

Custom Tubing

TUBING FOR
LIFE SCIENCES,
MEDICAL DEVICES,
WATER TESTING &
SEMICONDUCTOR
APPLICATIONS



IDEX Health & Science Tubing Capabilities

Exceed Your Design Requirements by Utilizing Custom Tubing

When it comes to high-precision tubing, our manufacturing team is fully equipped to construct to your exact specifications, saving you time and complexity. We extrude, cut and form, test, and label every piece, so you receive a single assembly that's ready to integrate directly into your system.

We specialize in rapid, full-service custom-manufacturing support for OEM and End-User customers.

Markets We Serve



OUR AREAS OF EXPERTISE INCLUDE:



Extrusion



Machining



LEADING MANUFACTURER SINCE 1975

Since 1975, we have been the leading manufacturer of fittings, tubing, and accessories.



COMPREHENSIVE CAPABILITIES

Our manufacturing facility delivers a comprehensive line of products, team of experts, and innovative engineering capabilities.



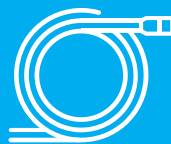
ISO 9001 CERTIFIED



Formed
Stainless Steel
Tubing



Formed
Polymer
Tubing



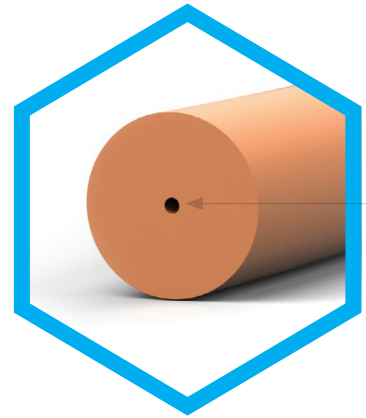
Kitting,
Custom Packaging
& Labeling



Product Design,
Testing &
Prototyping

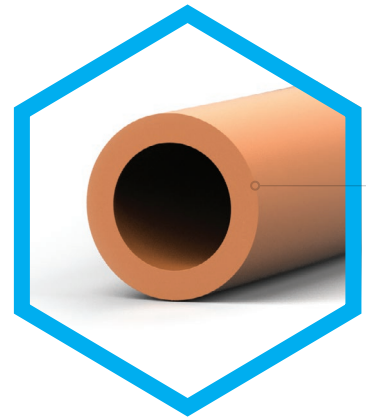
Our Tubing is Available in a Variety of Dimensions, Materials, and Colors

Dimensions



INNER DIAMETERS (IDs)

Down to 0.001"



OUTER DIAMETERS (ODs)

Up to 0.400"

Colors



Additional colors, materials,
and custom blending are
available upon request.

**CONTACT US TO
LEARN MORE**

Extremely Small Tolerances & Extrusion Capabilities

Our proprietary extrusion process ensures tight tolerances and consistency. We utilize online gauging and realtime SPC data to ensure precision and dependability.

- › Tolerances down to +/-0.0005"
- › Custom extrusion runs available for non-stocked sizes
- › Vertically integrated in-house extrusion and post-processing
- › Bulk and custom-cut lengths available
- › Standard sizes as well as many custom sizes in stock
- › Consistent higher quality surface finishes

Materials

TEFLON® BRAND RESIN



PEEK



PPSU



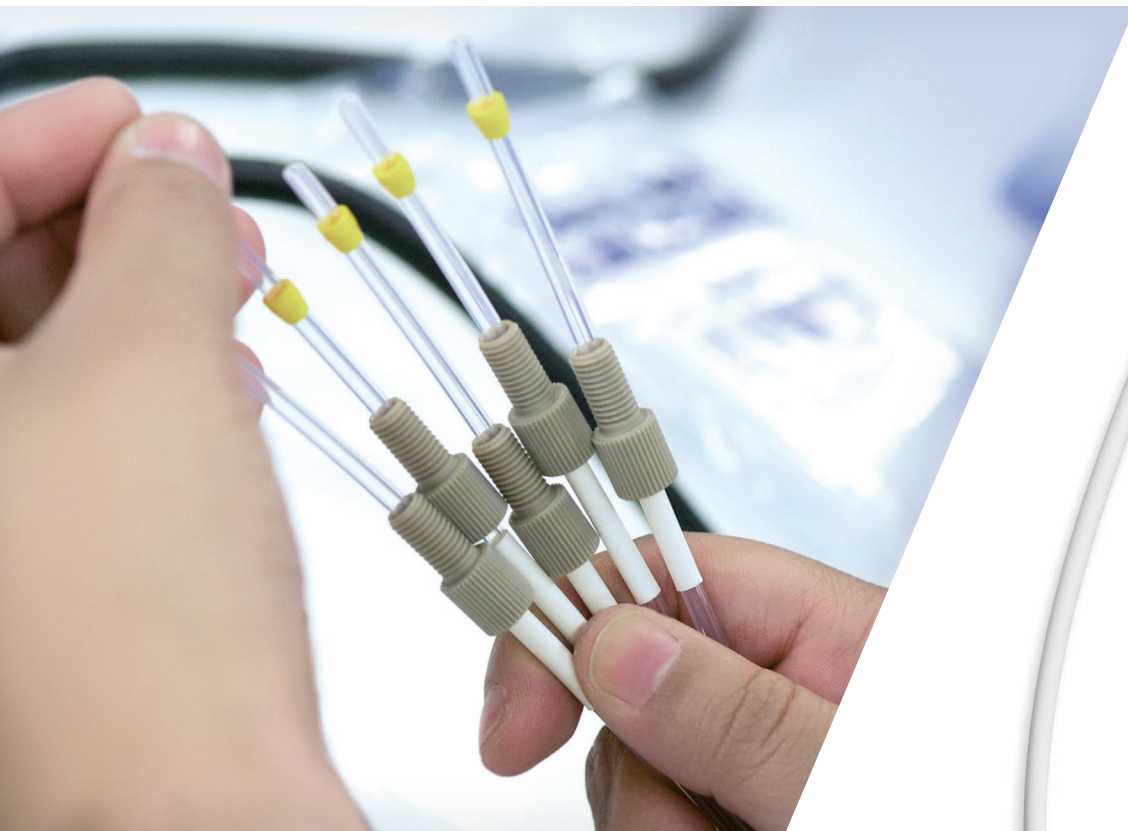
OTHER

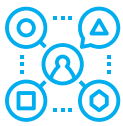
Plus, other fluoropolymer resins including PVDF and ECTFE

Tubing Assemblies

Streamline Your System Manufacturing with Custom Tubing Assemblies

We are the premier provider of intelligently engineered tubing assemblies for a wide range of applications that require precise control and measurement. Our tubing assemblies are built for quality, consistency, and longevity so you can focus on your process or assay right from the start, while we take care of connecting your components.





Capabilities

- › Wide range of conventional fitting choices
- › In-house extruded polymer tubing
- › Stainless steel tubing cutting and 3D bending
- › Tube thermoforming
- › Component customization
- › Identification coding
- › Packaging, labeling, and kitting



Design

- › Support for assessing capabilities
- › Choosing the right components
- › Cost optimization
- › Minimize time to market
- › Supply chain involvement early in the process



Development

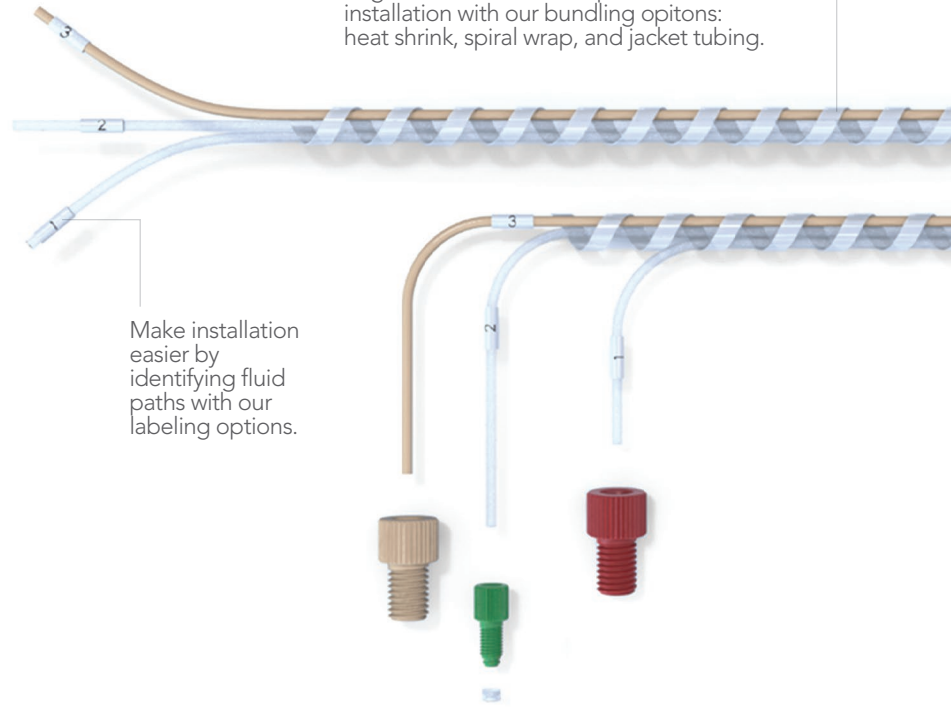
- › Prototypes for evaluation
- › First article inspection
- › Intuitive service kits to meet the needs of your service team
- › Custom labeling to ensure the proper identification of product
- › Testing to ensure specifications are met



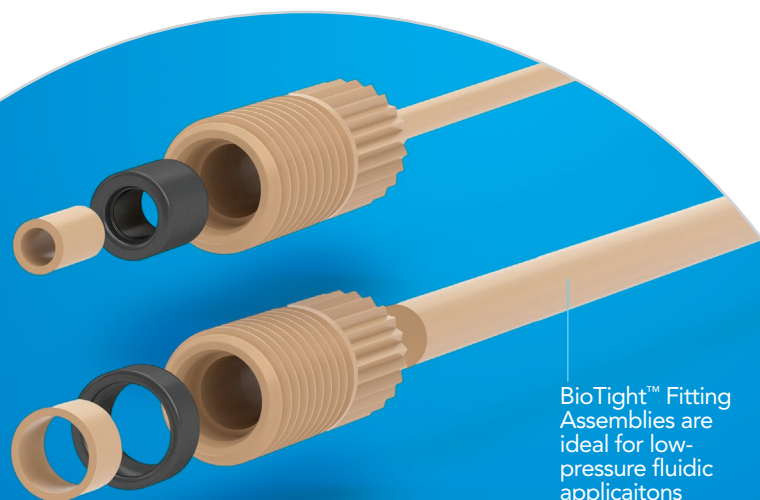
Manufacturing

- › Simplify the assembly process
- › Scalability with product launch ramp
- › Manage revision changes during continuous improvement

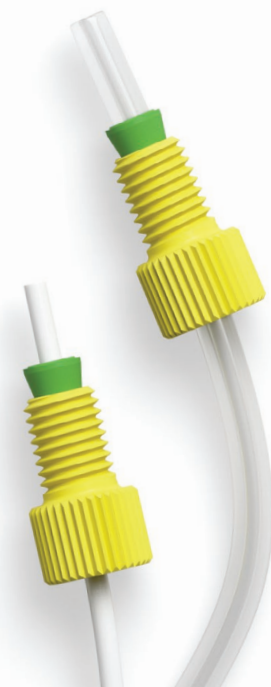
Organize fluid lines and speed installation with our bundling options: heat shrink, spiral wrap, and jacket tubing.



Make installation easier by identifying fluid paths with our labeling options.



BioTight™ Fitting Assemblies are ideal for low-pressure fluidic applications



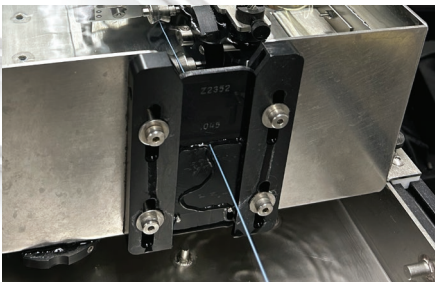
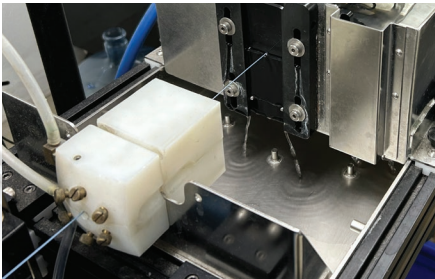
Product Design & Testing

Our Tubing and Connections Meet the Highest Level of Quality and Margin of Safety

From expertise with extremely small tolerances, real-time monitoring of computer data, and statistical processes, our experts ensure our tubing and connections meet the highest level of quality and margin of safety, so you can have peace of mind when using our products.

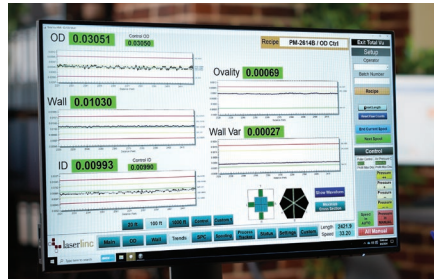
Online Gauging with Real-Time Monitoring

We utilize an ultrasonic wall gauge to inspect and verify dimensions to ensure precise measurements.



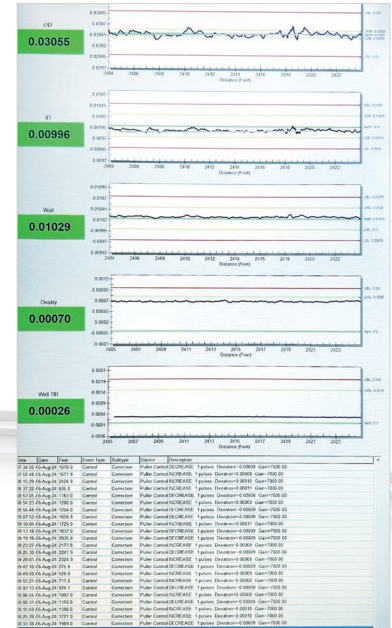
Online Display for Dimension Monitoring

We compile computer data to monitor and validate Outer Diameter (OD), Wall Thickness, and Inner Diameter (ID).



Statistical Process Control (SPC)

We apply the SPC method of quality control to monitor and manage processes to ensure efficiency.



Our Cutting-Edge Product Design & Testing Capabilities Ensure Long-Life & Reliability



Computational Fluid Dynamics (CFD)



Pressure testing up to 2,500 bar



FEA



Product life testing



HPLC



Tensile testing



Thermal and humidity testing



Micro surface finish measurement

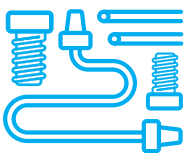


ENSURING QUALITY & SAFETY

Expert inspection for the highest quality tubing and connections.

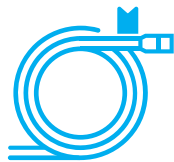
Value Added Capabilities

From Customized Labeling to Customized Packaging We Can Tailor Your Tubing and Assemblies into Kits to Sell Directly to End-Users or Fit as a Kit for Your Intended Use



Kitting

We provide kitting options for tubing assemblies that can be used with IDEX Health & Science labeling or customized with your third-party content.



Custom Labeling & Packaging

Our products can be packaged and labeled with customer-specified part numbers, logos, barcodes, and more.



Documentation

We generate build documentation for your entire assembly and can provide documentation for any step of the process.

Tubing Resources



Tubing Materials Guide

Find the best tubing for your project.

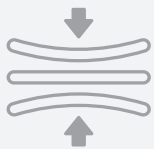
DOWNLOAD:
[idex-hs.com/materials](https://www.idex-hs.com/materials)



Tubing Web Page

Connect with a tubing expert to learn more and get started.

VISIT:
[idex-hs.com/tubing-capabilities](https://www.idex-hs.com/tubing-capabilities)



Tubing Testing

Learn more about our tubing process and testing capabilities.

VISIT:
[idex-hs.com/tubing-testing](https://www.idex-hs.com/tubing-testing)

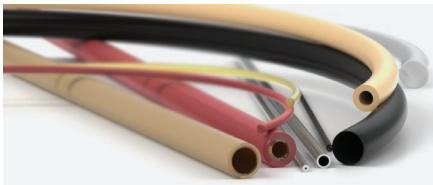


Connections Products & Capabilities

Learn the benefits of our connections.

VISIT:
[idex-hs.com/connections](https://www.idex-hs.com/connections)

Our Full Line of Connections



TUBING

Polymer, Fused Silica, PEEKsil™, Peristaltic & Stainless Steel

[idex-hs.com/shop-tubing](https://www.idex-hs.com/shop-tubing)



TUBING ASSEMBLIES

[idex-hs.com/tubing-assemblies](https://www.idex-hs.com/tubing-assemblies)



FITTINGS

Low- and High-Pressure Fittings & Connection Systems

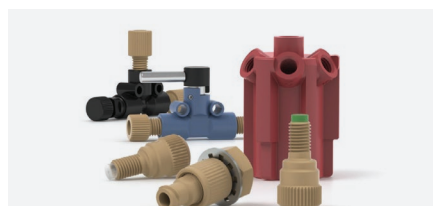
[idex-hs.com/shop-fittings](https://www.idex-hs.com/shop-fittings)



CONNECTORS

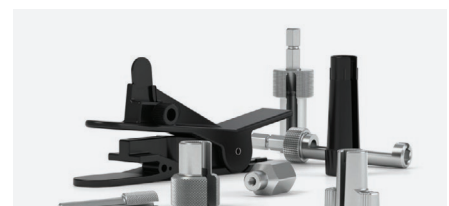
Unions & Adapters

[idex-hs.com/shop-connectors](https://www.idex-hs.com/shop-connectors)



FLOW CONTROL

[idex-hs.com/shop-flow-control](https://www.idex-hs.com/shop-flow-control)



TOOLS

Tubing Cutters, Extender Tools, Torque Wrenches & Accessories

[idex-hs.com/shop-tools](https://www.idex-hs.com/shop-tools)



Tubing Configurator

View our tubing configurator which includes sizes, materials, and colors to help you select the right tube for your application.

VISIT:
[idex-hs.com/tubing-configurator](https://www.idex-hs.com/tubing-configurator)