

**Reduce**  
your nitrogen  
gas costs  
with **i-Flow**



## Nitrogen generation solutions for **Electronics Assembly & Storage**

Electronics & nanotechnology companies are familiar with the impact of oxygen contamination on efficiency and product quality. During assembly, atmospheric air creates thin oxide layers over and between connections, leading to several problems downstream, such as product defects that require additional reworking. Furthermore condensation creates moisture in storage environments, which causes corrosion and product degradation. These highly undesirable outcomes ultimately impact on both company reputation and customer satisfaction.

**Protect your company's bottom line with on-site nitrogen generation.**

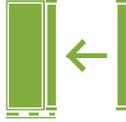
- ▶ Save Money
- ▶ Control Costs
- ▶ Guarantee Supply
- ▶ Reduce Carbon Footprint

# Soldering & dry-box storage

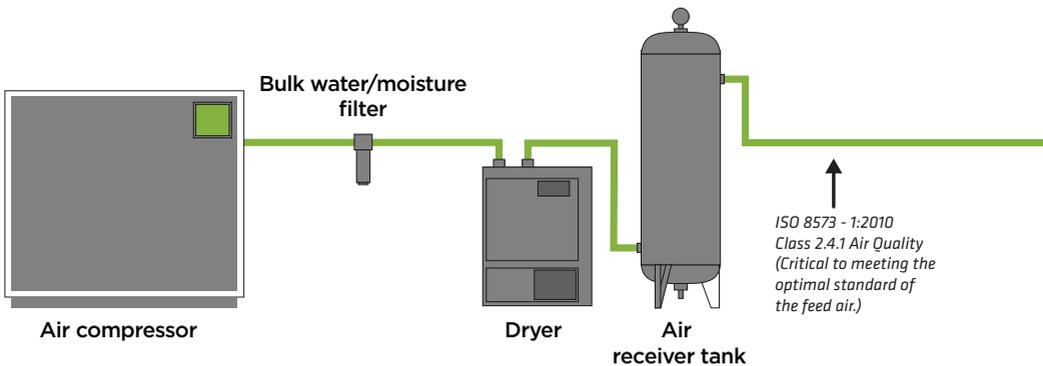
Nitrogen gas is the most cost effective industry solution. Dry, inert & non-conductive, it is used in storage and for reflow, selective or wave soldering surface-mount technology to printed circuit boards (PCBs), helping to:

- Increase soldering joint strength & reduce bridging/wetting defects
- Increase first-pass yields, ensuring minimal heat exposure
- Reduce requirement for reworking & flux residue cleaning
- Ensure a clean, dry & inert atmosphere for dry box storage

## Key benefits of on-site nitrogen generation

 <p><b>Guaranteed supply</b> Increased efficiencies, maximum productivity and minimum downtime</p>	 <p><b>Increased safety</b> No need for pressurized gas storage so safer than bulk delivery options</p>	 <p><b>Less wastage</b> Consistent and reliable supply means fewer product defects or rejections</p>
 <p><b>Eliminate on-going costs</b> No more equipment rental, long contracts or re-supply ordering</p>	 <p><b>More sustainable</b> Reduced carbon footprint by eliminating trucking of cylinders to your site</p>	 <p><b>Future proof</b> Expandable on-demand N2 generation that meets future needs</p>

## Typical nitrogen generation system



# Consultative Solutions

## Global Leader

Peak is the leading global manufacturer of nitrogen generation systems.

## Turnkey Solutions

Our team of highly experienced consultants are experts in designing turnkey solutions that perfectly meet customer needs.

## Expertise & Support

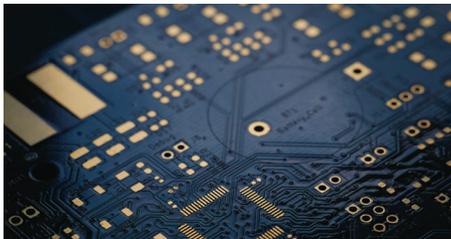
Our vast industry and technological expertise, coupled with world-class aftercare support, means we define the benchmark for customer service, innovation, quality and reliability.

## Project Management

Our project teams manage every stage of the process through initial consultation, system design, procurement, installation/ commissioning and keep you fully informed at each step.

## Global Partnership

Together with our industry leading partners in compression & filtration technologies, we offer the best and most diverse technological solutions available on the market.



**Contact us today to discover more!**

### North America

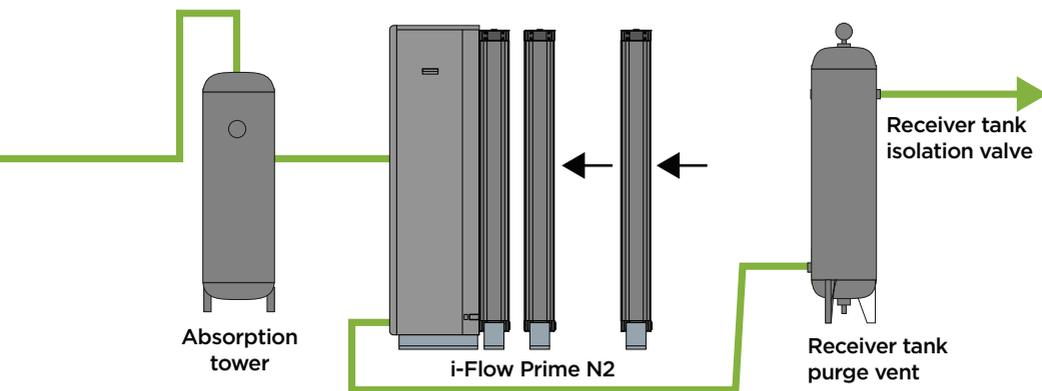
Tel: +1 866 647 1649

### Europe

Tel: +44 (0) 141 812 8100

Web: [www.peakgas.com](http://www.peakgas.com)

Email: [contact@peakgas.com](mailto:contact@peakgas.com)



## Your sustainable and expandable nitrogen generation solution

The i-Flow nitrogen generator from Peak Gas Generation eliminates the need for bulk nitrogen gas delivery and provides you with a sustainable, on-site nitrogen gas generation system that will deliver massive efficiency & cost savings in the long run.

It is a modular & scalable design that harnesses the latest in gas purification technologies, providing a wide range of purity and flow rates to suit most applications.

### ➤ Economical & sustainable

A cost effective solution that eliminates the need for bulk nitrogen gas delivery forever.

### ➤ Expandable on-demand

i-Flow's space saving, future-proof modular design allows columns & units to be added as your business grows.

### ➤ Energy saving efficiency

An innovative 'Eco-mode' ensures the lowest running costs by automatically managing production based on your daily demands.

### ➤ Verified industry compliance

Exceeding standards of EIGA, EC Food Grade, European Pharmacopoeia, JEFCA and US Food & Drug Administration (CFR Title 21) with Peak IQ/OQ certification.

### ➤ Safe on-site supply

No more health & safety concerns over hazardous truck deliveries or storage of gases in highly pressurized cylinders or tanks.

### ➤ High quality engineering

Peak is an ISO 9001 certified manufacturer and i-Flow's highly efficient technology requires minimal maintenance and supervision.

### ➤ Expert consultation

Peak's professional consultants will expertly design an end-to-end solution to meet your needs.

