



Image courtesy of Trumpf Ltd

- *Guaranteed purity for high-quality results*
- *Continuous supply for process continuity*
- *The easy alternative to cylinder gases*

## ***CryoEase<sup>®</sup> service***

*Laser assist gases on a larger scale*





*“Applying innovation and our expertise in metal fabrication to solve our customers’ problems is our core strength and it’s the approach we are taking with our new CryoEase® service.”*

*Designed to offer you a simple and convenient alternative to gas cylinders, the CryoEase® service delivers the quality gases you know and appreciate from Air Products – just on a larger scale.”*



## Unique benefits for laser applications

### **CryoEase benefits**

**A busy laser materials processor can get through a lot of gases. Cylinders, cylinder packs and exchangeable dewars are the traditional way to buy your gases, but if you use more than ten large cylinders a month of oxygen, nitrogen or argon, we’d like to suggest an alternative.**

**The CryoEase® service from Air Products matches the purity and reliability of cylinders or dewars, but in a new, more convenient format.**

We know that you need guaranteed high-purity gases for high quality results. So in developing the CryoEase® service for the laser market we set out to bring you the quality you know and appreciate - just in larger amounts. A cryogenic tank on your site provides a reliable source of high-purity gas, so storing, ordering and changing cylinders are things of the past.

With tank sizes of 25-2,000 litres, the CryoEase® system will keep your processes running at full capacity. There’s no loss of time for changing cylinders, and no need to place gas orders, since

Air Products looks after all that automatically. Deliveries are less frequent than with cylinders, and since you won’t even need to supervise them, they can even take place outside of working hours.

Doing away with cylinders means more space and improved safety. CryoEase® tanks are compact and don’t need to be moved, so you can find a better use for your cylinder storage area. Our delivery vehicles are small, so tight delivery spaces are no problem. Cylinder handling, with all its risks, becomes a thing of the past.

**Air Products’ CryoEase® service is the modern way to buy oxygen, nitrogen and argon. It’s easy to install, with tank sizes to suit your needs, and it’s easy to use, because Air Products does all the hard work.**

The benefits for you: a constant supply of gas, with no need to re-order, and none of the safety issues, storage space and exchange operations associated with cylinders.

### **Guaranteed gas purity**

The CryoEase® service provides all the qualities you have come to expect from Air Products welding and cutting products, with nitrogen (99.999%), oxygen (99.5%) and argon (99.999%) all available in the range.

### **Quick and easy installation**

Your CryoEase® cryogenic storage tank is a compact unit with a capacity tailored to suit your needs.

It normally requires no special foundations, or planning permission. If you don’t have a gas distribution system already, it’s a simple matter for us to install one.

### **Less hassle, improved safety**

Not having to change cylinders means big savings in time, and improved safety too. With the CryoEase® service, manual handling of cylinders becomes a thing of the past and the on-site fill feature ensures a continuous product supply with no interruption to your processes.

### **Ideal for limited space**

The CryoEase® system is ideal when space is at a premium. Cryogenic liquid storage takes up less room than cylinders. And because Air Products uses a purpose-designed fleet of small CryoEase® delivery vehicles, access for filling isn’t a problem.

### **No need to re-order**

A CryoEase® contract means not having to worry about gas orders - we’ll take care that you never run out. Topping up the tank is quick and easy and we can even do it outside your normal working hours.

## Applications

- Laser cutting of metals, ceramics, wood, fabrics, plastics
- Laser welding of metals, ceramics and plastics

### Unique benefits

- Nitrogen supply capability up to 32bar pressure and 100Nm<sup>3</sup>/hour flow rate
- Up to 2000 litres liquid tank capacity.
- 2000 litre tank equivalent to:
  - 167 x 200 bar oxygen cylinders
  - 153 x 200 bar nitrogen cylinders
  - 147 x 230 bar argon cylinders
- More cost effective than MCPs for continuous high pressure laser cutting



**tell me more**  
[www.airproducts.com/cryoease](http://www.airproducts.com/cryoease)

***A unique portfolio of gas products, services and solutions***

If you're looking for maximum throughput from your processes, we're convinced that the high purity, continuous supply and simple administration of the CryoEase® service are just what you need for your laser welding, cutting and engraving processes.

Air Products also offers a selection of premium gases and gas cylinders for the metal fabrication industry. Specifications to suit even the most demanding requirements, ease of ordering, and guaranteed quality - thanks to our innovative Maxx® shielding gases and the award-winning Integra® cylinder range - are the hallmarks of what we offer.

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