



Compressed Air Filters

Pneumatics Components

Compressed Air Treatment

Refrigeration Dryers

Desiccant Dryers

Pipework Systems

Onsite Industrial Gas Generation

Lab Gas Generation

*Service Excellence!*



SUPPLY  
INSTALL  
SERVICE



IATT are a truly Independent Air Treatment Technology company. We offer a wide range of equipment from Compressed Air Filtration, Compressed Air Treatment, Pneumatics Components, Pipework Systems, Condensate Management, Desiccant & Refrigeration Air Dryers to industrial scale Onsite Nitrogen, Oxygen Generation systems and Onsite Laboratory Hydrogen, Nitrogen and Zero Air Gas Generators.

IATT has a solution to solve all kinds of challenges you may face in demanding industrial, process, manufacturing and analytical laboratory applications. With a dedicated team of factory trained engineers strategically located throughout the UK - we have expertise from compressor intake through compressed air treatment systems to point of use equipment and processes.

**Responsive Maintenance** - IATT provide Rapid Responsive Maintenance programmes for your Compressed Air Treatment, Industrial and Laboratory Gas Generation equipment. Our engineers will always ensure to minimise downtime.

**Maintenance Contracts** - IATT offers a range of Maintenance Contracts to cover your Compressed Air Treatment and Gas Generation Systems. UK wide services by our factory trained engineers include spare parts, system function/upgrades and integrity checks.

**Turnkey Projects** - IATT undertake complete Air Treatment and Onsite Gas Generation Systems projects – from selecting the best equipment for your application to installation including energy efficient piping systems, electrical and structural components, commissioning, onward servicing and maintenance, you can rely on IATT for the highest quality service with minimum disruption and downtime.

## From inlet to point of use, IATT...

### SUPPLY

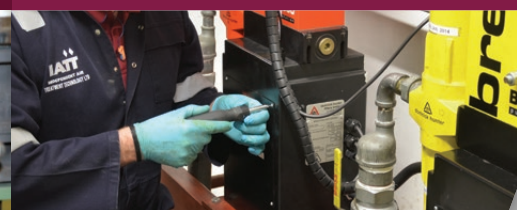
IATT supply a wide array of compressed air treatment products and brands from world leading manufacturers. IATT is proud to offer the very best solutions and new equipment needs to ensure that with correct and timely maintenance they will serve you well into the future.

### INSTALL

IATT supply and install equipment solutions to suit your specification for Compressed Air Filtration, Air and Gas Treatment, Refrigeration Dryers, Desiccant Dryers and Onsite Nitrogen & Oxygen Generation Technology.

### SERVICE

IATT not only supply and install products for Compressed Air Filtration, Air and Gas Treatment, Refrigeration Dryers, Desiccant Dryers and Onsite Nitrogen & Oxygen Generation we also provide Service Plans and Maintenance Contracts.



## Spare Parts

IATT provide a fast one stop shop for all your Air Treatment, Filters, Drains, Water Separators, Breathing Air, Desiccant and Refrigerant Dryers, Gas Generators, Pipework Systems and Pneumatics equipment. We cover all major manufacturers and supply a complete range of original and alternative parts.



## Breathing Air

A full range of breathing air packs and systems from 2 man station to full medical air treatment packages. All equipment is designed and manufactured in line with the latest BS, HTM and European Pharmacopeia standards. All systems can be installed and validated inline with current legislation and have remote and additional alarms for added peace of mind.



## System Validation

IATT offer filter and system validation packages tailored to meet your specific needs covering compatibility, efficiency, integrity, microbiological removal, sterilisation regimes, particulate removal, oil carryover, leaks, pressure differential, flow rate and throughput.



## Compressed Air Pipework Systems

IATT offer an advanced non-corrosive extruded aluminium air piping system that provides structural strength and delivers contaminate free air in a leak free piping system. This smooth bore Energy Efficient Compressed Air Piping System prevents pressure losses and allows or higher flow rates and improved performance than that of plastic systems. No air leakage ensures minimum running costs.



## Pneumatics Components

IATT offer the complete range of Camozzi fluid power Pneumatics Components. As one of the companies dedicated distributors selected for our outstanding product knowledge and expertise in pneumatics, we provide Service Excellence both technically and for delivery. From a vast stock holding of valves, cylinders, filters, regulators, lubricators, fittings and tubing, located in the centre of the UK, IATT provide fast delivery of parts delivered direct to you.



## Gas Mixers, Gas Blenders and Gas Metering Systems

IATT offer the high quality WITT ® range of Gas Mixers, Gas Blenders and Gas Metering Systems for use when two or more gases are required to be mixed. They are ideal for controlling the optimal gas mixture for low and high flow rates especially where there is a highly fluctuating gas demand.



## Gas Analysers

IATT offer the high quality WITT® range of Gas Analysers that are fast, precise and multifunctional. The gas analysers are used as stationary or portable units for sample or continuous gas analysis for almost any gas application.



## Bacteria Testing Information

Micro Testing of Compressed Air ISO 8573-7 should be conducted by the pharmaceutical, medical equipment and food industries.

Microbial contaminants found in the compressor or compressed air lines can be devastating to a final product in these industries. A regular Bacteria Testing program can provide insight to a potential problem long before it brings production to a halt.

Bacteria can spoil products, consume the nutrients, or alter the flavour of medications regardless of their form. Identifying bacterial contamination is the best way to pinpoint the source and therefore find a way to eliminate.

The samples that we take are analysed by an independent laboratory and full results can be sent direct to our customer from there if required.



## Compressed Air Quality Testing

ISO8573-1 (BS EN 12021:2014 Respiratory protective devices) is the international standard for compressed air purity (quality). Introduced in 1991 and now in its third edition, the standard is used extensively to define the quality of compressed air used for a variety of applications in all manner of manufacturing industries.

The standard is split into three test categories, Solid Particulate (ISO8573-4), Water (ISO8573-3) and Oil (ISO8573-2), with each having defined limit classifications of contamination (apart from class 0).

We can test your compressed air, compressed nitrogen or compressed oxygen to ISO8573-1, plus clean room atmosphere particle testing and oxygen atmosphere testing.

A full test report will indicate all the readings taken (compressed gas pressure, ambient temperature, system pressure, oil mist, carbon monoxide, water vapour, dewpoint, oxygen, odour, and particulate) and is issued for each test point. The report will cross reference all the calibrated test equipment serial numbers with the relevant calibration test certificates.



## N2 Laser Cutting

At IATT we supply, install and service N2 systems for lasers.

Service and repair pre-existing systems of all brands.

### WHY?

- Onsite 24/7 N2 production.
- You could be saving every month producing your own N2.
- Enabling high power lasers to cut carbon steels faster and cheaper.
- No oxidation.



# Industrial Scale Onsite Nitrogen, Oxygen Generation Systems

IATT Onsite Nitrogen and Oxygen Generators offer you a less expensive, safe and environmentally sound solution compared to traditional nitrogen gas tank and cylinder gas storage. Onsite generation of gasses is a fraction of the costs of gas cylinders or tanked in supplies.

IATT supply, install and service High Flow Onsite Nitrogen and Oxygen Generators for industrial scale applications including:

- **Food Industry Applications** - packaging, storing and transporting foods products
- **Modified Atmosphere Packaging (MAP)** - for better quality and shelf life.
- **Beverage and Drinks Industry** - production, dispensing and winemaking.
- **Steel and Metals Fabrication** - laser cutting, welding and brazing.
- **Plastics Industry** - injection moulding and blanketing for adhesive curing.
- **Oil & Gas** - off shore platforms, oil extraction, refineries, pipeline drying/inerting/pigging.
- **Electronics Production** - wave soldering and reflow soldering.

They use Membrane or Pressure Swing Adsorption (PSA) gas generation technologies to generate high purity gasses in large volumes from compressed air, safely, efficiently and economically.



*Complete systems from compressor intake to purified gas outlet, designed, supplied, installed and serviced by IATT.*

## Onsite Laboratory Hydrogen, Nitrogen and Zero Air Gas Generators.



**AiroGen®**  
laboratory gas generators

IATT offer a comprehensive service which includes the selection of the correct Laboratory Gas Generator for your analytical needs together with the compressed air supply and pre-treatment required. We offer turnkey projects which provide you with a ready to use system with the minimum of disruption to your laboratory services.



Hydrogen  
**H<sub>2</sub>**

### High Purity Hydrogen Generators And Hydrogen Generators

Using hydrogen as a gas chromatography GC carrier gas increases analysis speed and sensitivity when compared to helium and nitrogen. As H<sub>2</sub> requires lower elution temperatures, when used as a carrier gas it improves column service life.



Nitrogen  
**N<sub>2</sub>**

### Nitrogen Generators – Laboratory and High Flow

Increased laboratory efficiency with a constant and guaranteed flow of instrument grade nitrogen. Use of N<sub>2</sub> improves instrument stability and gives greater reproducibility of results.



Zero Air  
**AIR**

### Zero Air

The low and constant hydrocarbon content of Zero Air helps improve baseline stability of combustion detectors and reduces the frequency of recalibrations.

*IATT supply, install and service the whole system including: compressors, receivers, pipework, electrical controls and onsite gas generators.*

# Compressed Air Filtration

A comprehensive range of compressed air filters that range from 0.5-15000 scfm and grades 0.01-25 micron with oil vapour removal down to 0.003mg/m<sup>3</sup>.

The range includes high efficiency filter housings with pipe sizes ¼" -3" BSP and flanged vessels from DN80 – DN300. They cover from low to high pressures up to 350barg (5000psig).



## Replacement Filter Elements

IATT offer a complete range of compressed air filter elements from all of the main manufacturers. These include:

Compressed Air Filters, Process Filter, Medical/Sterile Air Filters, Vacuum Filters, Autoclave/Vent Filters, Panel Filters, Activated Carbon Filters, Hepa Filters, Bag Filters, Foam Filters / Filter Rolls, Intake Filters and Gas Filters.



## Compressed Air Treatment Equipment

### Condensate Management

Automatic Drains with zero loss and condensate drain with electronic level control for compressed air applications.

### Oil-Water Separation

The IATT range of Oil-Water Separation units offer a uniquely designed filter range, avoiding the problematic weir system most other units employ.

### Carbon Bag Maintenance Kits

We also supply a complete range of original and alternative carbon bag maintenance kits.



## Energy Efficient Compressed Air Drying

### Heatless & Heat Regenerative Dryers

IATT offer a complete range of heatless & heat regenerative dryers suitable for drying air from -20°C to -70°C. All units have purge economy fitted as standard giving significant energy savings as the dryer only operates when the compressor operates, all controlled by an intelligent electronic processor.

### Refrigeration Dryers

Refrigeration Dryers IATT supply are robust, economical and reliable. Using the latest refrigeration and thermal mass refrigeration technologies as well as energy efficient heat exchangers results in a compact simple to use dryer.

### Membrane Dryers

IATT offer a range of Compressed Air Membrane Dryers with pressure dew points (PDP) from +4°C to -40°C.

### Unique Compressed Air Dryer Controllers

The IATTRONIC Dryer Controller, developed and manufactured by Independent Air Treatment Technology Ltd., will transform your existing desiccant dryer and enable it to operate using the latest PLC controller for energy savings, better control and improved reliability.



*Complete Systems from Air Intake to Point of Use*



As part of our commitment to Service Excellence we provide comprehensive Service and Support throughout the UK.

We have expertise from compressor intake, through to your treatment systems right through to your point of use equipment and processes. Our specialists also provide professional independent advice for the selection, supply and installation of new equipment, spare parts as well as plant service and maintenance contracts.

### Independent Approach

We believe that as a truly independent air treatment technology company, IATT will provide you with the very best solution for you and your organisation. Our independence from manufacturers gives us the capability to select the correct equipment for your process without bias.

Ensuring that your compressed air treatment and onsite nitrogen gas generator plant runs efficiently is what IATT do – no matter where your business is situated in the UK, we have highly skilled and experienced factory trained engineers close to you.



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For service & support contact us on:  
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*Service Excellence!*

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### *Service Excellence!*

When it comes to your Onsite Laboratory Gas Generation and Compressed Air and Air Treatment, No matter...

**What you require,  
Where you are in the UK,  
What your problem is,  
Whether you are large or small,  
IATT have a solution for you!**

IATT always provide service that is efficient, effective, economical and equitable – e4 we call it. You might think this is revolutionary – to us at IATT it's standard practice with the added ingredient.

## ENERGY *efficient*

With the cost of energy increasing, IATT always endeavour to select the correct compressed air equipment optimised for your application to ensure that pressure drops are minimal without compromising service life or compressed air and gas quality.

**Service Excellence  
from compressor  
to point of use.**

### What is e4...

Our Service Excellence means to you:



**efficient** - effective without wasting time, effort or expense

**effective** - producing an intended result to ensure your plant is ready for operation

**economical** - using the minimum of time or resources necessary at a cost effective price

**equitable** - fair to all parties as determined by reason and conscience