



**CONTROLLING
PRESSURE & VACUUM**

Technical

Bespoke

Advice

Solutions

Design

Competence

Expertise

Quality

Reliable

Ambitious

Friendly

Committed

Helpful





Introduction

FTI was formed in 2000 and is one of the UK's premier suppliers of instrumentation products. The company continues to grow and develop attributed to the quality of our products, technical expertise, our friendly and flexible approach and exceptional levels of customer service. We work hard to look after and work in partnership with all our customers and make the environment a happy and exciting place for our employees.



Price

We strive to offer the best all round value for money by being a low maintenance, high value, multi product supply partner that is continually seeking cost down customer benefits.

I work with hundreds of suppliers and FTI are in my top 5 due to their professionalism, short lead times, technical response, doing what they say they are going to do and providing what we want.
Design Engineer – Lubricant Manufacturer



Quality

We offer a wide range of high quality products which we are continually looking to improve by measuring and benchmarking the quality of our suppliers.



Delivery

We keep our promises and project manage to key milestones, measuring our own delivery performance as well as that of our suppliers.

I used FTI as a PHD student, appreciated their technical support on a very small amount of business; now I am in industry FTI are the obvious choice.
Chief Development Manager – Fuel Cell Technology



Range

Comprehensive! We can help to reduce your inventory, lead time and cycle time. Our manufacturing abilities offer high value engineering solutions.



We Really Do Care

We care about our business and our customers and are always very helpful and friendly. Through the KPI management of our systems we aim to exceed not just meet our customer expectations.

Our Mission

To deliver top quality products, technical expertise and customer service in order to achieve total customer satisfaction by providing a best value supply package.

Your team are helpful and I know I can rely on quick replies.

Overall a fantastic company to work with.

Procurement Manager – OEM Thin Film Deposition Equipment



Quality & Business Management

We have been assessed and certified as meeting the requirements of ISO 9001:2015 for the following activities; Manufacture and supply of pressure and vacuum equipment, bespoke electromechanical assemblies, machined and welded components and distribution of instrumentation products for gas and fluid control together with related training services.

We have also adopted many of the good practices associated with ISO 13485 for Manufacture of Medical Devices, learned through the manufacture of nitric oxide regulator assemblies for critically ill babies, and rolled them into our industrial manufacturing.

We manage and constantly review the business using Key Performance Indicators (KPI's), using this information to aid our continual improvement culture.



Products

All of our products are chosen to match the high demands of our customers. We work closely with our suppliers to ensure we can deliver what is required, when it is required and at a competitive price.

FTI started supplying us with just a few fittings, now they play a major role in our supply chain providing a range of components and manufactured assemblies, culminating in them winning prestigious supplier of the year awards in 2010 and 2012.

Strategic Buyer – Analytical Equipment Manufacturer



Stock & Deliveries

We hold a large core range of stock available for next day delivery. If we cannot meet your immediate requirements we will always work hard to investigate viable alternative solutions.



Training

We offer training courses that are based around the Ham-Let range of twin ferrule valves and fittings, covering tube selection and preparation, installation of tube fittings, different thread forms – identification and sealing, high purity fittings, interchange and intermix, tube bending theory and practical.

We also cover an introduction to valves.





Ham-Let Twin Ferrule Let-Lok Compression Fittings

Available in stainless steel and brass and in both metric and imperial sizes. Designed as fit, form and function alternative to Swagelok® fittings. Designed for high pressure systems



Ham-Let High Purity Fittings

HTC orbital weld and metal gasket face seal products for use in high purity applications in markets such as pharmaceutical and semi-conductor. Equivalent to the Swagelok® VCR® range.



Ham-Let Pipeline Fittings

Range of versatile precision instrument pipe fittings that work in conjunction with the Let-Lok range for applications such as reducing and changing thread forms and sizes.



Ham-Let Quick Release Connections

Range of quick release couplings in both single end shut off (SESO) and double end shut off (DESO). Again fully compatible with the Swagelok® equivalents, (QC Range). Designed for maximum working pressure of 206 bar.



Ham-Let Ultra High Vacuum Fittings

Finger tight assembly vacuum fittings with knurled nut, designed for easy removal and repositioning within a system. Helium leak tested to 4×10^{-9} ATM.cc/sec.



Ham-Let Ball Valves

Range of one, two and three piece ball valves for use on systems up to 410 bar. Choice of end couplings, packing, seats and seal to suit most applications. A range of three-way valves are also available.



Ham-Let Needle, Toggle & Metering Valves

Range of valves to suit most instrumentation applications including high pressure & severe service needle valves, compact toggle valves and fine control metering valves.



Ham-Let Check, Relief & Excess Flow Valves

General purpose and high pressure check valves with wide range of cracking pressures. Relief valves can be factory set and supplied with CE certification if required. Excess flow valves offer excellent safety shut off.

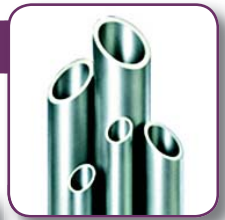


Ham-Let Filters

T-type or inline filters are ideal for inline maintenance and protection. Range of sintered stainless steel filters from 0.5 to 440 micron. Stainless steel version maximum working pressure of 6000 psi.

Sandvik® Stainless Steel Tube

Wide range of European milled metric and imperial Sandvik® tube, manufactured to ASTM A269 – 316L. Available in 3 or 6mtr lengths. We can also supply oxygen cleaned and electro-polished tube.



Tube, Clamps & Associated Products

Other types of tube include copper, nylon, PFA, PTFE and PVC. Clamps are available with twin and single jaws, with standard & extended weld plates and both mild and stainless steel. Cushion clamps are also available.



Brass, Stainless & High Purity Gas Regulators

Full and comprehensive range of gas regulators including standard bottle regulators, analyser, point of use, laboratory, heated, back pressure, high flow, high pressure, mini, hydraulic, piston sensed and high purity.



Flexible Metal Hoses

Wide range of hoses for use in high pressure or vacuum applications. Choice of length, pressure, carried medium, tethered gas hoses and end connections. Cleaning service for oxygen use available.



Flowmeters

Supply UK manufactured variable area flowmeters from company with ISO and calibration standards. Various size and mounting options are available that give an instantaneous flow rate of the required liquid or gas.



BS, DIN & CGA Bottle Connectors

Full range of BS341, DIN 477 and CGA bottle connectors, including body, seals and nuts. Most are available, where applicable in both brass and stainless steel. Special PIN Index, Nevoc and VCR type ends are also available.



Vacuum Components

KF, ISO and CF range of components including clamps, centering rings, flanges, reducers, flexible bellows, tees, elbows, crosses etc. Also able to build bespoke products such as compression or VCR ended components.



Gauges

Full range of dry and filled gauges with bottom or back entry and choice of pressure and scale etc. Fully stainless and contact alarm gauges are also available as well as panel mount and bezel options.



Pneumatic & Process Products

Wide ranges of pneumatic components from the world leader SMC®. Process ball valves and fittings are available in malleable iron or 3000 psi stainless steel.





Pressure Regulator Gas Control Panels

We offer a broad range of regulator panels including: point of use, single inlet, semi-auto changeover and full auto changeover. We also specialise in working with our customers on the design and manufacture of bespoke panels.



Tube Bending and Preparation

We can prepare, bend and pressure test tube assemblies ranging from a simple 90 degree bend to a far more complex system to suit our customer's requirements.

We predominately work with tube sizes from $\frac{1}{16}$ " through to $\frac{1}{2}$ " (3-12mm) in both stainless steel and copper.



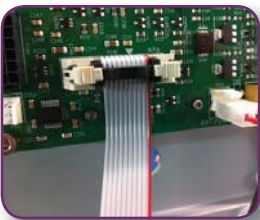
Regulator Assemblies

We build a range of regulator assemblies to suit our customer's requirements. The assemblies can include a combination of: bottle regulator, gas bottle connector, isolation valves and pressure relief valves.



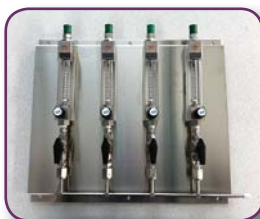
Silver Soldering

We silver solder a variety of precision detailed assemblies including bespoke fittings and tube sizes to as small as $\frac{1}{16}$ ". These assemblies are predominately used within high purity and chromatography applications.



Electro-Mechanical Assembly

We currently work with some of our key customers on complete outsourced electro-mechanical assemblies and sub-assemblies used within gas analyser and medical applications. Using ESD protective equipment and working to our ISO Procedures we also test and certify a fully traceable product.

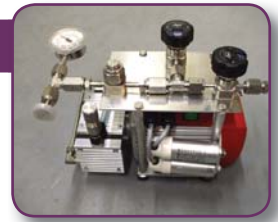


Flowmeter Panels

We manufacture a range of flowmeter panels that complement our gas regulator pressure control panels. These are often used in laboratories where our customers require accurate control of both pressure and flow.

High Purity and Vacuum Assemblies

Using high purity HTC/VCR® ended regulators, fittings, hoses and sub-assemblies we manufacture pressure and vacuum assemblies which can be used with searching or toxic gases in the most testing of environments.



Orbital Welded Assemblies

Orbital welding creates a neat, leak tight, almost un-noticeable joint for customers who are working with toxic gases, mass spectrometry, semi-conductor and nanotech applications. We work with our customers to supply products from a simple mini run to highly complex assemblies.



Special Cleaning

FTI have a standard cleaning process to ensure a product is free of grease and other residue which can be used on individual parts or assemblies. This process has also been approved by some of our customers as "safe for use with oxygen applications".



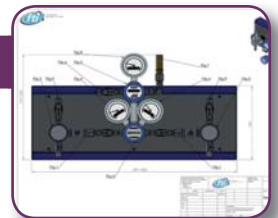
Pressure Testing/Relief Valve Setting

Using calibrated equipment monitored through our ISO procedures FTI can pressure test and certify gas panels, sub-assemblies and relief valves to ensure the products are leak free and set correctly prior to being despatched. Ham-Let can also supply oxygen cleaned fittings direct from the factory on a special order basis.



CAD

We can help with the design of your bespoke panel or assembly and provide a CAD drawing for your approval or to just give you the appreciation of the look and dimensions of the final finished product. FTI use Solid Works 3D modelling.



Special Fittings

We manufacture a broad range of "special" fittings often reducing the requirement of two or more "standard" fittings. Small sub-assemblies save customers both time/capacity issues and help reduce costs. We are also able to supply tube and fittings in exotic metals such as hastalloy.



Market Segments

We have a vast level of experience in the supply of a range of instrumentation products across a broad spectrum of industries and applications.

We have customers within the oil & gas, semi-conductor, process industry, power generation, fuel cell development, chemical manufacturing, pharmaceutical manufacturing, universities and research centre sectors. All of whom have their unique demands for both the quality of product and service that they receive from us.



Oil and Gas



Medical



Analytical and Research



Pharmaceutical and Chemical



Nanotechnology



Semiconductor



Power Generation



Solar Energy



Fuel Cell

Really friendly helpful staff, fast accurate responses, really glad we gave you a go!

Buyer – OEM Air Monitoring Equipment



fti ltd, unit 5, brooklands park, farningham road, crowborough, east sussex, tn6 2jd
t: 01892 669939 f: 01892 669594 e: sales@ftipv.com
www.ftipv.com