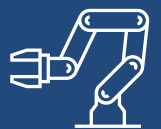




INDUSTRIAL POWERISE®

The new class of linear actuators

MECHANICAL
ENGINEERING



INDUSTRIAL POWERISE®

POWER MEETS CONTROL

Industrial POWERISE® is the new class of ergonomic-focused linear actuators for elegant, precise, and powerful motion control.

They protect high quality components in a variety of applications in mechanical engineering and industrial systems. At the same time, they facilitate ergonomic work and relieve workers from difficult and time consuming tasks in assembly, operation, and maintenance.



INSPIRATION THROUGH MOVEMENT

Thanks to the wide range of options available, Industrial Powerise® offers drive solutions to handle exactly the tasks you need: from robust, functional base variants to the smart flagship of the product family. We offer high connectivity for demanding applications.

You also benefit from proven features like maintenance free performance or convenient manual adjustment, in addition to electrical movement. Alongside our globally leading pneumatic springs – a system range unique within the industry where you can create new, custom and innovative product ideas.

HIGHLIGHTS



INTEGRATED CONTROL

Integration of the ECU (electronic control unit) in the drive (for SMART models)



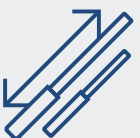
SAFETY INTEGRATED

Safe control according to EN ISO 13849-1 (for IPR40 Smart and the external ECU)



APPLICATION ENGINEERING

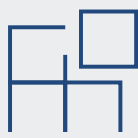
Partnership to develop exactly the right solution for your requirements



ACTUATOR PLUS GAS SPRINGS

Unique combination of dynamic force and load compensation

- Faster movement
- Higher weights possible
- Smoother manual movement



MODULAR SYSTEM

Custom configuration and simple adjustment on a modular basis



AUTOMOTIVE DNA

Stabilus is the no.1 OEM in the industry with the IATF certified drive of the Automotive POWERISE®

APPLICATIONS WELCOMING VARIETY

From precise machine tools to automated production lines, highly sensitive laser technology or semiconductor manufacturing: standards for availability, productivity, and error-free performance continue to increase. Because of this, efficiency and safety are essential when accessing components, motors and electronics.

Industrial POWERISE® drives get the job done in these applications every day. Easy opening and closing of assembly and maintenance flaps is just one of many different potential applications.

Thanks to Industrial POWERISE®, even heavy flaps react at a movement or at the push of a button, and remain securely opened. Operating elements can also be easily and ergonomically adjusted to a worker's individual strength and body size.

Mechanical engineering and automation



Adjustment units



CUSTOMIZED SOLUTIONS FOR YOUR APPLICATIONS

- Flaps and covers
- Adjustment units
- Sliding doors



Curious about other applications in the mechanical engineering and industrial systems area?

Learn about more example applications on our website:
www.stabilus.com/industrial-powerise

INDUSTRIAL POWERISE®

ALWAYS A CONSTRUCTIVE SOLUTION

Innovation

POWER MEETS PERFECTION

With Industrial POWERISE®, the possibilities are almost limitless for your products. Let your customers feel the quality in every motion:

- Best-in-class silent movement for vehicle interiors
- Maintenance free throughout the entire life cycle
- Wide diversity of applications through combination with gas springs
- Optional: comfortable manual adjustment
- Ensuring ergonomic, safe movement in every situation

Design

POWER MEETS INTEGRATION

From the standard variants to custom adjustments: Industrial POWERISE® offers you multiple options to translate your product ideas into intelligent designs:

- Standard variety of configurations for horizontal, vertical and adjustment movements
- High power density, streamlined design and 1-click installation – efficient integration into your product
- Internal or external control unit
- Alternative to standard variants: custom configuration (from 2024) or own series development

Implementation

POWER MEETS PARTNERSHIP

Modular design and high degree of integration consistently reduce costs of your manufacturing, assembly, and replacement parts storage. In addition, we also offer flexible business models in line with your purchasing strategy:

- Rapid availability of Industrial POWERISE® standard variants from a quantity of 1 through our expert brand ACE
- Custom design supported by Application Engineering through our expert brand HAHN (from early 2024)
- Joint series development in partnership with Stabilus

YOUR DECISION FOR EXPERIENCE AND QUALITY

With Industrial POWERISE®, you benefit from the success story we have been writing alongside the automotive industry for over 20 years. The POWERISE® was introduced in 2002 for closing the car doors of the Mercedes-Maybach Sedan.

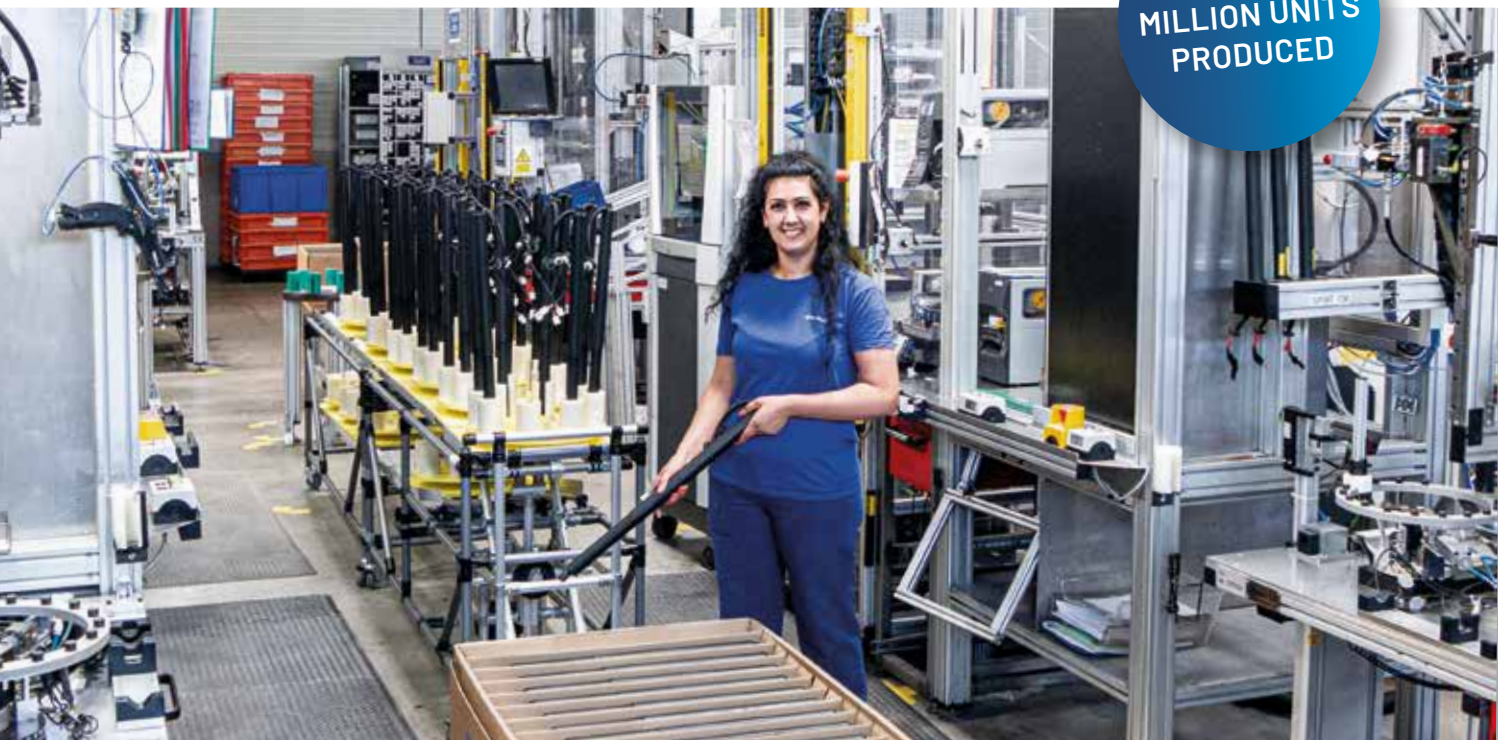
Since that time, over 50 million units have been produced and installed for almost every major manufacturer – as the high quality standard that has long since moved beyond the luxury class.

Our experts used the proven reliability and durability of the POWERISE® as the foundation to develop the platform for different industrial requirements in a targeted way.

The result: Industrial POWERISE®.



POWERISE® first used in 2002 in the car doors of the Mercedes-Maybach



Over 50 million units produced for passenger car lift gates.

TECHNOLOGY

100% "INDUSTRIAL"

POWERISE® drives are available with spindle pitches between 2 to 30 mm. That means they open up all new application approaches with minimal manual adjustment force and comfortable function – even without power. Industrial POWERISE® remains ready to use, even where drives with self-locking feature can no longer be moved, or require complicated uncoupling.

INDUSTRIAL POWERISE® IPR40 & IPR35



Proven mechanical components

Self-locking or adjustable

Ready for industry:
up to IP67 protection class

Modular and configurable
for your application

NEED EVEN MORE POWER? ANYTIME!

Our system approach is also unique: Industrial POWERISE® drives can be combined with other Stabilus Group products such as gas springs or struts for even more power.

An optional mechanical spring in the drive delivers additional power assistance for particularly challenging applications.



Contact our experts!

Stabilus application experts offer comprehensive advising and software supported support in choosing the right overall package.

✉ industrial.powerise@stabilus.com

PRODUCTS

A FAMILY WITH POWER

The combination makes the difference

Every industrial application is different. Industrial POWERISE® offers a range of options even in the standard variants: This includes different combinations including of spindle pitch, force, stroke and speed, external or internal control units and/or graduated communication options up to a CAN bus interface. Even with much configuration freedom, streamlined dimensions allow for ergonomic product design.

You have a choice:

- From the factory by ACE
- Adjustment via Hahn Gasfedern (from 2024)
- Custom development with Stabilus



IPR35

- External controller
- Ideal for moderate forces up to 2.5 kN
- Standard products for different applications and configurations

Fall 2023*



IPR35 SMART

- Integrated control
- Synchronous operation of up to four drives
- Simple activation

January 2024*



IPR40

- Built-in limit switch
- Active and passive forces up to 5 kN
- Various connection options

April/May 2024*



IPR40 SMART

- Internal control
- Safety according to EN ISO 13849-1
- CAN bus communication

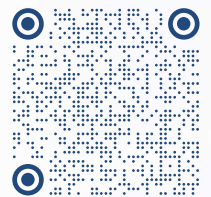
End of 2024*

YOUR MOTION. OUR SOLUTION.

STABILUS

THE GLOBAL MOTION CONTROL SOLUTION PROVIDER TO THE INDUSTRY

- Specialized industrial brands with unique solutions and expertise for each market.
- Wide product range – from simple to complex requirements across all industries.
- Broad global presence that closely connects us with all markets.



Stabilus group of industrial brands

STABILUS

Globally leading series gas spring manufacturer meeting highest automotive quality standards for industrial products in all plants.



FABREEKA
A STABILUS COMPANY

Leading supplier for individual vibration isolation and shock control solutions.



ACE
A STABILUS COMPANY

Expert in industrial damping and deceleration with excellent customer support satisfying most demanding application requirements.



HAHN
GASFEDERN
A STABILUS COMPANY

Experienced provider of customized and special gas springs with very fast time to market.



General Aerospace
A STABILUS COMPANY

Innovative supplier of distinctive airline motion control solutions.



TECH PRODUCTS
A STABILUS COMPANY

Experienced manufacturer of elastomeric vibration isolators and shock mounts.



Stabilus GmbH

Wallersheimer Weg 100

56070 Koblenz

Germany

T +49 261 - 8900-0

info@stabilus.com

www.stabilus.com

QR code takes you to our
International Locations



in @stabilus

f @stabilusgroup