



INDUSTRIAL POWERISE®

The new class of linear actuators

COMMERCIAL
VEHICLES



INDUSTRIAL POWERISE® POWER MEETS CONTROL

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

It delivers more occupational safety and comfort within a wide range of commercial vehicle applications, with less maintenance required.



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)



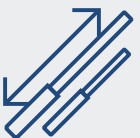
SILENT MOVEMENT

Best-in-class noise performance for sensitive environments



APPLICATION ENGINEERING

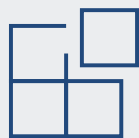
Partnership to develop exactly the right solution for your requirements



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

Commercial vehicles have to withstand long work days – as do the workers who operate them. The work environment is demanding for people, and for their vehicles.

Safety, comfort, and performance are essential for both, along with reduced fatigue.

Industrial POWERISE® drives get the job done, every day. They ensure safe and controlled opening, closing, lifting, lowering, holding and adjustment. From doors to windows, flaps, covers, spoilers, cab walls, luggage compartments, storage areas, maintenance hatches or other movable elements in different commercial vehicle categories, from agricultural vehicles to trucks and RVs and to specialized vehicles.

Construction vehicles



Heavy trucks



Buses



Caravans and RV's



CUSTOMIZED SOLUTIONS FOR YOUR APPLICATIONS

AGRICULTURAL VEHICLES

- Cab windows and doors
- Maintenance doors
- Improved ergonomics (steering wheel adjustment, retractable access assistance)

CONSTRUCTION VEHICLES

- Cab windows and doors
- Maintenance doors
- Hoods

BUSES

- Storage area and side doors
- Doors
- Interior luggage compartments

HEAVY TRUCKS

- Hoods
- Doors
- Sleepers

CONVEYING TECHNOLOGY

- Cab windows and doors
- Battery cover
- Restraint driver protection systems

CARAVANS AND RV'S

- Pop tops
- Side flaps / rear garages
- Beds (adjust, move, unfold)

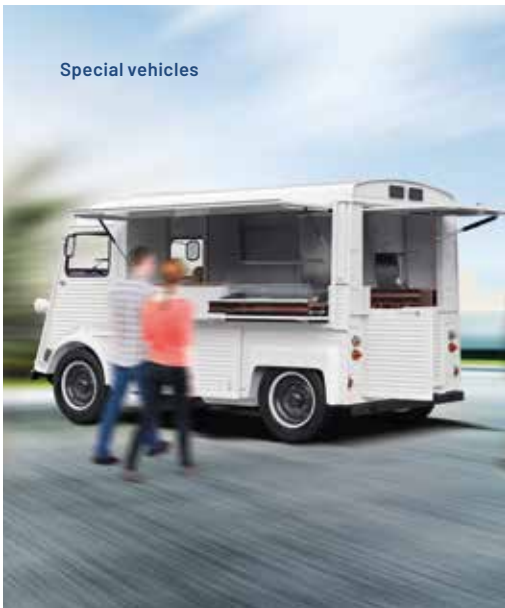
SPECIAL VEHICLES

- Canopy / lift gates
- Ramps
- Sales vehicles / sales flaps
- Cable actuation of specialty features parking brake
- Maintenance or storage doors/covers

VISIT OUR
360° BUSINESS PARK:



Special vehicles



Agricultural vehicles



Curious about other applications in the commercial vehicles 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.

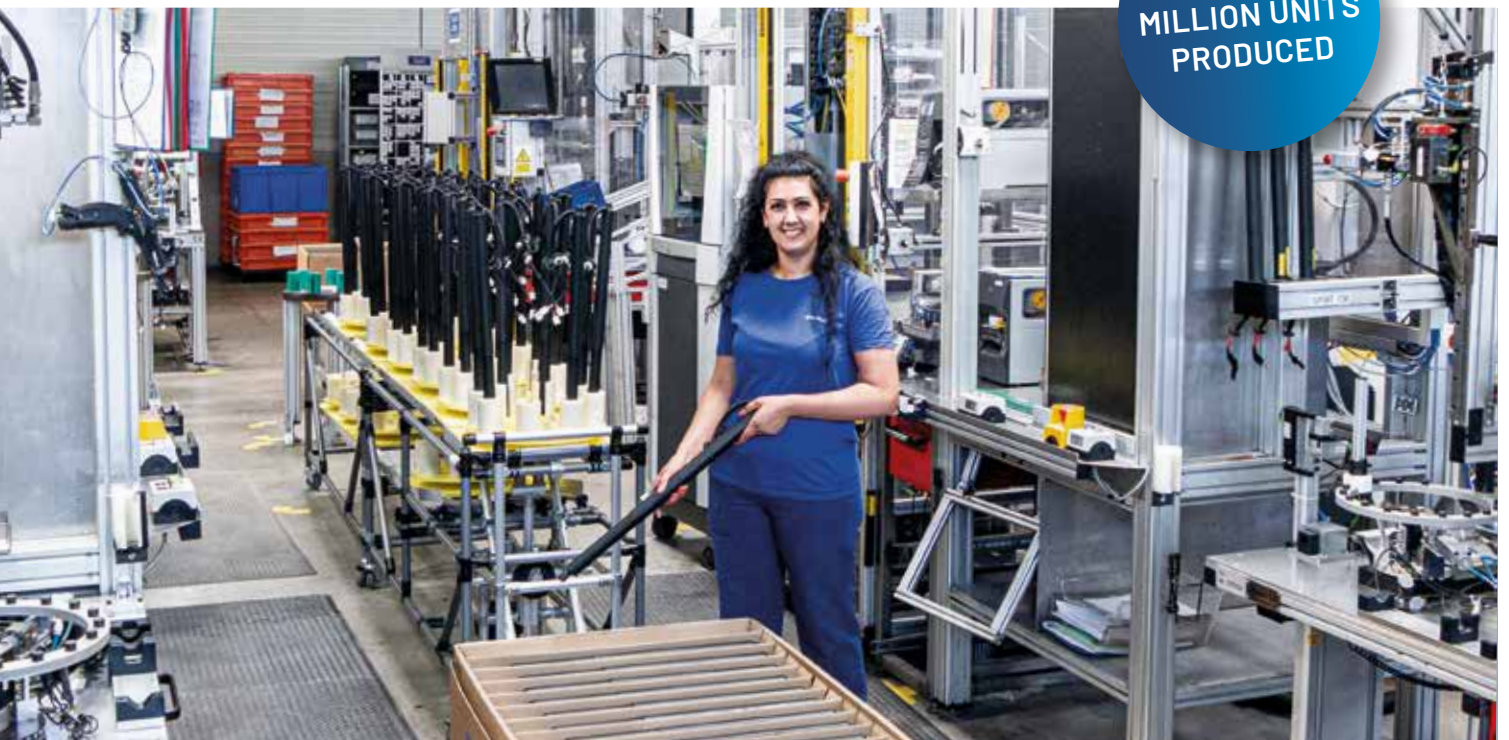
Our experts used the proven reliability and durability of the POWERISE® as the foundation to develop the platform for different industrial requirements in a targeted way.

The result: Industrial POWERISE®.



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

**+50
MILLION UNITS
PRODUCED**



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



Ready for industry:
up to IP67 protection class

Self-locking or adjustable

Proven mechanical
components

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

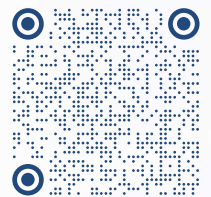
End of 2024 *

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.



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