



**Welcome to nass magnet**

## **Nine decades of company history**

The international family business from Hannover and leading manufacturer of pneumatic pilot controls and electromagnetic applications



- **Company group nass magnet**

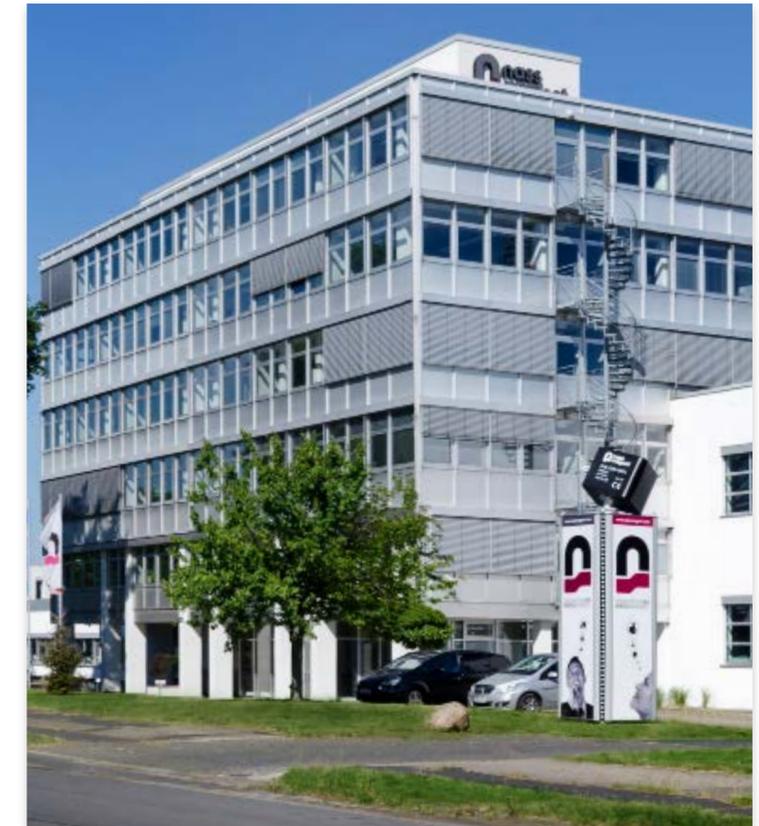
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## Company group nass magnet

As an leading international medium-sized family business with over 90 years of experience, the corporate group develops, manufactures and distributes electromagnetic solutions for a wide variety of applications.

The product portfolio includes not only pilot controls and valves for air, neutral gases, liquids and other process media but also electromagnetic drives for valves in the field of mobile applications. Individual requirements can be designed and produced in series upon request.

Our pneumatic pilot valves are exported all over the world and the name *nass magnet* continues to be known for the best service and quality. The company has a global distribution and logistics network at its fingertips, as well as four sites in Germany, the USA, Hungary and China.



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## Mission statement

**The company group *nass magnet* is an innovative, customer-oriented company.**

Its aim is to ensure the financial success of its customers, employees and owners in the long term.

**My contribution to success is dedication.**

The actions of every individual make an important contribution to the company group's success.

**WE are the secret to our success.**

Together, we will face challenges and meet those challenges with creativity and flexibility with the willingness to change based on a life time of learning.

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## Characteristics of our performance

### **Longevity, sustainability and future-oriented management.**

Our presence on the market has been constant for nearly a century, and we always strive towards progress.

### **Varied range of products.**

From catalogue products and sample production to creating products in series that are tailor-made to specific customers.

### **Precision in perfection.**

Whether it is a tried-and-true product or custom order — *nass magnet* always delivers the right solution.

### **Central and global.**

Benefit from a company with a global mindset, with both German and international standards.

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## What sets us apart

### Customer-oriented development

- VDA-compliant, efficient project management
- Comprehensive qualification according to ISO 16750, VDE 0580 and/or customer standards

### High quality

- IATF 16949 certified
- Alignment with ISO 45001
- Acute awareness of quality thanks to the nass magnet production system (NPS)

### Extremely flexible

- Delivery to impeccable standards, always within the deadline
- Flexible production, modular manufacturing concepts and structured modular construction systems
- Carrying out commissions of both small and large series

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## We support, we demand

Social engagement, particularly when it comes to the next generation, is, of course, on *nass magnet's* agenda. Actively encouraging mutual respect, team spirit and appreciation for one another — that's what investing in the future looks like.

The company group initiates and nurtures partnerships with schools, universities and higher education colleges in Lower Saxony.

We are happy to offer interested parties a specially developed programme with hands-on physics lessons, an experimental laboratory and a tour of the production facility.



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## Proactive in protecting the environment

Protecting the environment is also a high-priority aspect for the corporate group. Our development and production are carried out in compliance with legal standards and the strictest internal compliance specifications regarding the environment.

However, we go one step further: environmental protection measures are implemented proactively. They are an integral part of the production and its optimization.

Since 2014, *nass magnet* has been recognised as an **Ökoprofit (eco-profit)** company, part of a special scheme to help make companies more eco-friendly.

At *nass magnet*, we are continually putting improvement measures in place to further reduce any negative impact on the environment.



**D4-6**  
Eingang | Entrance →

nass  
magnet

Finances and controlling  
 **Holding Kirchheim**

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**Holding Kirchheim GmbH + Co. KG**  
Eckenerstraße 4 - 6  
30179 Hannover  
Germany

## Holding Kirchheim GmbH + Co. KG

- Family business in its fourth generation
- Shareholder: Kirchheim family
- Financial, capital and asset management
- Parent company of four companies
  - nass magnet GmbH (Germany)
  - nass controls (USA)
  - nass magnet Hungária Kft. (Hungary)
  - nass magnet Shanghai Trading Co., Ltd. (China)

- Company group nass magnet
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**nass magnet GmbH**  
Eckenerstraße 4 - 6  
30179 Hannover  
Germany

## nass magnet GmbH

- Founded in 1978
- Around 320 employees
- Head office of the company group
- Central office for staff, IT, project management, purchasing, finance, sales (worldwide)
- Product and process development, quality management
- Product optimisation, development of variants, rationalisation
- Plastic injection moulding, machining, assembly, simulation, testing technology
- Construction of tools, moulds, fixtures, plants and prototypes
- Pilot valves, solenoid coils, valve systems, armature systems
- Special applications

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**nass controls**  
51509 Birch Street  
New Baltimore, MI 48047  
USA

## nass controls

- Founded in 1988
- Around 20 employees
- Sales and logistics for North America as well as countries in South America, Australia and Oceania
- Inspecting and adapting assembly groups to country-specific requirements
- Final assembly of production components
- Manufacture of market-specific variants and commercial goods

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### **nass magnet Hungária Kft.**

Henger utca 2  
8200 Veszprém  
Hungary

## **nass magnet Hungária Kft.**

- Founded in 1998
- Around 380 employees
- Coil winding and assembly
- Electronics manufacturing (industry)
- Injection moulding (coating)
- Electronics, electrical connectors, appliance outlets
- Distribution of appliance outlets (worldwide)
- Complete distribution and logistics for America, Italy, Eastern Europe and the Middle East
- Line sockets in accordance with DIN 175301-803 A/B/C/Micro
- Special applications

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### • Locations

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### • **China**

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### ■ **nass magnet Shanghai Trading Co., Ltd.**

Room 605-1. Building No.5 ,No.999  
Ning Qiao Road, Pudong New Area  
201206 Shanghai  
China

## **nass magnet Shanghai Trading Co., Ltd.**

- Founded in 2013
- Expansion on the Chinese market
- Service, distribution and logistics for China and Taiwan

An aerial, high-angle photograph of a city at night. The city is densely packed with buildings, and the lights from the windows and streets create a vibrant, glowing pattern. The city is situated on a peninsula or a narrow strip of land, with water visible on the right side. The overall color palette is dominated by blues, purples, and whites from the city lights.

**Sectors**

at a glance

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- Applications for security, personal protection and special purpose vehicles
- Applications in petrol stations to control purely mechanical pumps
- Applications in tankers to control purely mechanical pumps
- Regulating the height of automobiles and motorcycles
- ABS valve technology for HGVs
- Controlling brakes in trains and trams
- Controlling doors in trains and buses
- Controlling doors in security facilities
- Filling technology for baking agents, coffee, cement, plaster, etc.
- Applications in the agricultural industry for spreading fertilisers

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- Electromagnetic clutch in vehicles between the compressor and turbocharger
- Automatic tyre inflation for special purpose vehicles
- Pneumatic gearbox control for special purpose vehicles
- Automatic filling of battery sets in high-tech aggregates
- Pneumatic control in high performance switches with 100 kA
- Application in milk processing (milking robots)
- Application in the feed industry (automatic calf and pig fattening)
- Application in industry automation: Gripping, lifting, positioning, moving
- Application in maintenance units for compressors
- Application in medical beds (anti-decubitus beds)



Products and services

# Portfolio

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## Products

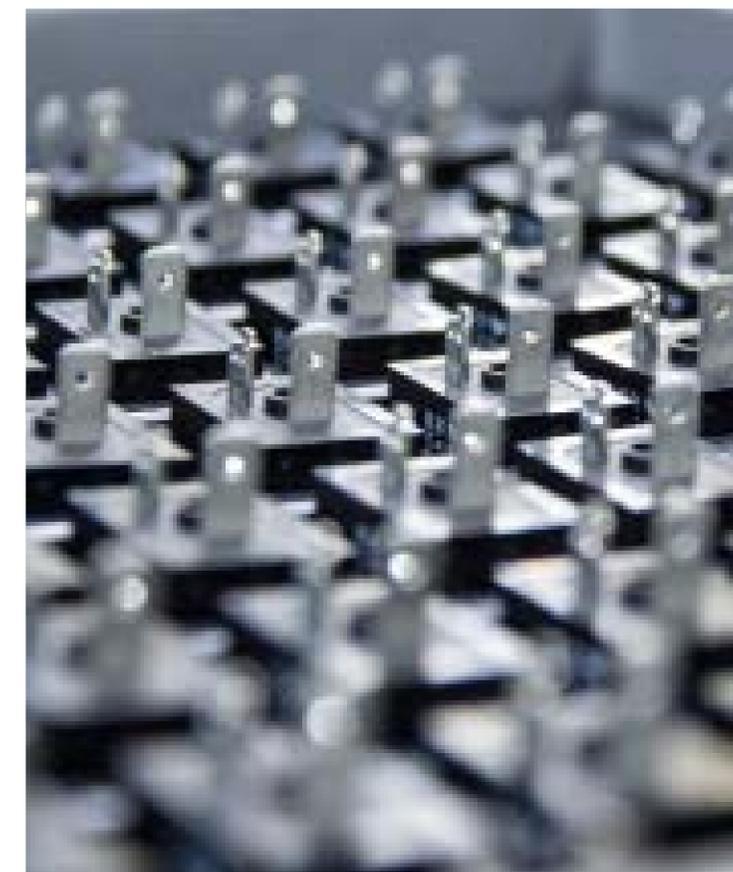
Our products range from electrical connectors, solenoid coils, armature systems and valve systems to very complex products in fields such as explosion protection and miniaturisation.

For special applications, we offer our customers optimal solutions with miniature valves and ATEX solenoid coils.

Miniature valves in *System 3-10*, *Cartridge 9* and *Cartridge 13* compact designs by *nass magnet* can be positioned perfectly.

In addition to function fittings such as non-return valves and pressure regulators, we also provide a fully comprehensive range of function fittings accessories.

Tailored solutions provide a successful addition to our range.



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## Skills and expertise

In addition to expertise acquired over 90 years, *nass magnet* possesses comprehensive skills from a single source that can be called upon at any time, and tackles the market head-on by meeting the necessary quality, environmental and security requirements.

The services provided range from assembly, turning, plastic injection moulding, and the construction of tools, moulds, plants and prototypes to test processes and adaptation of products to the respective customer interface.

The company group offers new development and pre-development processes for customer-specific products, including fundamental research, design, simulation, project and quote management and continual improvements and cost optimisation.

This medium-sized, world leading family business takes its slogan — *Innovation by nass magnet* — as a personal obligation and motivation to drive technological development and set industry trends.

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## Services

Be it construction, process design or the final validation in our laboratory — we will do all necessary and important steps in our own facilities in order to achieve a product that fully matches your requirements and can be used successfully.

A wide range of internal manufacturing facilities allow us, in addition to the flexible manufacturing, to produce rapid prototypes, tools, fixtures and installations. Our team of experts will assist you in finding solutions with modern simulation programs (for fluid flow, magnetic fields, rigidity values, plastic melt flow) and databases.

Due to our efficient construction process, you will benefit from the high level of detail in our solutions even early in the concept phase.

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## Component manufacturing - turning

### Modern turning lathes

- Diameter of turned parts ranging from 2 to 40 mm

### Small and large series

- CNC lathe, multi-spindle machine
- Steel, stainless steel, brass, aluminium or plastics

### Cutting edge IT

- SPC-supported production control

### Certified with DIN ISO 9001:2008

- As well as various supplier audits

### Machinery

- CNC long lathe ..... up to 40 mm diameter
- CNC lathe ..... up to 30 mm diameter
- 8-spindle lathe ..... up to 29 mm diameter
- 6-spindle lathe ..... up to 26 mm diameter
- Automated CHC degreasing system .....
- Centrifugal force and abrading machine .....

### Raw material

- Steel ..... does not rust, key feature: Magnetic  
..... stainless, quenched and machine steel
- Brass ..... simple (screw) machine parts up to  
..... complete processing of individual products
- Special material ..... aluminium and various plastics

### Machine expertise

- Efficient processing ..... diameter of 2 to 40 mm
- Degrees of tolerance ..... up to IT3 (4µm for 40 mm diameter)

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## Plastic centre

### Plastic injection moulding

- Thermoplastic, duroplastic, low pressure casting
- Injection volumes of 1 g to 500 g
- Horizontal and vertical injection moulding
- Fully automated injection moulding processes

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## The modular construction system

In the mid-1960s, Hannover-based Wilhelm Nass KG, as it was then known, introduced the first modular construction series onto the market — revolutionary standards in accordance with the modular construction principle which have stood the test of time and continue to be used to this day.

Our modular systems are made from solenoid coils, armature systems and valve solenoids. The system is separated according to the characteristic variable of the respective armature diameter.

The variety of possible combinations has enabled our components to meet all requirements to date.

For almost 50 years now, our modular systems have reliably served as an interface between pneumatic and electronic control systems in countless applications around the globe.



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## „System 6“ modular system

Made from solenoid coils, armature systems and valve solenoids, System 6 was developed to incorporate the progress made in miniaturising standardised, electromagnetic pilot control components. The performance of the components was optimised through simulation, design and many years of practical testing.

All the valve components have a diameter of around 6 mm. The System 6 modular system is mainly used as a pilot valve in pneumatics.

### General information

Armature diameter .....	6 mm
Structural width .....	16,5 mm
Pressure range .....	0 - 16 bar
max. power consumption .....	2,9 W / 4,0 VA
Nominal flow .....	12 - 27 l/min
Nominal capacity .....	1,0 W - 2,5 W
Nominal voltage .....	6 V DC - 230 V AC
Nominal width .....	0,6 - 1,0 mm
Ambient temperature .....	-10° C bis +50° C
Valve types .....	3/2, 2/2, NC, NO
(1->2, @6bar, Δ1bar, 0 °C)	



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## „System 8“ modular system

Consisting of solenoid coils, armature systems, valve solenoids and solenoid valves, cleverly defined system boundaries have allowed a structure to be created that efficiently produces a large contingent of common parts efficiently to this day. All the components in the *System 8* have an armature diameter of around 8 mm.

Since its market launch in 1973, the *System 8* modular system has primarily used 2/2-way or 3/2-way valves in pneumatics.

### General information

Armature diameter .....	8 mm
Structural width .....	22 + 30 mm
Pressure range .....	0 - 16 bar
max. power consumption.....	6,8 W / 10,5 VA
Nominal flow .....	12 - 90 l/min
Nominal capacity .....	1,0 W - 2,5 W
Nominal voltage .....	6 V DC - 230 V AC
Nominal width .....	0,6 - 1,7 mm
Ambient temperature .....	-10° C bis +50° C
Valve types .....	3/2, 2/2, NC, NO
(1->2, @6bar, Δ1bar, 0 °C)	



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## „System 13“ modular system

The designation *System 13* represents a modular system of solenoid coils, armature systems, valve solenoids and solenoid valves. It was launched on the market in 1979 and resulted from developments building on the *System 12* from the late 1960s.

The components are designed for use with compressed air and other neutral gases.

### General information

Armature diameter .....	13 mm
Structural width .....	30 + 36 mm
Pressure range .....	0 - 25 bar
max. power consumption.....	18,5 W / 24 VA
Nominal flow .....	50 - 210 l/min
Nominal width .....	1,0 - 3,5 mm
(1->2, @6bar, Δ1bar, 0 °C)	



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## Explosion protection

These special solenoid coils are suitable for use in Zone 1 and 2 potentially explosive areas. They are available with Ex approval according to general guidelines such as ATEX, IEC, CSA, FM, NEPSI, KOSHA and INMETRO.

Our operating facilities, certified according to the ATEX Directive 2014/34/EU, are encapsulated (Ex m), intrinsically safe (Ex i) and non-sparking (Ex nA) in accordance with the protection methods.

The modular Ex solenoid coils can be combined with the valve components from the *System 8* and *System 13* product groups. Their construction widths vary from 22 to 52 mm. They can be used for temperature class T4/T5/T6 in various power stages using both direct current (DC) and alternating current (AC).

■ **Tested and approved according to EN/IEC 60079 and DIN VDE 0170** by the Physikalisch-Technische Bundesanstalt (PTB) in accordance with European Community Directive 94/9/EC



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## Compact valves

The *nass magnet* product portfolio includes two different types of calibrated compact valves: Miniature valves for mounting on specified bodies with ISO circuit diagram and cartridge valves as mountable valve cartridges.

ISO valves are valves that can be mounted on flat flange surfaces (ISO 15218). They are designed according to DIN VDE 0580 and are available in widths of 10 and 15 mm. Their ultra-fine calibration ensures they can achieve consistently high flow rates in automation technology. The valves can be used at a low power of 0.4 to 1.8 watts.

All common direct current voltages (DC) as well as some voltages with alternating current (AC) are available.



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    - **Modular solenoid valves**
      - Armature systems
      - Solenoid coils
      - Valve systems
    - Compact valves
    - Valve connectors
    - Function fittings
    - Moulded parts
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## Modular solenoid valves

Our portfolio includes a wide range of systems that use our modular construction principle, as well as electrical connectors, function fittings and customer-specific and tailor-made projects.

All *nass magnet* products meet the conventional market requirements.

For example:

- Use in potentially explosive areas
- Smaller dimensions
- Compact design
- High output density
- Long lifespan



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## Armature systems

The actual valve of the *nass magnet* modular solenoid valve system. The stainless steel anchors are moved up and down within the anchor guide tube, perfectly sealing the valve seats in each end position.

Due to the various possible flow rates, our armature systems fulfil all necessary requirements. They are available from 7.4 mm to 18.2 mm in diameter and with flow rates between 12 l/min and 165 l/min.

Examples of possible pneumatic functions:

- 2/2-way normally closed (NC)
- 3/2-way normally closed (NC)
- 2/2-way normally open (NO)
- 3/2-way normally open (NO)



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## Solenoid coils

The interchangeable part of the *nass magnet* modular solenoid valve system. The coil is placed on the armature system where it lifts the armature from the valve seat when power is supplied. The overall widths of the solenoids vary from 16 mm to 36 mm.

All the common voltages are available in DC and AC versions. Various electrical connections are available, including the usual valve connections: Model A, industrial Model B, Model C and Micro model.

Examples of special connection options:

- Strands
- Cord
- M12 thread connection
- Bayonet connection



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## Valve systems

These consist of a valve body with a pre-assembled armature system and are available with or without manual override. Manual overrides are offered in bistable and monostable versions.

*nass magnet* also offers a huge variety of valve bodies:

For example:

- SF (side-flanged)
- KR (concentric o-rings)
- GKR (concentric o-rings with ducted exhaust air separate the gas via the valve body)
- CNOMO (interchangeable range)



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## Miniature valves

The compact solenoid valves in the *System 3-10* and *System 6-15* are known as „tiny tubes“.

These miniature valves are small, high-performance and very reliable. Their high versatility means they can be used for a wide array of applications — from the food industry and agricultural technology to medical technology.

All the compact valves are calibrated to provide consistently high flow rates in automation technology. Adaptations can be made upon request.

### ISO valve „3-10“

Structural width ..... 10 mm  
Armature diameter ..... 3 mm  
Max. power consumption ..... 1.2 W  
Nominal width range ..... 0.5 - 0.8 mm  
Pressure range ..... 1 - 10 bar  
Nominal flow ..... 7 - 13 l/min  
(1->2, @6bar, Δ1bar, 0 °C)

### ISO valve „6-15“

Structural width ..... 15 mm  
Ankerdurchmesser ..... 6 mm  
Max. power consumption ..... 1.8 W  
Nominal width range ..... 0.5 - 1.3 mm  
Pressure range ..... 1 - 10 bar  
Nominal flow ..... 10 - 45 l/min  
(1->2, @6bar, Δ1bar, 0 °C)



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## Cartridge valves

The range of compact valves is rounded off by our cartridge valves. Their dimensions are extremely small. These small valves can be used for industrial pneumatics, as well as in medical technology.

### ■ Cartridge valve „C9“

Structural width ..... 9 mm  
Armature diameter ..... 3 mm  
Max. power consumption ..... 1 W  
Nominal width range ..... 0.5 - 0.8 mm  
Pressure range ..... 1 - 10 bar  
Nominal flow ..... 10 - 17 l/min  
(1->2, @6bar, Δ1bar, 0 °C)

### ■ Cartridge valve „C13“

Structural width ..... 13 mm  
Armature diameter ..... 4 mm  
Max. power consumption ..... 1.8 W  
Nominal width range ..... 0.5 - 1.1 mm  
Pressure range ..... 1 - 10 bar  
Nominal flow ..... 10 - 24 l/min  
(1->2, @6bar, Δ1bar, 0 °C)



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## Valve connectors with cable

Unser Sortiment umfasst teilkonfektionierte Steckverbinder „mit angespritztem Kabel“ für Magnetventile mit den beliebtesten elektronischen Anschlussbildern:

- Form A with 18 mm pin spacing  
(ISO 4400, EN 175301-803 and old DIN 43650A standards)
- Form B with 10 mm pin spacing  
(ISO 15217, EN 175301-803 and old DIN 43650C standards)
- Form C with 8.0 mm pin spacing  
(ISO 15217, EN 175301-803 and old DIN 43650C standards)
- Industrial Form Type B with 11 mm pin spacing
- Micro Type C with 9.4 mm pin spacing



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## Valve connectors without cable

These types of valve connectors have IP65 enclosures and are suitable for hydraulic and pneumatic solenoid valves, sensors, electric motors, pressure switches and many other applications. All connectors can be assembled as desired. Design features include cable mounting diameters of 4 to 10 mm and optional case covers. All *nass magnet* valve connectors can be purchased with or without integrated electronics.

Examples of integrated technology that can be included:

- LEDs
- Dual-colour LEDs (for pressure switches)
- Rectifiers
- Energy saving (PWM)
- Timers
- TVS diode



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## Function fittings

These are screw-in pneumatic valves such as non-return valves, pressure regulators, and supply air and exhaust air throttles for controlling and regulating compressed air networks.

Our offer includes:

- Internal thread connection, push-in connection and hose connection banjo fittings available
- Internal thread connection can be either NPT or pipe thread (G)
- NPT screw fittings: 1/8 inch, 1/4 inch, 3/8 inch, 1/2 inch
- Pipe thread designs: G 1/8, G 1/4, G 3/8, G 1/2
- Push-in connector hose diameter:
  - 4 to 10 mm, 5/32 inch, 1/4 inch, 3/8 inch
- Hose connector: 6 to 10 mm diameter
- Temperatures from -10 °C to +70 °C
- Pressure ranges from 1 to 16 bar (15 to 232 psi) and 1 to 10 bar (15 to 150 psi) for our pilot-operated non-return valves



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## Coil body

Thermoplastic carrier for enamelled copper wire with different wire diameters and winding counts. The size and type of the coil body have an effect on the electrical values of our solenoid valves. All *nass magnet* coil bodies can be purchased with or without side flanges.



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## Turned parts

Metal components, rotationally symmetrical in design, which are processed by turning and drilling during the manufacturing process. Our portfolio ranges from manufacturing prototypes and individual parts right up to small and large orders.



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## Customer-oriented projects

If our standard range isn't quite enough or if you have specific requirements, we can carry out your specific wishes — always adhering to our slogan: *innovation by nass magnet*.

We also provide the production equipment in an optimal configuration.



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## The Twin Boost System

When installed in a car, the twin boost system regulates the adaptive air suspension, i.e. the pneumatic suspension including controlled damping of the body at different levels, which controls the distance between the car and the ground.

Twin boost provides a smooth ride with optimum comfort and a sporty feel when driving.

Since 2014, the system has been produced in large numbers in Veszprém, Hungary, for German and American premium manufacturers.

Courtesy of WABCO  
Source: WABCO



— Luftleitungen  
— elektrische Verbindung  
— Flexray-Bus





Competent advise from A - Z  
**Sales organs**

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## Standard components

Thanks to its modular construction, even our basic range offers a remarkably large array of variants and, in this way, is able to fulfil most of our customers' needs. If you have any questions or requests about our products, feel free to ask our experienced sales team from Monday to Friday between 08:00 and 17:00.

### Stephan Prigge (Head of Sales)

☎ +49 (0) 511 6746 - 229

✉ [stephan.prigge@nassmagnet.de](mailto:stephan.prigge@nassmagnet.de)

### Karsten Langer (Sales Engineer)

☎ +49 (0) 511 6746 - 220

✉ [karsten.langer@nassmagnet.de](mailto:karsten.langer@nassmagnet.de)

### Andreas Hohgräbe (Sales Engineer)

☎ +49 (0) 511 6746 - 224

✉ [andreas.hohgraebe@nassmagnet.de](mailto:andreas.hohgraebe@nassmagnet.de)

### Andreas Obst (Sales Engineer)

☎ +49 (0) 511 6746 - 284

✉ [andreas.obst@nassmagnet.de](mailto:andreas.obst@nassmagnet.de)

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## Sales Projects

If you have needs that do not line up 100% with our existing range, no problem: The corporate group uses its tailor-made solutions for any customer request that doesn't match 1:1 with our existing product range, but rather goes beyond it.

### ■ **Stephan Prigge** (Head of Sales)

☎ +49 (0) 511 6746 - 229

✉ [stephan.prigge@nassmagnet.de](mailto:stephan.prigge@nassmagnet.de)

### ■ **Jens Harrasz** (Sales Projects)

☎ +49 (0) 511 6746 - 227

✉ [jens.harrasz@nassmagnet.de](mailto:jens.harrasz@nassmagnet.de)

### ■ **Marcel Rösler** (Sales Projects)

☎ +49 (0) 511 6746 - 277

✉ [marcel.roesler@nassmagnet.de](mailto:marcel.roesler@nassmagnet.de)

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## E-Commerce

The *nass magnet* B2B-Onlineshop is open around the clock. We will be happy to join you live during your purchase to assist you and give you all the necessary information.

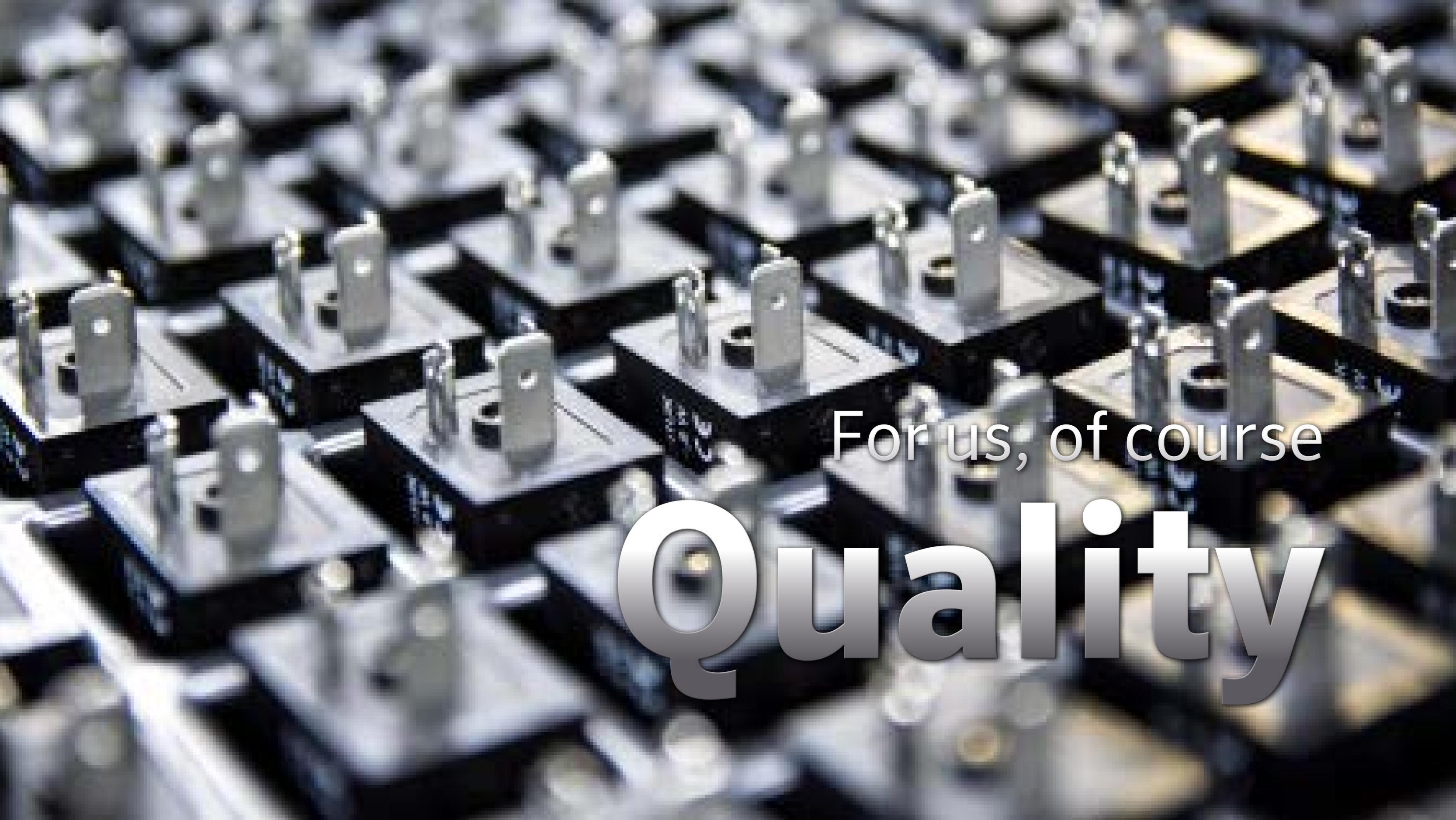
### ! Claudia Kirchner (Sales)

☎ +49 (0) 511 6746 - 5999

✉ [info@nassmagnet.com](mailto:info@nassmagnet.com)

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[www.nassmagnet.com](http://www.nassmagnet.com)



An aerial, high-angle view of a city grid. The streets are dark, and the buildings are light-colored, creating a strong geometric pattern. The perspective is from a high altitude, looking down at the city. The lighting is bright, creating strong shadows and highlights on the buildings and streets.

For us, of course

**Quality**

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## Quality policy

For all our products, we strive to be the best in terms of quality and innovation. The competitiveness of our products, which goes hand in hand with the highest quality, is ensured by optimised and standardised processes.

By constantly carrying out quality assurance checks on all purchased parts and production processes, we adhere to our customers' desires and requirements for high-quality, faultless products. Our aim is to look after and supply our customers in a committed and reliable way, while always meeting the agreed deadline.

Our innovations aim to save energy and resources for our customers.

We are continually optimising our procedures and structures, supported by a continuous improvement process as well as consistent internal and external audits.

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## Certificates

Quality products and production methods are defined by current certification guidelines. These guidelines and our customers' expectations regarding the quality of our products shape *nass magnet's* entire workflow. Constant improvement, continually motivating and training our employees and the use of modern testing systems are also key building blocks of our systematic quality management.

- DIN EN **ISO 9001:2015**
- IATF **16949:2016**
- DIN EN **16247-1**

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## Standards

### General considerations

- DIN VDE 0580
- DIN VDE 0110

### IP protection

- DIN VDE 0470
- DIN EN 60529

### Electrical interfaces

- DIN EN 175301-803
- DIN 72585-1
- IEC 61076-2-101

### Pneumatic interfaces

- ISO 15218 (*mounting interface surface*)
- DIN VDE 0110

### Flow rates

- ISO 6358 (*determination of flow-rate characteristics*)
- DIN VDE 0110
- CETOP RP 50 P

### Switching times

- ISO 12238

### Compressed air

- ISO 8573-1 (*compressed quality class*)

### Varnished wires

- DIN EN 60317

### Explosion protection

- IEC / EN 60079



90 years of development  
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## Development

Our history, spanning more than 90 years, represents continuity of economic development, as well as flexible adaptation to times and markets.

In this way, the company group *nass magnet* has always made it through crises that much stronger, and has thus been able to expand further over time.

*nass magnet* is still growing to this day.

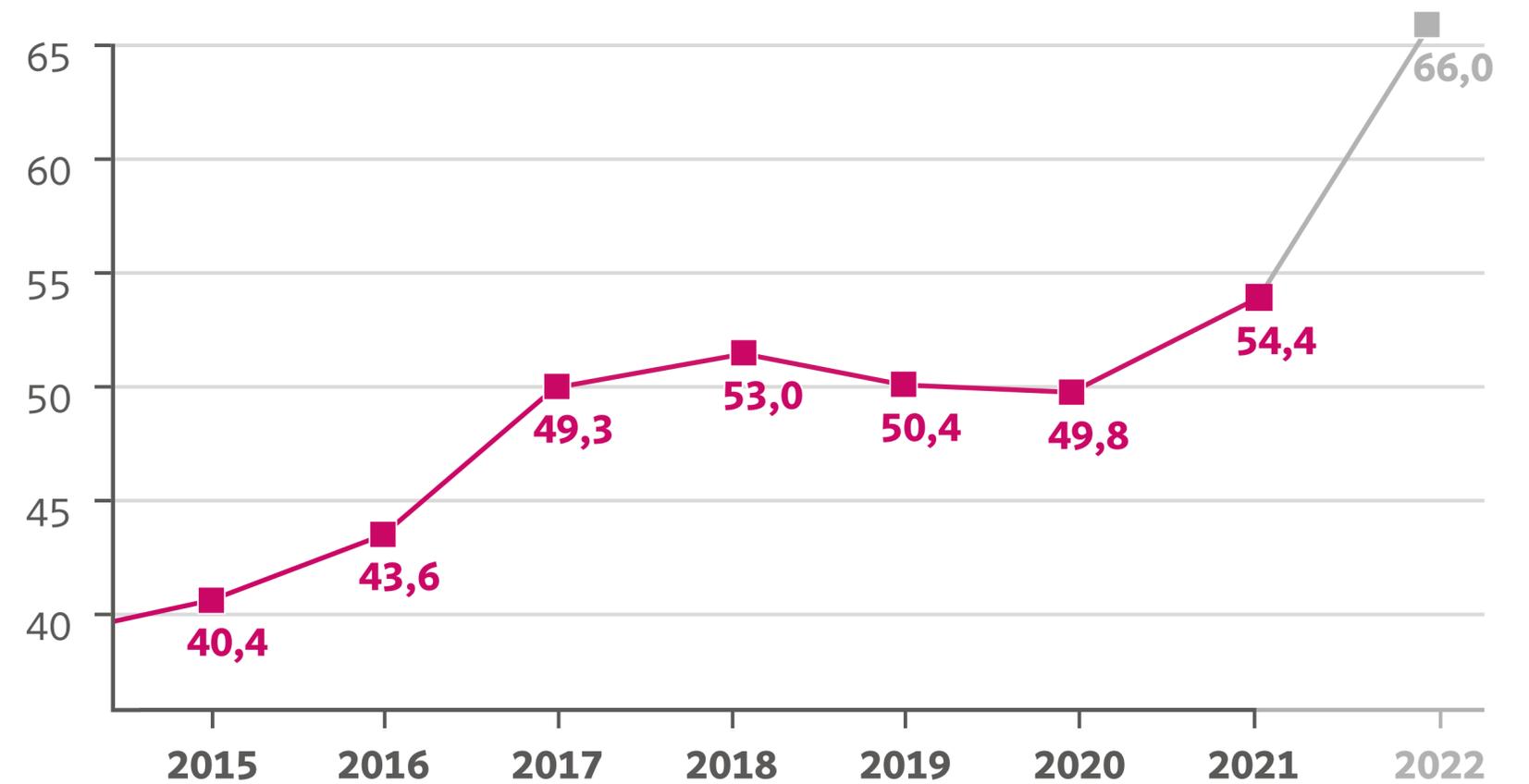
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Sales figures 2015 - 2022

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## Sales figures 2015 - 2022



\*consolidated sales in millions of euros

A black and white photograph of a coastal town. In the foreground, a large, three-dimensional sign is mounted on a building's facade. The sign consists of two rows of letters: the top row reads 'nass' and the bottom row reads 'magnet'. The letters are stylized and have a shadow effect. The background shows a wide view of a town built on a hillside overlooking the ocean. The sky is bright and hazy, with several birds flying in the distance. The overall tone is historical and nostalgic.

Innovation with tradition  
**History of nass magnet**

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### **NASS-MAGNET in the 1930s**

A working day in the former workshop Nass at the Ihmebrücke in Hannover, Germany

## 90 years of growth

Our story dates back to 1925 — Wilhelm Nass, a one-man business at the time, initially repaired cameras and film projection equipment in his workshop in Hannover. After this came the development, production and sale of precision mechanical parts and devices for various branches of industry.

At the end of the 1930s, the first electromagnetic components were launched and, 30 years later, the first modular model ranges were introduced — revolutionary standards according to the modular principle.

In 1978, the Wilhelm Nass family company was taken over by the Holding Kirchheim. From then on, the company was called *nass magnet*.

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## Milestones 1925 - 1974

### 1925

Founding of Willhelm Nass family business, Hannover  
Founding of Concordia Maschinen & Elektrizitäts GmbH, Stuttgart

### 1930

Manufacture of precision mechanical parts and devices

### 1932

First production for solenoid valves and pneumatic pilot controls by the company Willhelm Nass

### 1939

Manufacture of the first electromagnetic components

### 1950

Repair of cameras and accessories as well as the production of Precision turned parts, equipment and machinery

### 1951

Wilhelm Nass OHG produces all kinds of electromagnets

### 1953 - 1957

Stocking sewing for nylons with pneumatic needle drive

### 1958

Wilhelm Nass OHG moves from southern Hannover to Eckenerstraße 6 in the Hannover Vahrenheide district

### 1960 - 1969

First standards according to the modular principle (*System 18*, *System 16* and *System 12*)

### 1974

Kirchheim KG (formerly Concordia Maschinen- und Elektrizitäts GmbH, Stuttgart) takes over 60 percent of the shares in Wilhelm Nass KG

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## Milestones 1978 - 2017

- **1978**  
Takeover of the Wilhelm Nass corporation (electromagnet factory) by the Holding Hofmann + Kirchheim KG, Stuttgart  
Willhelm Nass KG is converted into Nass Magnet GmbH
- **1988**  
Founding of Nass Controls, New Baltimore/USA
- **1996**  
Founding of Precision Controls Bt., Veszprém/Hungary
- **2004**  
Precision Controls Bt. in Veszprém/Hungary is renamed Precision Controls Kft.
- **2011**  
Precision Controls Kft. becomes nass magnet Hungária Kft.,  
Founding of nass magnet Shanghai Trading Co., Ltd.
- **2013**  
Relaunch of the company websites for Europe
- **2013**  
nass magnet Shanghai Trading Co., Ltd. in Shanghai/China begins operations
- **2015**  
Launch of the „B2B-Onlineshop nass magnet“,  
Relaunch of the company website for the USA
- **2016**  
Launch of the nass logistics centre in Hungary
- **2017**  
Launch of the „B2B-Onlineshop nass controls“,  
Birth of the company mascot Nascot (original: Nasskottchen)



Upcoming times  
**visions**



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## Onwards and upwards

Dear visitors and business partners!

Thank you for your interest in our company. We are the right partner for you!

Even in the future, with more than 100 years of experience, the medium-sized family business from Hannover will continue to:

- Make its customers an even higher priority and offer all the necessary steps, from product and process development to final validation, in one place, providing a remarkable breadth of service and manufacturing.
- Ensure the economic success of its company in the interests of its customers, employees, shareholders and the environment, always keeping in mind its corporate social responsibility.

Yes, we are the right partner for you!

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## Contact us

Discover our products in the **B2B-Onlineshop**, visit our website at **[www.nassmagnet.com](http://www.nassmagnet.com)** or just give us a call — the company group *nass magnet* is ready to take up your challenge any time!

