

Gripper Systems

for the Body Shop Automation





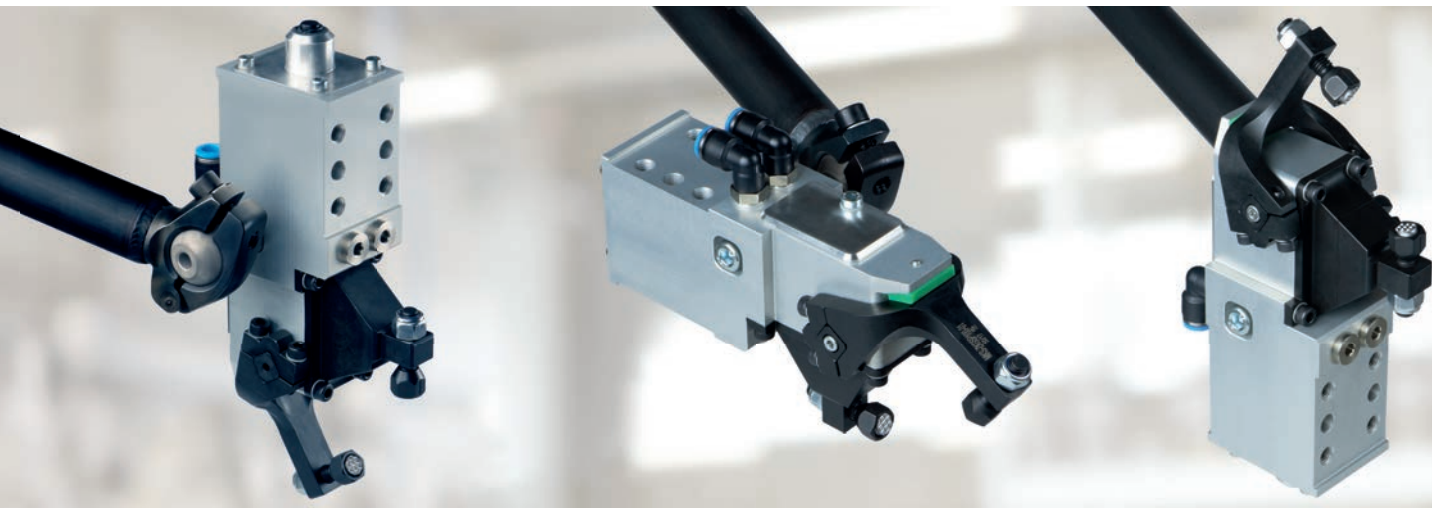
Flexible reproduction with highest precision

Incomparable many combinations are possible due to the diversity of the components and the simplicity of the mounting principle.

The Springer body shop gripper systems enable the handling of metal parts as well as plastic components like for example carbon fiber-reinforced plastic (CFRP).

This gives you the following benefits:

- Flexible components with multifunction enable a reduction of the component diversity to be maintained
- Precise replicability enable delay-free modifications and fast recommissioning after a failure-related downtime
- The most versatile combinability leads to a significant reduction of components and therefore to a substantial weight reduction



Compact, lightweight and wear-resistant

Our optimized product range is based on a standardized component supply. The light and hard wearing components enable new constructive solutions. The future of automation is determined by digitization and the used materials.

Lightweight construction with materials like aluminium and hybrid techniques results in more efficient handling furthermore energy and material savings.

Latest equipment combined with extensive experience

We develop in cooperation with you optimal solutions. By working constructive together you benefit by our many years of insight in the different fields of automation and system development.

www.springer.group/body-shop-automation/



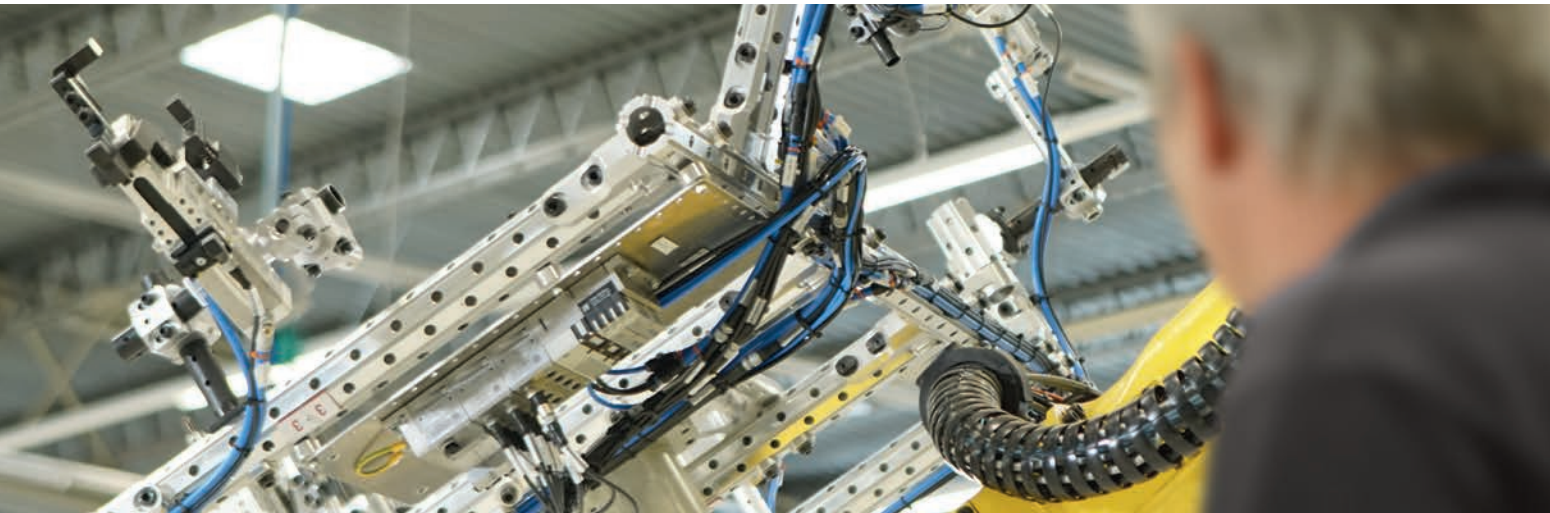
Construction, commissioning and documentation

Our services include besides the engineering of products with 3D-CAD software the production of the complete documentation (2D- and 3D-data). The Springer GmbH provides the execution of the entire project management as well as the development of specification sheets for the body shop automation.

Our engineering rises the challenges of emerging automation processes. Therefore we are the right partner for challenging engineering solutions starting with a single automation component up to complex handling systems.

Our service features include:

- Project management, analysis and improvement
- Development of requirement specifications for the body shop and press plant automation
- Installation and commissioning of Springer-products on site
- Preparing the documentation
- Training of your employees in assembly and installation of Springer-systems



Driven by Automation

Springer Group is helping to shape the development on the automation market with innovation, flexibility and high-quality products. Optimum process planning, high-quality automation components and matchless service are what make the company stand out. We use our capacities for innovation and work with you to develop and implement visionary ideas for tomorrow's technologies.

Toolings – process oriented

Standardized Springer gripper components and individual gripper systems are suitable for automation, even in other sectors than metal- and plastics processing industry. Should our product range not have anything suitable for you, we can also solve challenging tasks by designing and making special custom parts.

Technologies for the automation of tomorrow

Our technological developments mean we stay on top of market dynamics. We create visions for the production of tomorrow and so we play a significant role in shaping the progress in factory automation.

Intelligent models and realistic simulations by Springer lead to safe, fast solutions as well as optimized processes. This is how we meet demands to significantly reduce development times and to make automation processes effective. This leads to faster commissioning and high system availability.



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