



Rotork is a market-leading solution provider for the actuation, flow control and industrial markets.

Our products and solutions are used in the essential infrastructure for the global economy and it is critical that any workforce is highly trained to ensure a safe and efficient plant.

Rotork has been providing customer product training for over 60 years and continues to offer bespoke training from our strategically located facilities around the world.

After attending a Rotork training course a student will understand all aspects of electric or fluid powered actuator installation, commissioning, maintenance and repair.

Training courses are tailored to meet customer requirements. Before a course is planned we first establish what Rotork equipment is present on the customer site. A pre-training questionnaire will determine the correct course is created and scheduled and that it is 100% relevant.

Rotork has a comprehensive product range, and where possible we ask for product serial numbers fitted on your site to ensure we provide the correct training.

To ensure the continued quality of our training we limit the number of students in each class so that we can provide individual tuition where required. The training courses take place in a classroom environment which includes a large practical element. All students will have the opportunity to operate actuators, conduct commissioning exercises and strip down mechanical assemblies.



Classroom training in Rotork centres worldwide

Rotork Product Training

Tailor-made actuation training for your workforce

- Training courses customised to meet the needs of your workforce
- Worldwide training centres
- Training is offered in Rotork classrooms or at client site locations anywhere in the world
- Comprehensive training on all Rotork electric and fluid powered actuator ranges
- Training courses conducted by dedicated training engineers who have many years of industrial experience
- Comprehensive detailed documentation provided
- Attendees receive training certificate upon course completion



On-site training at client locations worldwide

Keeping the World Flowing

Locations

As the recognised global market leader of valve actuators and control applications, Rotork has specialist training facilities in various locations around the world including the UK, the USA, Italy, Mexico, India and Singapore.

The Rotork Group head office and main Rotork Controls (electric actuators) manufacturing plant is based in Bath, UK whilst the main Rotork Fluid Systems (fluid powered actuators) manufacturing plant is based in Lucca, Italy. Other global training sites serve both Rotork Controls and Rotork Fluid Systems actuators.

Training facilities feature classrooms for presentations and workshop areas equipped with demo units which students can enjoy a hands-on experience under the supervision of our trainers. Display actuators are mounted on valves and connected to control panels allowing commissioning and practical exercises.

Training can also be conducted at a customer office or plant wherever it is in the world. All the necessary demonstration equipment for actuators* can be shipped to any site. All we need is a suitable room.

* Due to size and weight, fluid powered actuator demo units require a proper evaluation before shipment is agreed. Typical operation requires at least compressed air and electricity (i.e. 24 VDC).



Bath, UK

- Training room: Capacity 6
- Demo room: Electrics products; *Pakscan* 2-wire communication system



Lucca, Italy

- Training room: Capacity 30
- Demo room: Fluid Power and Instruments products; Pipeline monitoring systems; Network communication systems



Singapore

- Training room: Capacity 10
- Demo room: Electrics, Fluid Power and Instruments products; Network Systems: *Pakscan*[™], Profibus[®], Modbus[®], HART[®], Foundation Fieldbus[®]



Rochester, USA

- Training room: Capacity 24
- Demo room: Electrics and Fluid Power products; *Pakscan* 2-wire communication system



Mexico City, Mexico

- Training room: Capacity 12
- Demo room: Electrics and Fluid Power products; *Pakscan* 2-wire communication system



Shanghai, China

- Training room: Capacity 10
- Demo room: Electrics products

In-Depth tuition

The Training Team

All Rotork training personnel are dedicated training engineers with many years of industrial experience. We provide training courses drawing on a wealth of practical knowledge gained from working across a variety of industries around the world.

Course Objectives

On successful completion of an actuator training course the engineer should have a complete understanding of how actuators function, be competent in installing actuators on a variety of valves and applications, understanding the electrical control circuits or fluid power control systems and be competent in commissioning and fault finding. On electric actuators, use of the diagnostic Insight 2 software and datalogger functions.

Persons Suitable to Attend Training Courses

Electrical, Instrument and Mechanical Maintenance Technicians, Foremen, Supervisory Management and Engineers, Commissioning Engineers and Project Designers.

Course Documentation

Every student attending a Rotork Product training course will receive training Product manuals for every topic covered. The manual includes full operating instruction, workshop manuals, training notes, electrical/pneumatic/hydraulic drawings all backed up with a soft copy on a USB stick.

On the successful completion of a course a certificate is issued and recorded on a database in accordance with Rotork ISO9001 quality control procedures.



Example of a typical IQ electric actuator classroom training course

Day 1	Day 2
<ul style="list-style-type: none"> • Introduction to Rotork • Actuator mechanical design features • Thrust and non-thrust valve interface • Sealing principles - watertight and explosionproof enclosures • How the actuator functions measuring torque and position, primary settings using <i>Bluetooth</i>® setting tool, practical commissioning exercises using valve mounted actuator 	<ul style="list-style-type: none"> • Students dismantle an IQ actuator and reassemble • Electrical specifications and control panel interface • Secondary configuration setting including asset and datalogger function • Practical configuration setting exercises • Fault finding and troubleshooting • Introduction to PC based Insight 2 including practical downloading configuration and datalogger files using PC and setting tool

Example of a typical GP/GH fluid power actuator classroom training course

Day 1	Day 2
<ul style="list-style-type: none"> • Introduction to Rotork • Principle of fluid powered actuation for quarter-turn valves via a scotch yoke mechanism: main actuator components and torque output profile • Types of manual override - correct use and maintenance • Full procedure to disassemble and reassemble the actuator • Cylinder seals replacement 	<ul style="list-style-type: none"> • Setting of the mechanical end stoppers • Leak test • Spring balance test • Actuator position indication device setting • Actuator operating times adjustment • Functional test in accordance to RFS QS-024 procedure

For further information on Rotork training please contact your local Rotork office.

Visit www.rotork.com to identify your nearest Rotork office.

A full listing of the Rotork sales and service network is available on our website.

www.rotork.com

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Controls
Electric Actuators and Control Systems

Fluid Systems
Fluid Power Actuators and Control Systems

Gears
Gearboxes and Gear Operators

Instruments
Precision Control and Indication

Site Services
Projects, Services and Retrofit