

Air. Pressure. Motion.

Pneumatic Control Technology
for the most demanding requirements.

airtec



→ AIRTEC facts

Leaders in the pneumatic control technology industry for over 35 years.

Two locations in Germany.

On-location worldwide – with our own distribution and assembly branches – around 50 in total.

Certified ISO 9001:2008 in quality management since 1994.

Beside its wide-ranging standard program, AIRTEC's strength is in its development of individual solutions tailor-made to suit the customer's needs.



Individual. Fast. Flexible.

We love a challenge.

What we started in 1975 with the revolutionary AIRTEC-ring we still strive for to today: the development of pneumatic control technology to the highest standards of quality and durability. Today AIRTEC is an internationally successful company committed to a consistent level of service. Products need to fit the customer, not the other way around.

1975 1976 1977

 Quality, customer orientation, and flexibility are our top priority at AIRTEC. This is present at all levels of the operation. This philosophy isn't just the case at our two German locations, but also at all of our subsidiaries, sales offices, and service support points around the world.

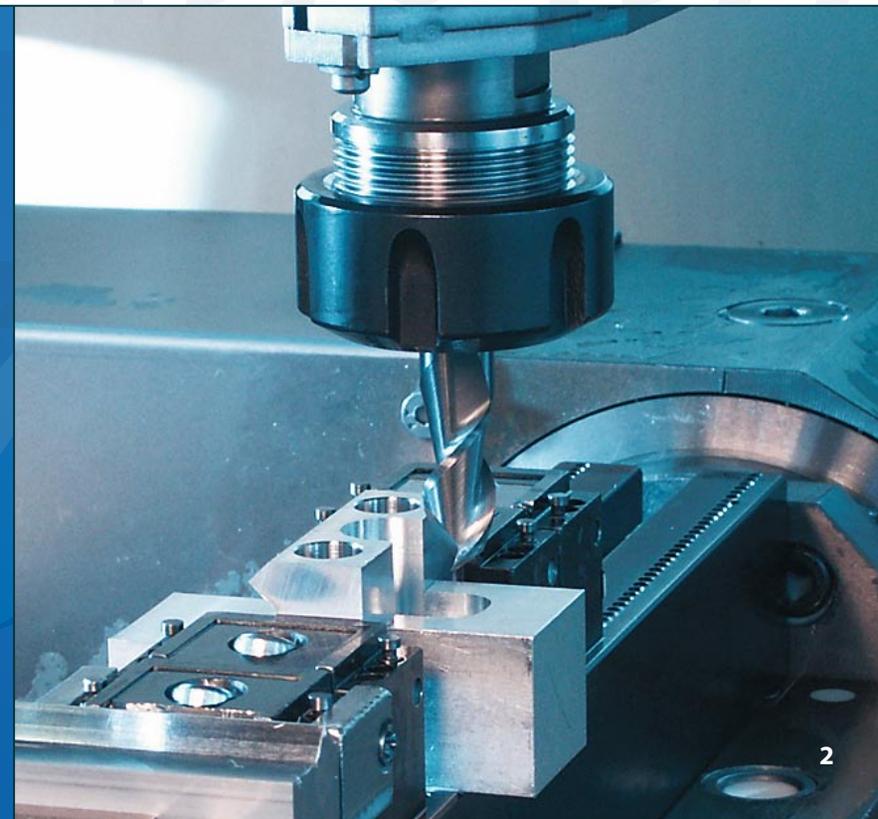
Modern and flexible production

The new AIRTEC factory in Reutlingen, Germany was built to the most modern standards. Modern production methods, qualified employees, up-to-date technology, and a seamless quality control system result in products of the highest precision and quality. From research and

development to production, assembly, and delivery, we have specialized departments at each step that guarantee a quick and perfectly coordinated manufacturing process.

Customized solutions

Unique pneumatic systems made to meet even the most demanding applications are produced at our technology center in Reutlingen. Our experienced engineers provide customers from a wide range of industries with smart solutions for more efficient, better, and faster production.



Valves & Terminals



AIRTEC's extensive range offers solutions for the economical application of standard products and forms the basis for high-quality, customized solutions.

→ Solenoid valves

The market demands higher performance products with ever more compact design and AIRTEC's range of valves steps up to meet that challenge.

They are the core of all pneumatic control technology and distinguish themselves with their high functional security and performance levels. This makes them a significant component of every value chain.

Product Range

- > Single and double solenoid valves
- > 5/3-way valves
- > ISO valves, sizes 1, 2, and 3
- > NAMUR valves and Speed Control
- > ATEX approved valves
- > Sub-bases and manifolds
- > Stainless steel valves



Products

Our complete solutions simplify procurement, shorten installation times, and lead to higher process security.



→ Valve terminals

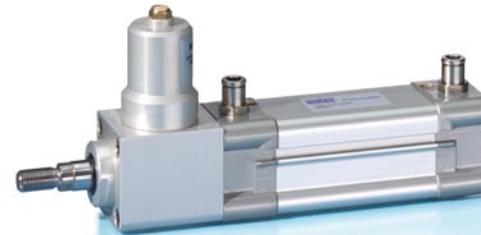
Conventional electrical wiring or pneumatic hosing for individual valves is costly.

Valve terminals offer significant cost advantages due to their compact design as well as reducing installation costs in the field to a minimum. This makes them an important component in the cost effective planning of your applications.

Product Range

> Valve terminals with high flow values for different valve sizes.





→ Standard cylinders

AIRTEC standard cylinders are the top performers of pneumatic control technology. The XL and SL series feature high-quality extruded aluminum profiles with sensor grooves for different pneumatic applications.

Product Range

- > XL and SL series Ø 32 – 125 mm (DIN ISO 15552)
- > Small cylinders series HM Ø 8 – 25 mm (DIN ISO 6432)
- > Large cylinders series XG Ø 160 – 320 mm (DIN ISO 15552)
- > Round cylinders series HM Ø 32 – 63 mm
- > Stainless steel cylinders CM and CX series Ø 16 – 100 mm (DIN ISO 6432 and DIN ISO 15552)
- > Active and passive braking system for series XL
- > Guided cylinders and linear guides

The small bore size cylinders serie HM have a stainless steel tube.

The cylinder tube of the large cylinder is made of aluminum.

Standard cylinders are also optionally available in stainless steel.

ATEX approved cylinders.

Cylinder switches are available for all standard cylinders.

Air. Pressure. Motion.

Standard and compact cylinders

→ Compact cylinder

The compactly built AIRTEC short stroke cylinders are impressive due to their high compatibility and reliability.

Product Range

- > XV series Ø 20 – 100 mm (ISO 21287)
- > NX series Ø 12 – 100 mm
- > single and double acting
- > magnetic piston
- > male and female thread
- > with anti-twist protection



Rodless cylinders & special solutions



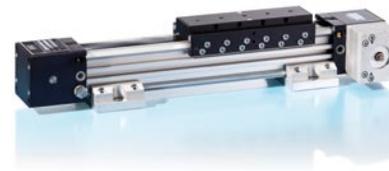
→ Rodless cylinders

ZR Series

This toothed belt cylinder has an especially high level of operational reliability due to its closed and therefore stiffened profile concept. The structural design of the profile prevents expansion during pressurization. This cylinder series can also be used for trouble-free synchronization.

ZX Series

The seal system of this cylinder provides an outstanding level of operating performance and reduces leakage.



Product Range

- > Cylinder Ø 25 and 40 mm, available with a medium duty plain bearing guide or heavy duty roller guides.
- > Special variants available such as gripper cylinders, multiple slides, adapters for encoders, integrated valve controls, brake units.

Product Range

- > Cylinder Ø 25 – 63 mm, available with a medium duty plain bearing guide or heavy duty roller guides.
- > Cylinder with special shortened design.



→ Customized solutions

Individually tailored and perfectly matched.

 Our highly qualified engineers for pneumatics and electronic control technologies work closely with our customers on solutions far beyond standard pneumatic control technology.

Thinking laterally and creatively, breaking new ground – our specialists are happy to tackle your challenges too!

Based on proven standard modules, we adapt systems specifically to your challenges. That's how we are able to cover the entire field of pneumatic and mechanical applications.

AIRTEC delivers "Plug and Play"

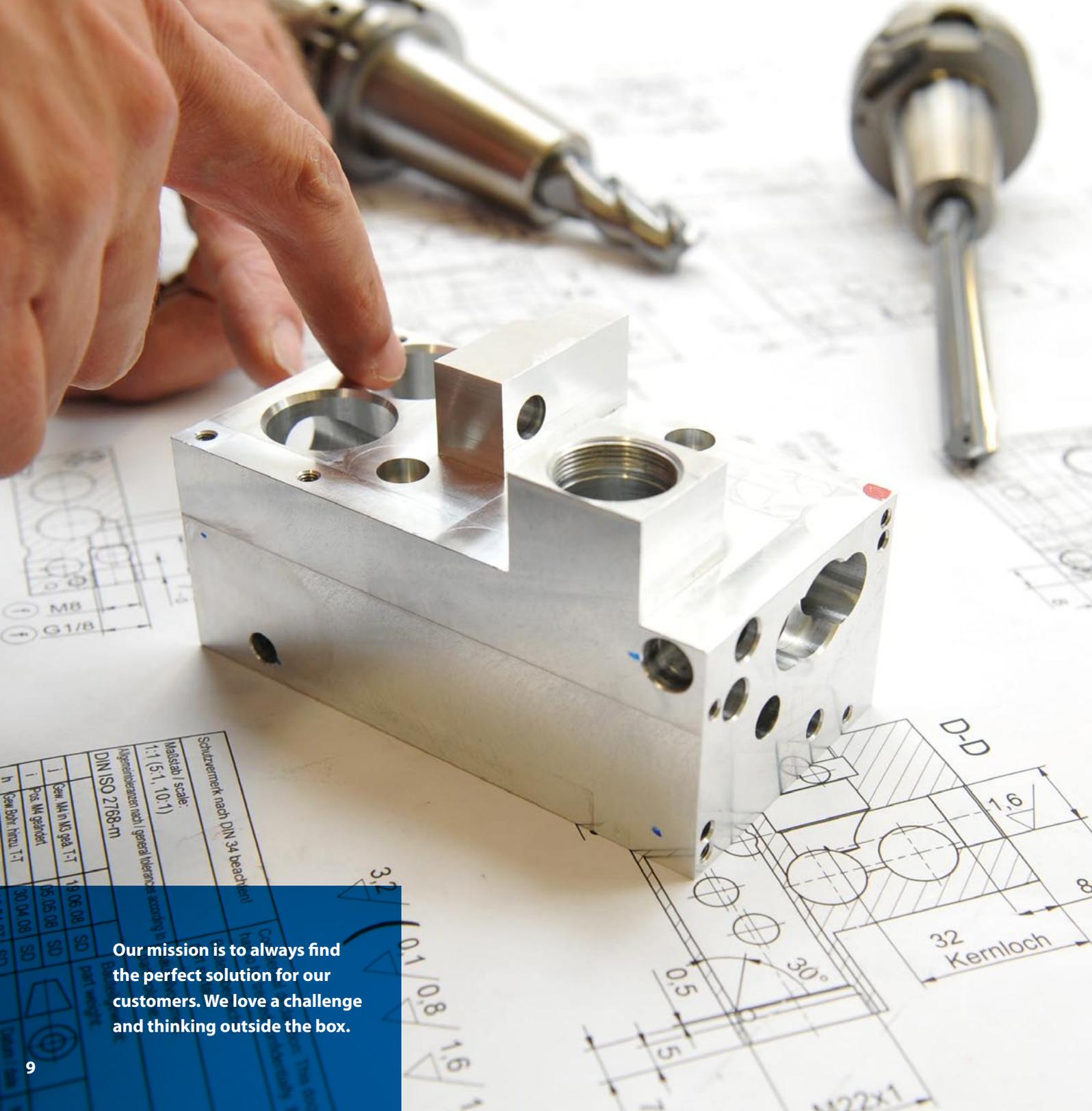
Units or component groups are conceptualized, produced, and tested according to individual requirements. They are ready for operation, meaning we ship them ready for installation to guarantee quick availability.

Speak with our specialists if your requirement involves outsourcing for turn-key pneumatic system solutions. Trust our comprehensive knowledge of applications and challenge our creativity! We can deliver a solution for any special application – creatively conceptualized, technically mature, and economically implemented.

Everything to the highest AIRTEC quality and with a fixed price guarantee!



Profit from customized designs and the knowledge that comes from nearly four decades of pioneering work!



→ AIRTEC facts

Quality

From the beginning, AIRTEC products have distinguished themselves through the highest quality and precision.

Flexibility

Each customer is different and flexibility is our highest priority.

Individuality

Developing tailor-made solutions is our core competency.

Service

We are fully committed to service. This is reflected in all of our company processes.

Our mission is to always find the perfect solution for our customers. We love a challenge and thinking outside the box.

Committed. Professional. Customized.

First-class service.

AIRTEC's specialist technicians stand at the forefront around the world. They can advise and support you with their knowledge at every phase of our work together.

Top Service from the start

 Our pneumatic control technology and our service makes your production processes efficient and reliable.

Success is not based solely on the quality of the pneumatic components, but on the quality of the entire solution. AIRTEC specialists are at your side with their experience from the initial concept phase.

Development and Design

AIRTEC solutions set standards. All of our developers and designers are accomplished engineers who always work with the newest technologies and skills.

Both you and your products profit from this immeasurably. Short channels of communication, direct contacts, and close cooperation ensure that our specific knowledge benefits your solutions.

Distribution and Service

AIRTEC possesses a capable distribution and service network with personnel in Germany, Europe, and worldwide. There are over 50 support points, including many AIRTEC subsidiaries, which provide optimal customer care.

Our extensive services are enhanced by pneumatic control technology training courses.

AIRTEC provides the highest quality and excellent all-round service. Our customers benefit from this every day.





AIRTEC international



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|-----------------|--------------|------------------------|
| ■ Argentina | ■ Indonesia | ■ South Africa |
| ■ Austria | ■ Italia | ■ South Korea |
| ■ Belgium | ■ Lithuania | ■ Südkorea |
| ■ Bulgaria | ■ Luxembourg | ■ Spain |
| ■ Canada | ■ Morocco | ■ Sweden |
| ■ Croatia | ■ Mexico | ■ Switzerland |
| ■ Denmark | ■ Peru | ■ Thailand |
| ■ Ecuador | ■ Poland | ■ The Philippines |
| ■ Egypt | ■ Portugal | ■ Tunisia |
| ■ Finland | ■ PR China | ■ Turkey |
| ■ France | ■ ROC Taiwan | ■ United Arab Emirates |
| ■ Germany | ■ Romania | ■ USA |
| ■ Great Britain | ■ Russia | |
| ■ Greece | ■ Serbia | |

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