

THE
COMPANY
PROFILE



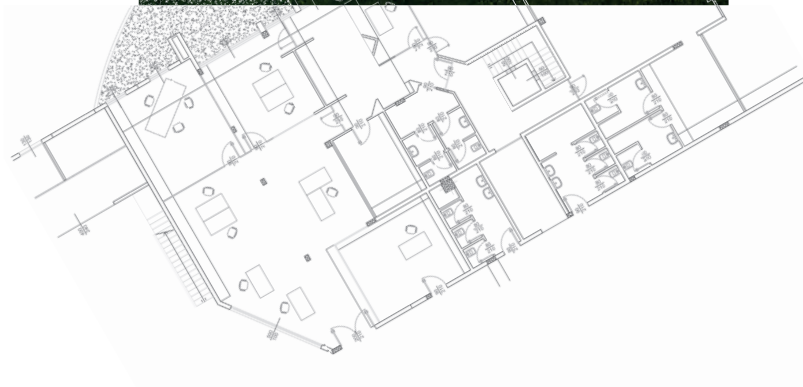
THE COMPANY

Thanks to more than 25 years of experience in the market of actuators and valve automation, Air Torque Spa is today the worldwide leading manufacturer of pneumatic actuators.

Placed in the Northern Italy, Air Torque brand clearly identifies the pneumatic actuators, becoming synonym of quality, design and reliability.

The Air Torque yearly production capacity is up to 400.000 actuators. We sell all over the world, from Americas to Oceania, through a wide network of official distributors, direct global agreement with end users and a direct partnership with big OEM manufacturers

- Total covered area for factory floor space, warehouse and offices: 12.000 square meters
- Assembly lines: 17 automated and manual lines
- Production entirely made in Italy
- Production 100% factory tested



OUR MISSION

Through daily effort Air Torque strives to supply customers with pneumatic actuators for industrial valves with high content of quality and innovation.

We offer the turn-key solutions for valves automation through the design, the supply and the after sales support for all of our actuators produced. In this way we want to guarantee the full control of the products manufacturing for the achievement of the maximum customer satisfaction rate: a key factor for Air Torque. Through constant market analysis and user feedback, we target the continuous improvement of processes and products with the aim to offer the widest range of high quality actuators, multiple and customized solutions.

This is the base for the mutual growth and satisfaction for Air Torque and his customers.

This philosophy inspires and guides the daily business of all the people working in Air Torque, in each level.



OUR VALUES



INNOVATION

Air Torque Spa is recognized as one of the references among the pneumatic and hydraulic actuators manufacturers for what is concerning innovative products and processes. Our duty is to meet and satisfy customers new demanding products, performance and features.



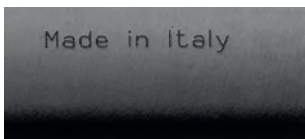
RELIABILITY

Air Torque Spa globally provides products and solutions with high rate of reliability in performance, delivery time, customers commitments. Our duty is to support our customers with reliable products and pre/after sales service



DESIGN

Air Torque Spa offers the widest range of standard, special and customized actuators solutions based on high engineering knowhow and field experience. We own several international patents over our products.



MADE IN ITALY

Air Torque Spa manufactures the actuators exclusively in Italy with an exclusive Italian/West European supply chain: 100% Made in Italy.



EXPERIENCE

Air Torque Spa has well consolidated experience thanks to more than 25 years of direct activity in the field of valve automation and cooperation with valuable End Users.



GROWTH

Air Torque Spa always strives to find new solutions for our customers. The available choices Air Torque offers in terms of size, construction, protection level and temperature execution is the widest available. Together with it, Air Torque characteristics is to find tailor made reliable technical solution for customers.



QUALITY

Air Torque quality management system (QMS) is a collection of all business processes focused on consistently meeting customer requirements and enhancing their satisfaction. It is aligned with an organization's purpose and strategic direction. Since long time ISO 9001 certified.

Since many years recognized as a partner of excellence in several fields such as:



chemical



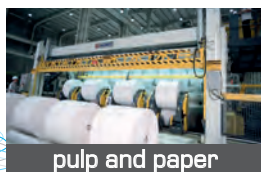
petrochemical



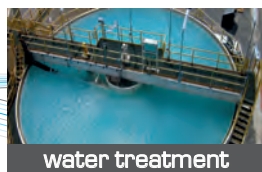
pharmaceutical



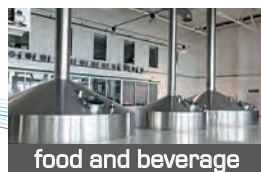
power generation



pulp and paper



water treatment



food and beverage



oil and gas

PRODUCTION PORTFOLIO

1. 4th GENERATION UPGRADE SERIES (R&P)

The 4th Generation Upgrade line, is the aluminum R&P primary line that include the best concepts of technological innovation.

FEATURES:

- Mechanism: rack and pinion
- Housing base material: aluminum
- 17 different model sizes both in double acting and spring return
- Output torque up to 10.000Nm
- 6 different protection levels as a minimum (different combination of materials and coatings for perfect matching with installation environment)
- 3 different working temperature executions (from -60°C/-76°F up to +150°C/+302°F)
- -40°C as standard lower limit of temp execution
- Multiple choice of ISO flange and drive shaft connection for each actuator size.
- Fasteners in stainless steel as a base.
- Stroke adjustment range -5°/+15° and 75°/95°
- Supply media: compressed dry or lubricated air and inert gasses



- Products approvals/compliance/certificates:
ATEX 2014/34/EU
DNV Type Approval
SIL3
EU Declaration of conformity
TR CU 010/2011
TR CU 012/2011
IP67 and IP68 - Degree of protection

2. POWER TECHNOLOGY "PTB" SERIES (R&P)

The PT "B" originally designed on specific OEM customers demands.

FEATURES:

- Mechanism: rack and pinion
- housing base material: aluminum
- 17 different model sizes both in double acting and spring return
- Output torque up to 10.000Nm
- 6 different protection levels as a minimum (different combination of materials and coatings for perfect matching with installation environment)
- 3 different working temperature executions (from -60°C/-76°F up to +150°C/+302°F)
- -40°C as standard lower limit of temp execution
- Multiple choice of ISO flange and drive shaft connection for each actuator size.
- Stroke adjustment range -5°/+15° and 75°/95°
- Supply media: compressed dry or lubricated air and inert gasses
- Fasteners in stainless steel as a base.



- Products approvals/compliance/certificates:
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3. FORGED STAINLESS STEEL SERIES (R&P)

The Air Torque "S" Series stainless steel actuators is a robust corrosion resistant actuator line specifically engineered for high corrosive environments and for sanitary applications. This line is manufactured by using high quality forged stainless steel housings material in 316 stainless steel grade. Typical fields of applications are:

- chemical process • pulp and paper • pharmaceutical • marine and off shore • sanitary • cosmetics • oil and gas

FEATURES:

- Mechanism: rack and pinion
- Housing base material: 316 stainless steel grade
- 9 different model sizes both in double acting and spring return
- Output torque up to 2.000Nm as minimum
- 4 different surface finishing + painting coating according to the customers specifications (different combination of materials and coatings for perfect matching with installation environment)
- 3 different working temperature executions (from -60°C/- 76°F up to +150°C/+302°F)
- -40°C as standard lower limit of temp execution
- Multiple choice of ISO flange and drive shaft connection for each actuator size.
- Stroke adjustment range -5°/+5° and 85°/95°
- Supply media: compressed dry or lubricated air and inert gasses
- Fasteners in stainless steel A2/A4.
- Suitable for high supply pressure and heavy-duty application with stainless or carbon steel pistons
- Suitable for oxygen service – special actuator version



- Products approvals/compliance/certificates ATEX 2014/34/EU
DNV Type Approval
SIL3
EU Declaration of conformity
TR CU 010/2011
TR CU 012/2011
IP67 and IP68 - Degree of protection

4. POWER TECHNOLOGY "PTN" SERIES (R&P)

This product line is developed on a specific End-User request In terms of combination of materials and coating to get proper performance against specific and aggressive environments.

FEATURES:

- Mechanism: rack and pinion
- Housing base material: aluminum
- 17 different model sizes both in double acting and spring return
- Output torque up to 10.000Nm
- 4 different protection levels as a minimum (different combination of materials and coatings for perfect matching with installation environment)
- 3 different working temperature executions (from -60°C/-76°F up to +150°C/+302°F)
- -40°C as standard lower limit of temp execution
- Multiple choice of ISO flange and drive shaft connection for each actuator size.
- Stroke adjustment range -5°/+5° and 85°/95°
- Supply media: compressed dry or lubricated air and inert gasses
- Fasteners in stainless steel as a base



- Products approvals/compliance/certificates ATEX 2014/34/EU
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SIL3
EU Declaration of conformity
TR CU 010/2011
TR CU 012/2011
IP67 and IP68 - Degree of protection

5. SPECIAL ACTUATORS FUNCTIONS/FEATURES (R&P)

Following the aim to continuously satisfy customers needs in terms of valves automation and basing on robust innovative attitude and technical knowledge, Air Torque SpA offers an extended range of special actuators. The special actuators function and features are designed to meet and satisfy all innovative and safety systems in the valve automation in process control. Air Torque is the sole worldwide player offering the hugest special actuators function portfolio.

Mainly based on the 4th generation Upgrade series, but available also on PT series, the Special actuator range counts on:

- 100% and 50% extra travel stop limitation – for not fully open valve operation
- RC100 travel closing limitation – for not fully close valve operation (spring return only)
- Lock-out capability – for block and lock the actuator/ valve in open or close position
- 120°, 135°, 180° ,... rotation – for multiport rotary valves
- Fail mid 180° in spring return – for multiport rotary valves with 90° fail position
- 3 position actuator 90°, 180° – for an intermediate stroke positioning
- Fast acting actuators – for fast actuator strokes/ shutdown application.
Min stroking time up to 0.2 sec
- Hydraulic damper – to limit the water hammer effect and preserve the valve integrity



6. AT-HD SCOTCH YOKE HEAVY DUTY ACTUATORS SERIES

The unique design and features make the AT-HD a robust solution for all the on-off and modulating applications. Several unique technical features (some of them patented) are the DNA of these Air Torque products. The offer of the AT-HD is completed with wide range of options.

FEATURES:

- Mechanism: scotch yoke
- Base material: carbon steel
- 3 different working temperature executions from -60°C/-76°F up to +150°C/+302°F
-40°C as standard lower limit of temp execution
- Multiple choice of ISO flange and drive shaft connection for each actuator size.
- Fasteners in stainless steel as a base
- Typically with no external tie rods for the pneumatic module
- Available with pneumatic or hydraulic cylinder
- Supply medium: compressed dry or lubricated air, process gasses and hydraulic oil (for hydraulic version)
- Painting according to the Air Torque or project/customer standard
- Temperature execution (from -60°C/-76°F up to +150°C/+302°F)
- Power supply: pneumatic or hydraulic
- Accessories and control systems packages
- Stroke adjustment -5°C/+5°C and 85°C/95°C
Extended stroke adjustment range also available
- Products approvals/compliance/certificates
ATEX 2014/34/EU
SIL3
EU Declaration of conformity
TR CU 010/2011
TR CU 012/2011
IP67 - Degree of protection
PED available



SPECIAL FUNCTIONS/SERVICE

- Valve link
- Manual override
- Fast acting
- Damper
- HIPPS integration - logic solver architecture
- PST functions
- Customization

SERVICES

Automation: Air Torque strives to grant the customers the best service possible always.

Following day by day this target, basing on knowledge of valve automation and of tight relation with accessories manufacturers, Air Torque has the capability and the experience to supply complete automated actuator solution and control panels.

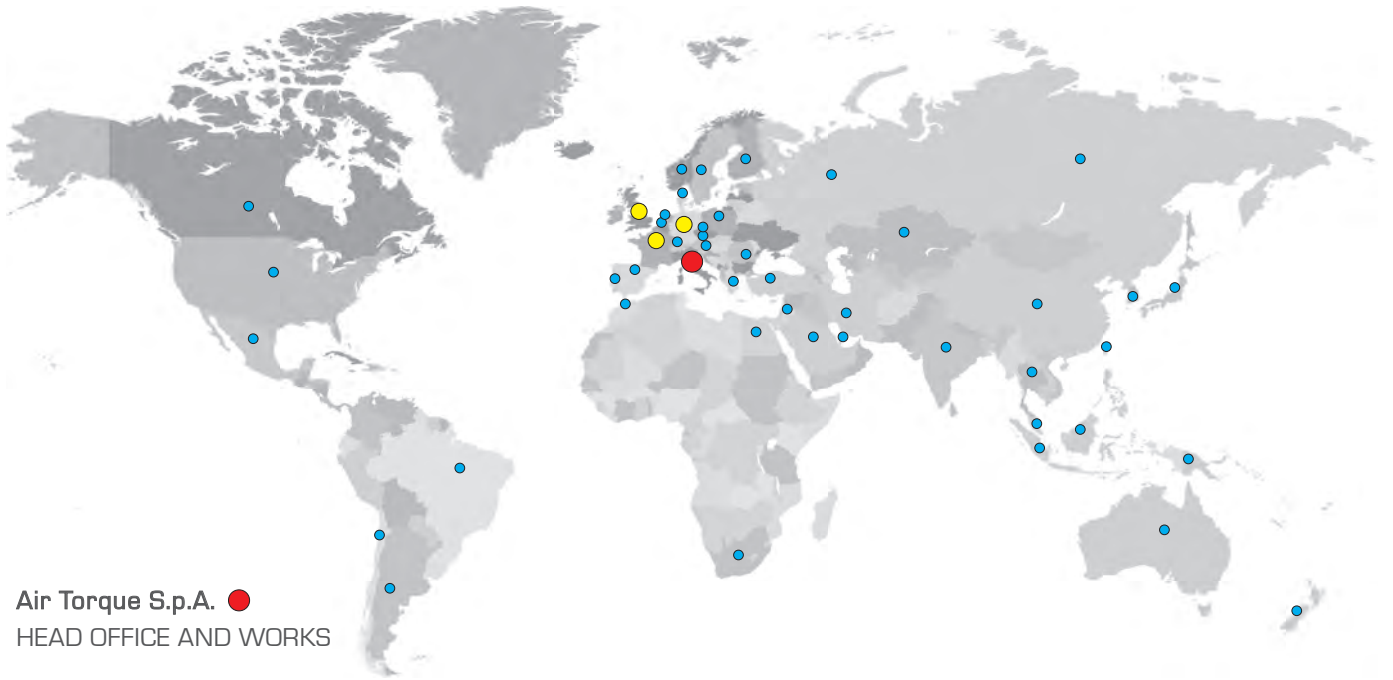


After Sales: Working shoulder to shoulder with the customers and final users during the pre-sales phase, Air Torque gives the best support also for the after sales activities. The wide range of spares availability is build up for this purpose. The assistance and technical support are always present in every step of the sales and after sales process.

24hrs services is an available option. The wide network of official distributors with high technical knowledge level allows direct Air Torque representative contact easily available worldwide.

GLOBAL SUPPORT

Air Torque Spa grants a deep market penetration is granted by wide sale network spread all over the world. Affiliated Companies and Official distributors contribute to cover and serve a wide market. Direct Air Torque business with valves OEM manufactures and big End-users completes the picture of the sales network. It is easy to find original Air Torque products worldwide. With a so wide sales and service network we ensure continuity of supply and local support where is needed.



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AIR TORQUE WORLDWIDE SALES NETWORK

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Belgium
Czech Republic
Denmark
Finland
France
Germany
Greece
Italy
Netherland
Norway
Poland
Portugal

Russia

Slovenia
Spain
Sweden
Switzerland
UK

AMERICA

Argentina
Brazil
Canada
Chile
Mexico
USA

AFRICA

Egypt
Morocco
South Africa

OCEANIA

Australia
New Zeland
Papua & New Guinea

ASIA

China
India
Indonesia
Israel
Japan
Kazakhstan
Malaysia
Singapore
South Korea
Taiwan
Thailand
Turkey
UAE & Qatar
Vietnam

REFERENCES

AALBORG INDUSTRIES	ENEL	LINDE	SAMSUNG PETRO CHEMICAL
ABB	ENI	LINDE GAS	SAMSUNG TOTAL
AGIP	FLSMIDTH	MANNESMAN DEMAG	SIAD
AIR LIQUIDE	GASCO	NESTE OIL	SIEMENS
AKZONOBEL	GAZPROM	NESTLE	SK ENERGY
AURAMARINE	HALTON MARINE	NOVARTIS	SOLVAY
BASF	HYUNDAI HEAVY INDUSTRY	OMV	TECHNIMONT
BAYER	HYNDAY STEEL	PETROPERU	TECHINT
CHEMINOVA	HUNDAI HEAVY INDUSTRIES	POSCO	THE DOW CHEMICAL COMPANY
DAEWOO SHIPBUILDING	JGC	POSCO STEEL	TOTAL
DEGUSSA AG	JONHSON CONTROLS	PRAXAIR	TRACTEBEL
DEGUSSA-EVONIK	LG CHEMICAL	REPSOL	VOPAK
DUPONT	LG PETRO CHEMICAL	SAMSUNG	WÄRTSILÄ



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