



# Valve automation centre



**Air Torque UK**  
Connecting you to automation





25+  
years

Over 25 years serving global projects and customers across a wide range of industries

2  
locations

A unique alliance of valve and actuation experts working side by side, with a global reach

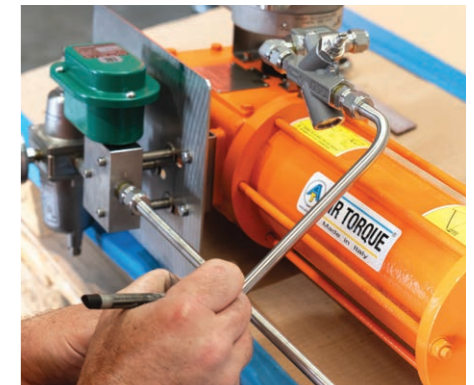
1  
solution

End-to-end project delivery, your choice of in-house manufacturing options and stock on demand



## About us

At the AC Valve Alliance Group, our mission is to provide end-to-end valve and automation solutions for our customers, across a broad range of industries and applications. As a proven partnership of companies working with a shared vision, we operate as a global stockist and distributor while also offering bespoke manufacturing options.







Pneumatic actuation



Electric actuation



Instrumentation & control systems



### Full service

Our in-house capability offers design, engineering, machining, assembly, function testing and full factory acceptance tests all under one roof, giving us control over scheduling and quality.



### Extensive stock holding

We carry a large stock profile of actuators that complement our ball valve stock range of large-size and high-pressure trunnion mounted valves. These can be rapidly delivered as a fully assembled and function-tested package.

# Our automation centre

We provide complete valve automation solutions tailored to your requirements, as well as 'off-the-shelf packages' utilising our comprehensive stock range of pneumatic, hydraulic and electric actuators, mounting kits, solenoids, positioners and switchboxes. All of these options complement our in-house range of valves, including Pekos, Starline, Perar, Galli & Cassina and Zwick.

Our dedicated automation team works exclusively to assess your specific technical requirements and deliver a tailored automation solution, meticulously considering unique environmental and application details such as hazardous working areas (requiring ATEX, CSA, Inmetro or IECEx certification) and saline or desert conditions necessitating corrosion resistant materials, as well as accommodating cryogenic and extremely high temperature application requirements.

## Our supply partners

Our full suite of actuation partners provide a comprehensive automation solution to fulfil industry variations that suit your requirements.



Pneumatic actuation



Electric actuation



Electric actuation



Electro-hydraulic actuation



Electric actuation



Electric actuation



Switchboxes



Positioners



# Pneumatic actuation

Our approach is centred around our unique partnership and stock holding with Air Torque S.p.A Italy, manufacturers of rack and pinion, scotch yoke pneumatic and hydraulic actuators.

## Trusted partnership

Air Torque is the largest manufacturer of rack and pinion pneumatic actuators in the world and their products are supplied in aluminium, carbon steel and stainless steel. These ATEX and National Gas, VA1 and SIL approved quarter-turn actuators are the global leader in actuator manufacturing, with 100% Italian production and a reputation for quality, design and reliability.



## Our stock options

- ✓ Standard aluminium rack and pinion
- ✓ Stainless steel rack and pinion for corrosive environments
- ✓ Compact series scotch yoke
- ✓ HD series scotch yoke for higher torques



Aluminium rack and pinion pneumatic actuators



Compact scotch yoke actuators for small and medium valves



Stainless steel rack and pinion actuators for corrosive environments



Scotch yoke heavy duty actuators with carbon steel housing

“Air Torque UK has been part of the Air Torque family for over 25 years and we are very proud of this valuable and trusted partnership. Along with their success into the market and continuous growth, we recognise Air Torque’s innovation spirit, quality, experience and deep knowledge about actuators and valve automation.”

Alberto Gotti, Sales Manager,  
Air Torque S.p.A

## Additional automation solutions

We also provide alternative automation solutions such as hydraulic, gas over oil, fail-safe, and electro-hydraulic, as well as catering for more specialist applications including partial stroke, EN161 (high-speed closing) network and valve position monitoring.



# Electric actuation

We provide a comprehensive range of electric actuation solutions that cater to a wide range of applications and industries. Our diverse offerings ensure we can deliver the perfect solution for various needs, offering unparalleled flexibility. This allows us to better serve the evolving needs of our customers in an ever-changing market.

## Our supply partners



### Bernard

Bernard Electric actuators are built for harsh conditions, perfect for on/off applications in the oil and gas industry. We offer fast-track stock for the AQ and AQL quarter-turn actuators and the AQL for hazardous areas (ATEX certified). For 'fail-safe' needs, we provide the ATEX-certified FQ spring return actuator. We also have access to Bernard's full range for customized solutions.

General industrial location and ATEX certified for hazardous areas

Basic control and smart 'logic' control available

Spring return 'Fail-Safe' available

Approved UK stocking distributor



### Auma

AUMA actuators are German-designed and manufactured for exceptional control and reliability in demanding environments. They are ATEX certified and National Grid VA2 approved for the UK gas supply network. Our fully ACE-trained engineers ensure proper mounting, commissioning, and testing of AUMA equipment.

General industrial location and ATEX certified for hazardous areas

National Gas VA2 approved

Auma 'ACE' trained & certified engineers

Approved UK distributor



### Rotex

Rotex electro-hydraulic actuators are highly reliable precision operators used in industries such as oil and gas, chemical, water treatment, and general processes. Certified with ATEX, IECEx, and SIL3 for safety and performance, these actuators are well-suited for operation in hazardous environments, offering robust solutions for demanding applications.

ATEX certified for hazardous areas

Aramco approved

Spring return / 'Fail-Safe' operation

Smart communication feedback



### Asahi

As the UK distributor for the Series 92 & 94 'Quarter Master Chief' actuators, we offer durable, corrosion-resistant solutions with UL certification and optional ABS classification for marine and offshore use.

Heavy duty construction

Rotation up to 330° for multi-port valve orientation



### Dresser

Dresser's RCS actuators, made in the USA for over 50 years, offer reliable valve automation and damper control across many industries. As the UK/Europe agent, we provide full sales, service, and technical support.

General heavy duty industrial location use

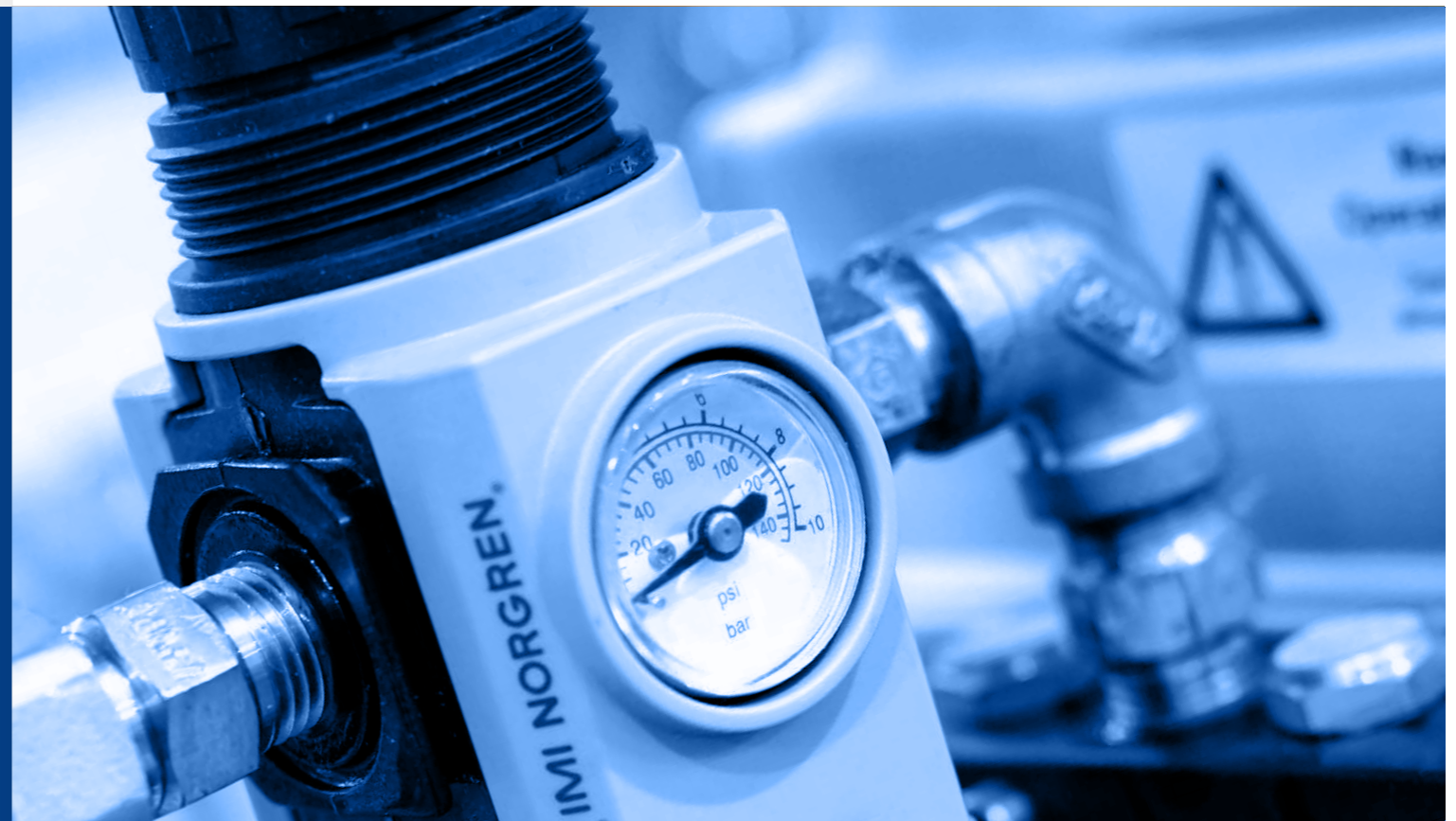
Options for ATEX & CSA certification





# Accessories & components

Partnering with industry-leading manufacturers, our automation centre has established extensive stock of the most common components required for fast-track delivery.



## Our supply partners

**ROTECH**  
SYSTEMKOMPONENTEN

**VAC**

Swagelok

**Parker**

**Bifold**

**NORGREN**

**MAXSEAL**

**ASCO**

**VERSA**



## Rotech

Rotech are a market leader in limit switchboxes and offer solutions to complex application problems with a multitude of enclosure materials and switch feedback devices. Working closely with the recognised industry standards committees, they have built up a range of over 2000 different models, all with varying approvals that are globally recognised.



## VAC

Based in Sweden, Valve Accessories and Controls manufacture high-quality pneumatic and electro-pneumatic positioners for modulating the control of pneumatic actuators, which have a rugged and proven design. With full factory support, Air Torque UK is the official UK sales agent for the VAC brand.



## Instrumentation assembly

Our experience of dealing with instrumentation tube and fittings ensures accurate assembly of complex control layouts to suit our actuation packages. Following pre-defined schematic designs, our trained engineers are confident in using various brands of fittings in a number of exotic materials.

Swagelok • Parker A-Lok



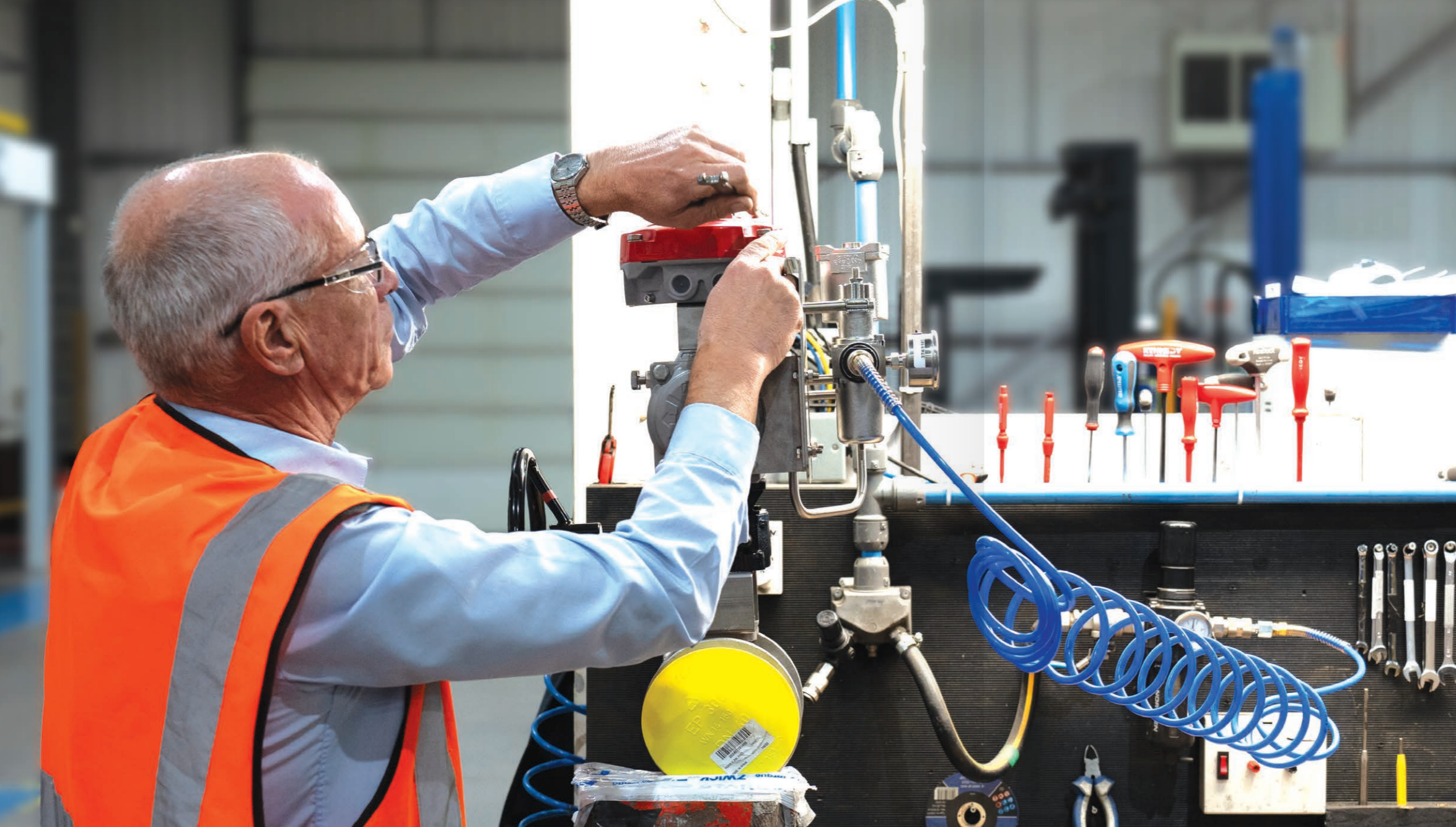
## Instrumentation controls

We stock a large range of high-quality ancillary equipment to allow for a fast-track assembly of local control systems in various configurations, materials and sizes.

Filter regulators / Solenoid valves /  
Pressure relief valves / Speed control valves /  
Limit switches / Switch boxes

Bifold • Norgren • Maxseal • Emerson Asco  
Versa • Pneumatrol RGS • Topworx





Our team of experts can support you with:

Product selection

Installation and maintenance

Equipment efficiency

Control and design

3D CAD design

Large scale projects

Documentation

Inspections and testing

## Expert support and advice

Our team of valve and automation experts are committed to delivering high-quality technical support and guidance, guaranteeing exceptional support throughout the entire process - whether we're assisting with initial selection, installation, or ongoing maintenance.



With our extensive experience in applications and systems, we offer valuable help, advice and effective fault-finding based on operational feedback and our industry knowledge.



You can rely on our team to provide comprehensive support, including technical documents, Solidworks 3D design models, sizing calculations, and control system designs to meet all your requirements.

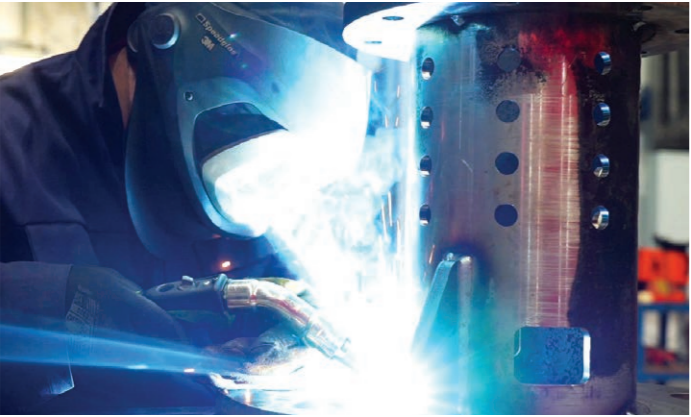


We pride ourselves on our exemplary after-sales support, ensuring that the equipment operates efficiently and correctly, from the moment it's supplied through to operating on-site.



# Fast-tracked delivery

We specialise in the supply of fast-track actuators and control packages. We can deliver fully actuated valve packages within a very short lead time to meet critical schedules or plant shut-downs.



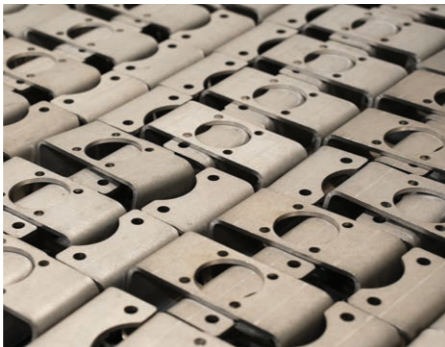
### In-house machining & manufacturing

We offer in-house design and manufacturing of custom components and assemblies, from simple mounting kits, to full project-driven pipe skid assemblies.



### In-house testing

To meet the growing demand for stringent product verification, we provide in-house testing, including pneumatic operation, assembly functional acceptance test (FAT) and hydrostatic.



In-house machining

In-house testing

“The team at Air Torque UK are the perfect partners to work with when quoting actuated packages. Speed of service and knowledge are second to none, and it’s always a pleasure to deal with them.”

Valued AC Valve Alliance customer



**AC Valve Alliance Group**



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