

# CUSTOM FLUID CONVEYANCE PRODUCTS

Custom hoses and tubes offer an advantage over standard products as these can be fabricated to the exact specifications required by the application. This will assure the right fit, avoid unnecessary bends and folds, improve performance and extend the life of the product. With our extensive list of features, we are positioned to meet the demanding environmental conditions seen by hoses and tubes in a wide range of industries.

Our experience in both design and in-house manufacturing will assure the right product at the highest quality.

**Flow**  **Products**

## SERVICE LEVELS

Our dedication to market leading service levels is always evolving. We work to meet all your requirements and strive to provide additional services that enhance the purchasing experience. We offer the following services:

- Market leading delivery
- Fast quote turn around
- In-house high pressure testing
- Material Certifications
- Certificate of compliance
- Warranty
- Custom label and packaging
- Kitting or bundling
- Dedicated inventory management
- Smaller lot sizes

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[FlowProd.com](http://FlowProd.com)



**Flow**  **Products**



Flow Products, Inc. has over sixty years as a leading hydraulics, pneumatics and electro-mechanical products distributor and systems expert. Our IFPS (International Fluid Power Society) certified fluid power specialists can provide custom designs for hydraulic and pneumatic applications with the focus on meeting customer specifications, providing top quality products and improving system performance.

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**CUSTOM FLUID CONVEYANCE PRODUCTS**

## CUSTOM HOSES

Efficient fluid conveyance systems rely on having the exact hose for the specific application. We know every situation requires a careful review of the requirements and proper selection of the materials, construction and fittings in order to perform as required. This is especially critical in MRO cases, where high quality and product reliability play a critical role in performance. Flow Products has the experience, equipment and quality control systems required to meet these needs.

Our list of features have been developed to meet the most demanding custom application requirements in a wide range of industries. Our features include:

### FEATURES:

- Hose diameters: 1/8" ID to 3" ID
- Materials: rubber, fluoropolymer, thermoplastic, nylon, SST braiding
- Lengths: cut to length, spools
- Fitting styles: ORS, JIC, SAE, NPT, metric, DIN, JIS
- Heat resistant shielding
- Abrasion resistant sleeves
- Industry specific hose
- Wire re-enforced
- Industry certification: DOT, CGA, MIL/DOD, FDA, DIN, SAE, UL



### WORK CELL EQUIPMENT:

We have dedicated work cells complete with state of the art automated and semi-automated equipment with in-process inspection procedures. This assures high quality custom hoses, adherence to application requirements and timely deliveries, all designed to meet our customer's needs.



Finn-Power – CM91  
Semi-Automated  
Hose Cutter



UniFlex – EM-115.4  
Semi-Automated  
Hose Cutter



UniFlex – HM325  
Semi-Automated  
Hose Crimper



Markem – 500-S  
Automated  
Hose Cutter

## CUSTOM TUBE BEND FABRICATION

For special applications that are exposed to extreme conditions such as high temperatures, high pressures and a high abrasive environment, rubber or polymeric hoses will not perform. For these applications, metal tubes are the material of choice as these offer durability, reliability and long life.

Flow Products has been making custom tubes for over sixty years in many configurations and for a wide range of industries and applications. We have the experience to meet most application and excel in customer service.

Based on our broad application experience, we have compiled a set of features that allow for the right selection of product for the specific application. This assures high quality and reliable product performance.

### FEATURES:

- Available material sizes: 1/8" OD to 2.5" OD
- Materials: Carbon steel, stainless steel, copper
- Flexible SST braided hose
- Treatments: NI plating, painting, epoxy coating, passivation, degreasing, cleaning
- Brazing capability
- Available ends: compression, flared, flanged



### WORK CELL EQUIPMENT:

In our tube fabrication department, we have three cells arranged for specific operations. The cells include semi-automated equipment, manual systems for smaller runs and OD's and a programmable, semi-automated bending machine for the larger OD tubes. The cells are designed for quick set-up, in-process inspection and testing. This approach provides high quality tubes with repeatable results – each tube meets the specifications and application requirements as called out on the customer print. We are focused on providing the highest quality and best delivery for all our custom tube fabricated products.



HMT  
Custom Rotary Draw  
Tube Bending Machine

**CALL TODAY TO SPEAK WITH ONE OF OUR ENGINEERS AND LET US HELP YOU DESIGN THE RIGHT PRODUCT FOR YOUR APPLICATION**

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