

Focused on improving
metal fabrication...
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Innovative gases and gas supply solutions = optimum weld and cut quality, productivity and safety standards



In today's competitive business environment, it is crucial that quality and productivity are combined to give your business the edge. Air Products' gases and gas supply solutions are proven to provide the highest weld and cut quality and increase productivity. Our cylinders, microbulk and large bulk gas supplies offer the highest safety standards, and with your health in mind, are carefully assessed to ensure minimum impact on the work environment.

As your business evolves, we have the expertise and technology to ensure you have the most cost effective method of gas supply. Solutions include the full-range of gases, gas mixtures and supply solutions from compressed cylinder gases to large volume gas supply in tanks.



Fabrication technologies

- **Welding** – high performance, easy-to-use shielding gases which deliver quality welds and improved productivity.
- **Cutting** – excellent fuel and assist gas technology to provide precise cuts and high cutting speeds for all processes from oxy-fuel to the latest high-power lasers.
- **Thermal spraying** – high-quality fuel and process gases and unique liquid nitrogen (LIN) cooling technology.
- **Brazing, gouging and other technologies** – gases and expertise for all your fabrication needs.



Air Products' innovations

- **Linx® shielding gases** – our unique range of gases, delivering the best combination of quality, productivity and safety. Achieve more with fewer rejects when welding carbon steel, stainless steel, aluminium or high-performance alloys.
- **High-volume 200 bar cylinder technology** – our compressed gases are available in high-volume 200 bar single cylinders and cylinder packs.
- **BIP® technology** – when dealing with the most reactive materials or sensitive process equipment such as lasers, our patented BIP cylinder technology is the best solution to achieve ultra-low levels of critical impurities.
- **LIN cooling** – our patented cryogenic nitrogen cooling technology which helps you achieve the highest quality thermal spray coatings and reduce manufacturing costs, through improved process efficiency and elimination of waste.
- **CryoEase® Service** – our flexible microbulk on-site mode of supply which combines small tanks and mixers with regular replenishment by tankers directly, provides an efficient alternative to large cylinder, dewar and cylinder pack users.

Technical expertise and comprehensive services to meet your needs





Easy from order to supply

Please contact your local Air Products customer service team to order your products.

If you have bulk or microbulk gas supply, our telemetry systems ensure that your tank is automatically replenished.

Advice that helps your business

Our team of metal fabrication experts will help you optimise your processes and demonstrate how alternative gases could be considered to help bring improvements to your production process.

Product and safety training

We offer a wide range of standard and tailor-made training courses covering the most common fabrication technology, process and safety.

Analytical and audit services

Our engineers will work with you to identify and understand problem areas. Services include leak-detection, gas analysis and process review.

Equipment which meets your needs





Air Products offers solutions from complete turn-key installations to simple cylinder connectors. Our engineers design and commission installations which meet the highest standards in safety and productivity. Our nationwide network is ready to serve your needs anytime.





A complete range of gas supply solutions

Air Products provides a complete range of gas and supply options to match your requirements. We will work with you to choose the most cost effective and convenient method of supply. As the acknowledged leader in safety, you can be confident that your workplace will be using the latest industry standards.

Supply format	Application	Gases available	
<p>Single cylinders</p> 	<p>Cylinders are the flexible and portable solution. All gases and gas mixtures are available in a range of convenient cylinder sizes.</p>	<ul style="list-style-type: none"> ■ Acetylene ■ Argon ■ Carbon Dioxide ■ Helium ■ Hydrogen ■ Nitrogen ■ Oxygen 	<ul style="list-style-type: none"> ■ Shielding gas and other high-performance mixtures
<p>High volume cylinder packs</p> 	<p>Multi-cylinder packs offer a convenient and safe mode of supply for high volume cylinder gas users. Specially designed DNV* certified offshore cylinder packs are available worldwide.</p> <p>* Det Norske Veritas</p>	<ul style="list-style-type: none"> ■ Acetylene ■ Argon ■ Carbon Dioxide ■ Helium ■ Hydrogen ■ Nitrogen ■ Oxygen 	<ul style="list-style-type: none"> ■ Shielding gas and other high-performance mixtures In-house piping available.
<p>CryoEase Service</p> 	<p>A flexible supply mode to replace cylinders, dewars and packs. CryoEase tanks and mixers are small and easy to install. Our one-stop engineering solutions can address to all your needs.</p>	<p>Standard pressure CryoEase Service:</p> <ul style="list-style-type: none"> ■ Argon ■ Carbon Dioxide ■ Nitrogen ■ Oxygen 	<p>One-stop engineering solutions</p> <p>High pressure CryoEase Service:</p> <ul style="list-style-type: none"> ■ Nitrogen
<p>Bulk liquid gases</p> 	<p>On-site bulk tanks are the best option for high volume users.</p> <p>We offer complete turn-key solutions for any application. Our engineers design and commission installations which meet the highest standards.</p> <p>Our telemetry system option monitors your consumption.</p>	<p>Liquid bulk:</p> <ul style="list-style-type: none"> ■ Argon ■ Carbon Dioxide ■ Nitrogen ■ Oxygen <p>High pressure liquid bulk:</p> <ul style="list-style-type: none"> ■ Argon ■ Oxygen ■ Nitrogen 	<p>Other products</p> <ul style="list-style-type: none"> ■ Helium ■ Hydrogen <p>Tanks for single use or on-site mixing of shielding gases and other high-performance mixtures</p>



Air Products brings you
a safe and healthy work
environment

Air Products is a world-leading Industrial Gases company in operation for over 75 years. The Company's core industrial gases business provides atmospheric and process gases and related equipment to manufacturing markets, including refining and petrochemical, metals, electronics, and food and beverage. Air Products is also the world's leading supplier of liquefied natural gas process technology and equipment.

tell me more

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