrosion resistant, oil free and have an additive that increases weld strength by up to four times as much as our competitors’ coatings. This coating can be applied to several different types of components and materials including: weld nuts, weld screws, steel, plates, and other materials.

Components For Industry has over two decades of experience putting our customers’ needs over our own. We believe that relationships are central to business, because while we offer high tech products and can create components for any need or specification, it’s the partnerships that sets CFI apart.

Logistics

CFI’s World Headquarters is based in Mundelein, IL with global distribution centers strategically located across the United States, Europe and Asia. Our unique logistics services range from stocking onsite, at one of CFI’s existing locations, to opening a distribution center in your area.

We customize all logistics to our customers’ needs.
A Fastener, simply defined, is a device to affix two or more items together and can include a myriad of items. CFI is capable of designing and producing fasteners in several materials including metals and plastics. We can design and create these Fasteners to meet any need or specification. The Fasteners we regularly produce include, but are not limited to:

**Parts**
- Machine Screws
- Nuts
- Bolts
- Collar and Full Thread Studs
- Conical, Flat, Serrated & Split Washers
- Sems
- Solid and Split Pins
- Solid and Semi Tubular Rivets
- Cap Screws
- Set Screws
- Tapping Screws
- Socket Products
- Clamps
- Cable Ties

**Materials**
- All Grades of Steel
- Brass
- Copper
- Stainless Steel
- Inconel®
- Titanium
- Monel®
- Silicon Bronze
- Aluminum
- Nylon
- Exotics
Cold Forming is a high-speed production process utilizing blank round wire and intricate tooling. CFI has designed its Qualiform® process to streamline the cold forming process, changing it from high-cost, expensive machining to a cost-efficient alternative. Through our own Qualiform® production process, CFI can cold form parts at speeds that few of our competitors can match, while maintaining quality control standards. Some representative products include, but are not limited to:

**Parts**
- Multi Step Screws
- Large Nuts
- Specialty Bolts
- Standoffs
- Shafts
- Intricate Headed and Non-Headed Pins
- Collars
- Bushings
- Non-Threaded Products

**Materials**
- All Grades of Steel
- Brass
- Copper
- Stainless Steel
- Inconel®
- Monel®
- Silicon Bronze
- Aluminum
- Exotics

CFI is your Worldwide Component Specialist providing custom designed products to standard off-the-shelf components.
Stamping

Stamping is the process of taking flat material stock and pressing it via tool(s) to achieve a net shape. CFI provides a multitude of Stamping Operations including: Hand Transfer, Progressive Die, Compound Die, and Turret Press in 40 to 800 ton press capacity. We provide numerous Short and Long Run options as well as Prototyping services. Some Stamping products that CFI provides include, but are not limited to:

**Parts**
- Washers
- Retainers
- Clips
- Brackets

**Materials**
- All Grades of Steel
- Brass
- Copper
- Stainless Steel
- Inconel®
- Titanium
- Monel®
- Silicon Bronze
- Aluminum
- Nylon
- Exotics
A Spring, simply defined, is an elastic part used to store energy/force. Some are designed for tension and some are designed for compression tension. As your link to global manufacturing, CFI is proud to supply a wide variety of Springs.

CFI can create custom Springs for any application from materials that can serve multiple industries, using standard to exotic metals.

**Parts**
- Helical
- Flat Springs
- Compression Springs
- Tension/Extension Springs
- Torsion Springs
- Volute Springs
- Constant Force
- Wave Spring
- Variable Force
- Custom Design

**Materials**
- All Grades of Steel
- Copper
- Stainless Steel
- Phosphor Bronze
- Titanium
- Beryllium Copper
- Exotics

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Wire Forms

Wire Forms can be made from Round, Rectangular or Square material stock. CFI’s diameter ranges from .004-.625. Based on complexity, we can go to larger diameters. Wire Forms serve a diverse range of industries from Automotive and Appliance to Medical and Aerospace. Products include, but are not limited to:

Parts
- Cotter Pins
- Hitch Pins
- S Hooks
- Clips
- J Bolts
- U Bolts
- Screw Eyes
- Handles
- Latches
- Threaded and Non-Threaded Options
- Custom Designs

Materials
- All Grades of Steel
- Brass
- Copper
- Stainless Steel
- Inconel®
- Titanium
- Monel®
- Silicon Bronze
- Aluminum
- Exotics
Casting/Powder Metal

Casting is a process utilizing a liquid material poured into a mold to achieve a desired shape. While the process itself has been used for over 5,000 years, CFI's precision Casting processes ensures a level of quality control that our customers demand. Some of the Casting methods that CFI provides include: Die, Sand, Gravity/Permanent Mold, Investment, Centrifugal and Lost-Foam.

Conversely, the Powder Metal process consists of blending a powder material, compacting it into a die and then sintering (high heat bonding) it. Both methods offer an alternative to expensive machining and can hold close tolerances. Both processes minimize or eliminate material loss common with machining and have controllable porosity characteristics. Both methods serve industries from large fluid motion control to delicate medical parts and can include a myriad of items including, but not limited to:

**Parts**
- Flanges
- Automotive Parts
- Industrial Valves
- Fluid Motion Apparatus
- Electrical Applications
- Gears
- Bushings
- Spacers
- Structural Parts
- Fittings
- Bearings
- Cams
- Sprockets
- Complex Designs

**Materials**
- Iron
- Brass
- Copper
- Steel
- Titanium
- Alloys
- Silicon Bronze
- Aluminum
- Exotics

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Machining

Machining includes a variety of processes meant to take a piece of raw material, such as bar stock, and reach a desired shape via multiple material removal processes. These removal processes include: Turning, Milling, Drilling, Broaching and Boring.

Some of the methods of Machining that CFI provides include: CNC, Davenport, Multi-Spindle, Brown & Sharpe and Swiss. Machining serves all industries and parts are made custom to your drawings and unique specifications. Materials commonly worked with include, but are not limited to the following:

**Materials**

- All Grades of Steel
- Brass
- Copper
- Stainless Steel
- Inconel®
- Titanium
- Monel®
- Silicon Bronze
- Aluminum
- Nylon
- Exotics
CFI, through various state-of-the-art manufacturing processes can provide a vast array of standard and special nonmetallic products for use in a range of applications including Industrial, Aerospace, Automotive, Appliance, Medical, and more. CFI is capable of precision manufacturing processes including Injection Molding, Precision Machining and Stamping. Through these processes, we can provide a variety of products including, but not limited to:

**Parts**
- Machine Screws
- Nuts
- Bolts
- Nut Covers
- Collar and Full Thread Studs
- Washers
- Gaskets
- Rivets
- Bushings
- Cap Screws
- Set Screws
- Housings
- Socket Products
- Cap Plugs
- Cable Ties
- Christmas Tree Fasteners
- Push Fasteners
- Strain Reliefs
- Insulators

**Materials**
- Nylon
- Thermoplastics
- Fish Paper
- Cork
- Fiber
- Rubber
- Neoprene
- Fiberglass
- Phenolic
- Polyethylene
- PTFE
- Ceramic
- PVC
- Acetal

CFI is your Worldwide Component Specialist providing custom designed products to standard off-the-shelf components.
Assemblies

CFI utilizes its offshore contract strengths to provide our customers with the most cost-efficient and effective methods of bringing their products to market. We provide standard and special bulk products, and sub and full assembly services based on your unique specifications. These valuable services help improve cash flow and provide the benefits of JIT management such as reductions of inventory on bulk production, floor space and labor costs. Some services CFI provides include, but are not limited to:

**Services**
- Full Assemblies
- Sub-Assemblies
- Specialized/Custom Packaging
- Labeling
- Printing
- Instruction Inserts

**Materials**
- Any and All Materials and Material Combinations
Components For Industry provides a wide range of services for its client-partners in addition to our normal component services. Your needs are our needs and our engineers will put their expertise to work for you.

In addition to our primary component engineering and production services, we can provide our partners with a wide variety of secondary services. Whether your company is in Automotive, Aerospace, Appliance, or any other industrial application, CFI can provide the following services and many more:

- Optical Sorting
- Roll Sorting
- Electronic Sorting
- Hand Sorting
- Bar Coding
- Poly Bagging
- Blister Packaging
- Part Cleaning
- Metal Finishing
- Heat Treating
- Locking Elements
- Drilling & Tapping
- Shaving
- Milling
- Logistics Programs - On & Off-Site
- Product Marking
- Marketing Assistance

CFI is your Worldwide Component Specialist providing custom designed products to standard off-the-shelf components.
CFI has over a century of combined component engineering experience within its staff. Our component engineers have the qualifications including metallurgy, plastics, part modelling, cost expertise, and more. If you need a component built to spec, CFI’s team of engineers can do it right the first time. Our engineers can design parts for Aerospace, Automotive, Appliance or any other industry.

CFI can create the perfect component for your company no matter the part, material, industry or price constraint.

Reengineering Services
We also offer reengineering services for existing components in order to optimize them for cost, material strength, corrosion standards and more. If you need your part to be stronger, larger, smaller, or more cost effective, our engineers will find innovative ways to meet your specific needs.
Quality Assurance means just as much to CFI as it does to our customers. Therefore we provide world class QC service on all products. Components For Industry prides itself on its adherence to strict, established in-house quality guidelines and ISO procedures.

Unlike our competitors, CFI’s Quality Assurance process does not end after the inspection process. We offer continued maintenance of part history profiles, related correspondence, and quality inspection levels to guarantee that the proper products reach your production line on-time, every time.

In addition to our utilization of outside inspection services and vendor audits, CFI cross checks information with its own in-house quality control lab. Reports available include: ISIR (Initial Sample Inspection Reports), PPAP, Chemical Composition, Metallurgical Analysis, and specialized test reports made available upon request. We feel that the CFI quality check and balance system keeps materials flowing at the highest level of quality.

CFI has spared no expense employing state-of-the-art QC equipment and an experienced staff tasked only with the quality of your products and materials. Contact us at (847) 918-0333 for more information about our Quality Assurance services.