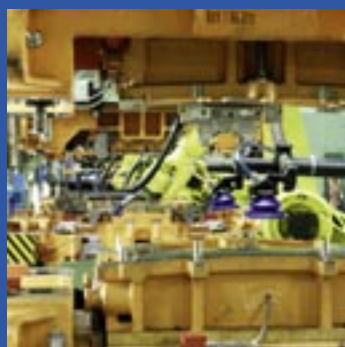


SPRINGER — EXPERIENCE INNOVATION



Press plant automation

Springer 

Press plant and body shell automation

# SPRINGER

The company, founded in 2001, is based in Stuhr, Northern Germany. Currently Springer employs over a 190 members of staff.

It's premises span 10,500 m2.

It's core business includes engineering, drawings, production and assembly of systems and components for press plant and body shell automation for the worldwide vehicle industry and its suppliers.

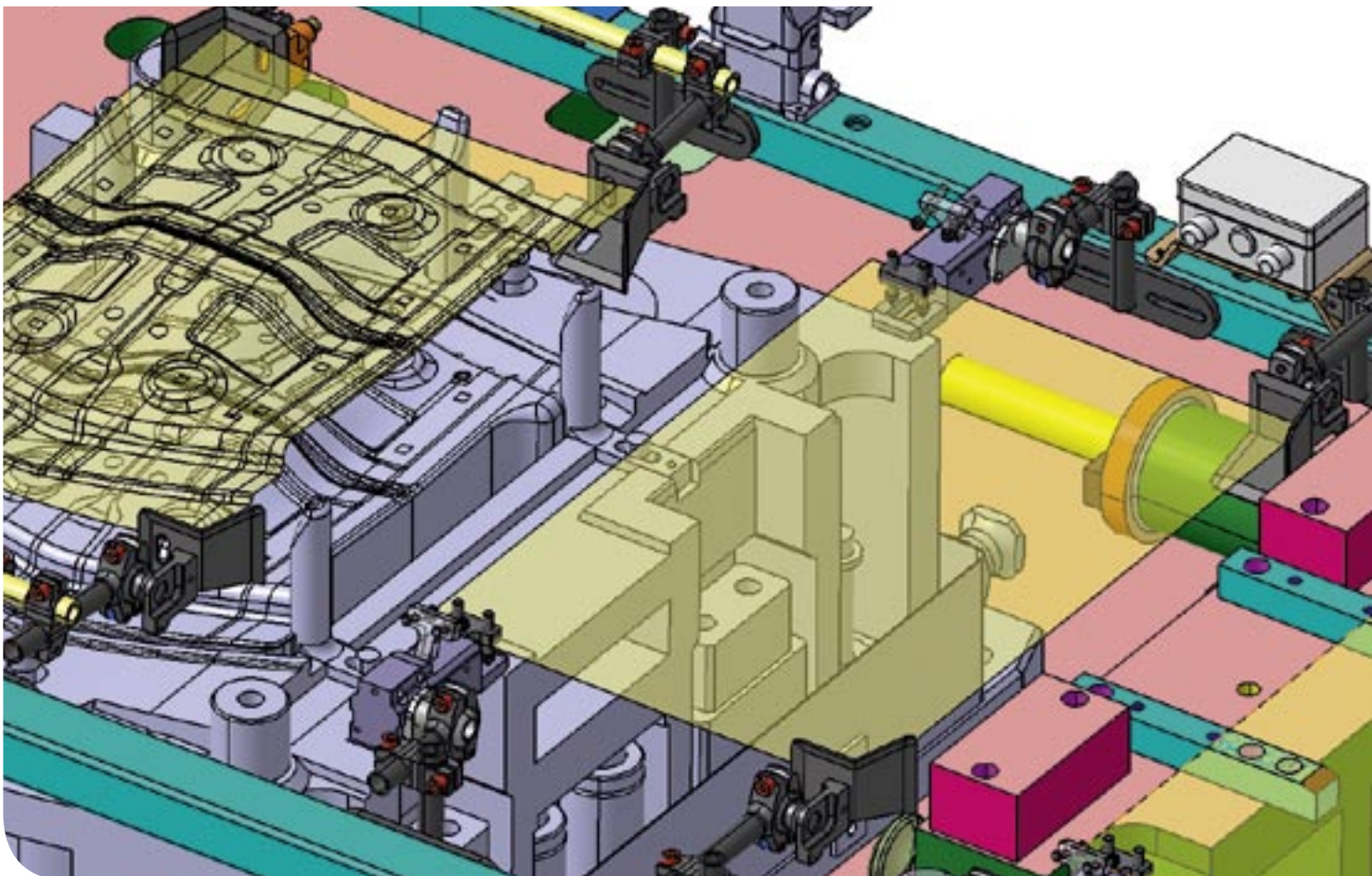


### Strategic goals for our customers.

Our main focus is on your processes, allowing you to concentrate on your core business, and use your financial resources in an optimal way.

### Springer's strategic goals

We support you with a complete range of products and services. Our goal is to convert common visions into innovative ideas in order to be your partner of choice in the area of full system integration in press plant and body shell automation, now and in the future.





Parts-related mechanisation equipment to transport parts, for example a floor panel incl. tunnel.

The vacuum is produced using individual ejectors which are adapted to the suction support as flexible components. The system's modular structure allows you to change the ejectors extremely efficiently in the event of problems or maintenance. Re-adjustment of the individual suction supports is also no longer necessary. The interruption to your production line is significantly reduced.



Already starting in the early method phase, we make a point of carefully handling our environmental resources.

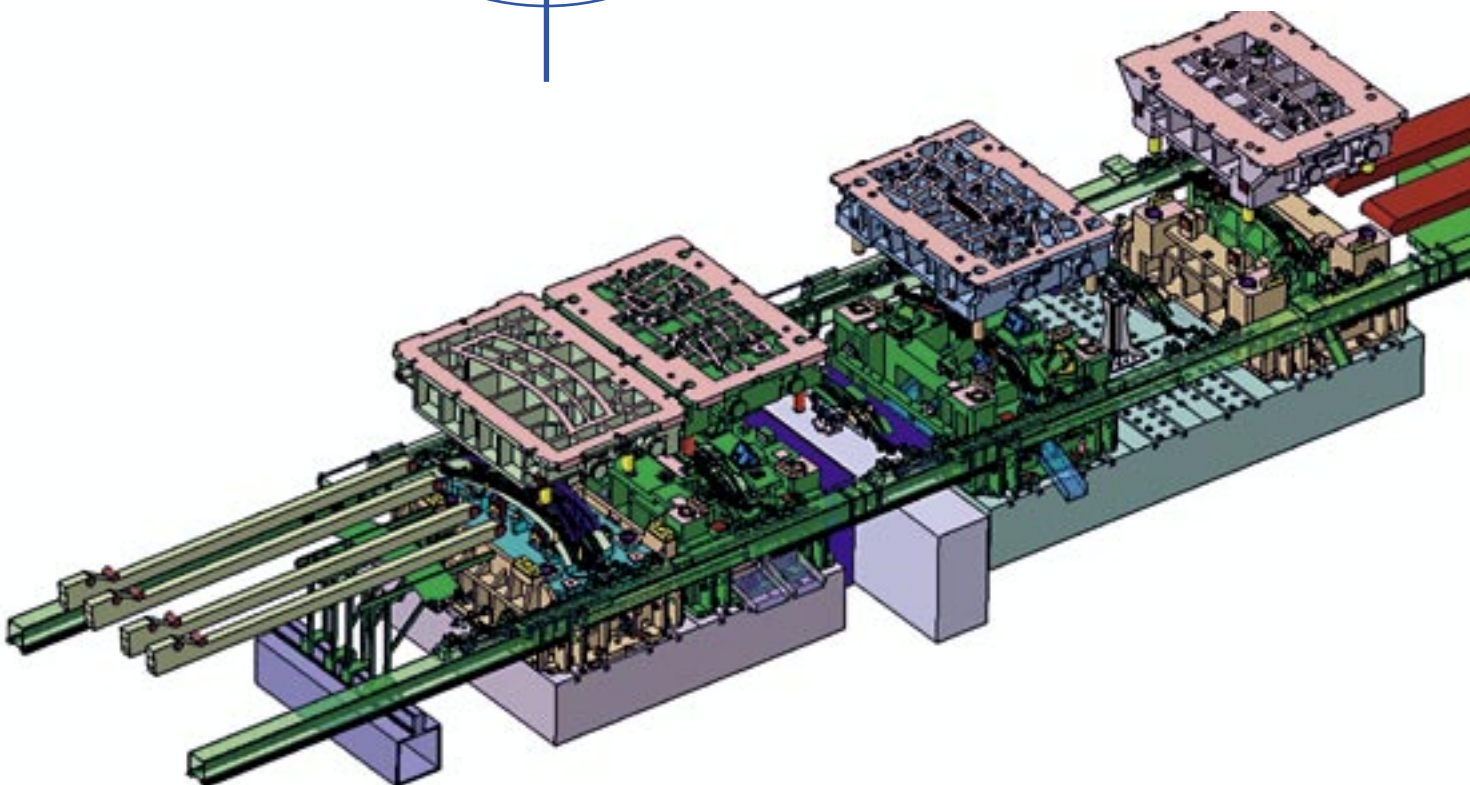
We thus reproduce your process integrally digitally. Our modular construction design is supported by “knowledge-based engineering”.

Standardisation

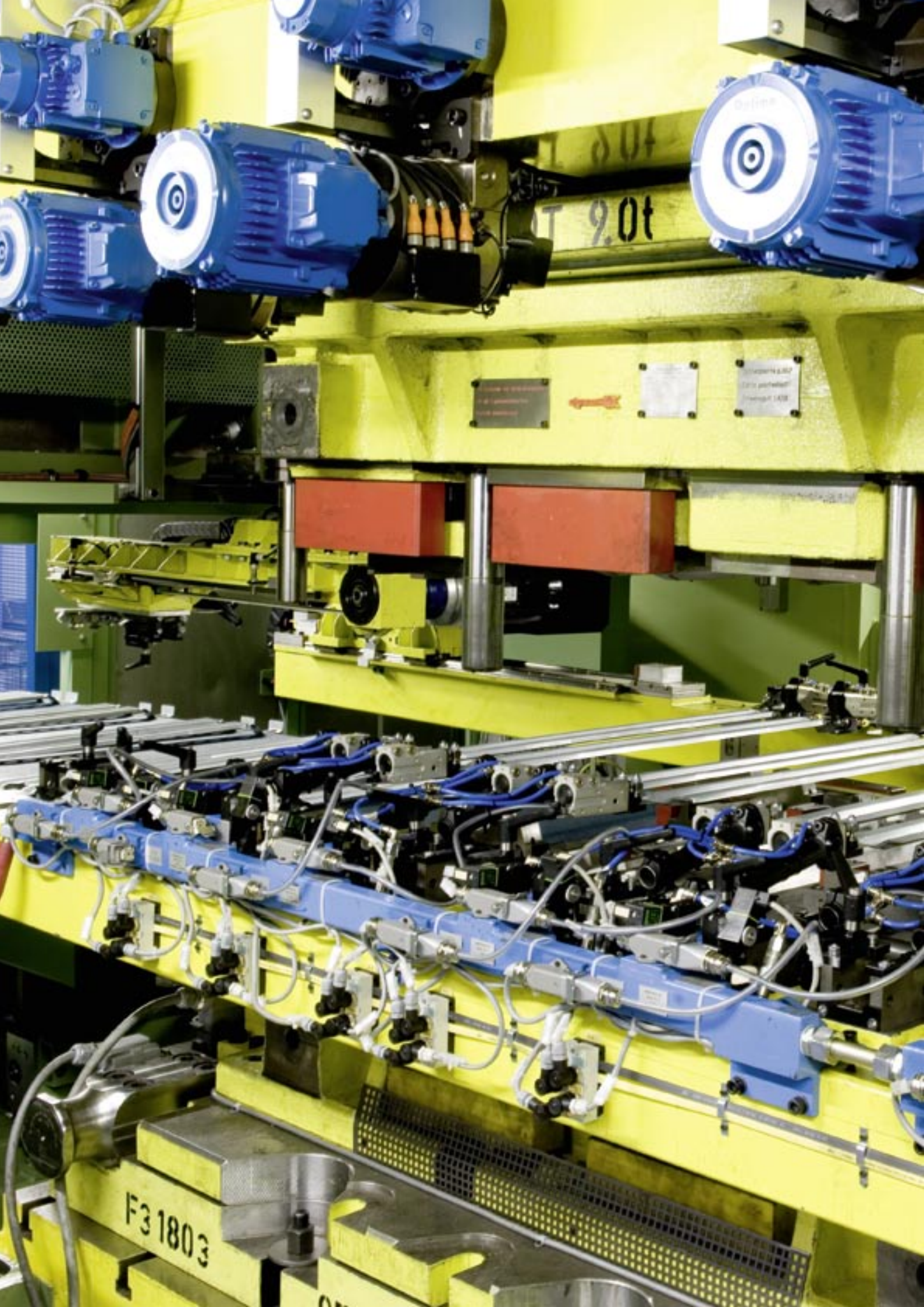
Process optimisation

Efficiency

Budgeting



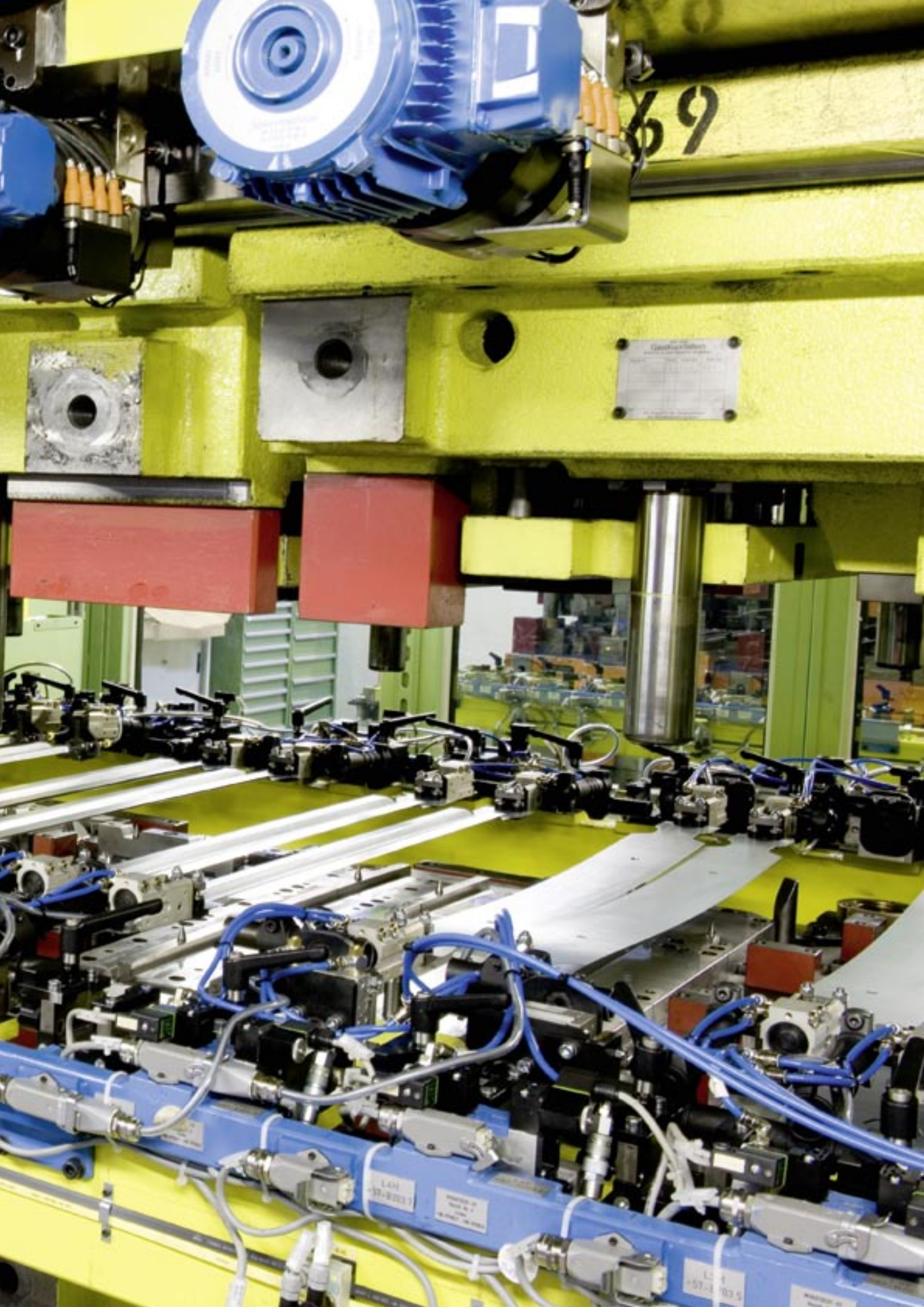




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# SPRINGER

## Tooling for a press line automated with robots

The fasteners of the vacuum grippers are made of thin-walled precision steel tubes. The system is particularly impressive because of its lightweight, flat design. Using steel components, bending and vibration behaviour is minimised, while output of your system's parts is being increased to a maximum.





# SPRINGER

Device with component storage

Rotating and sliding mechanisms for double-part manufacturing of vehicle doors. The component storage system is made from modular system components (MKS), allowing for a high degree of fine tuning during integration. If a component is damaged in a collision, you can replace the system parts and resume system operation within a very short space of time.

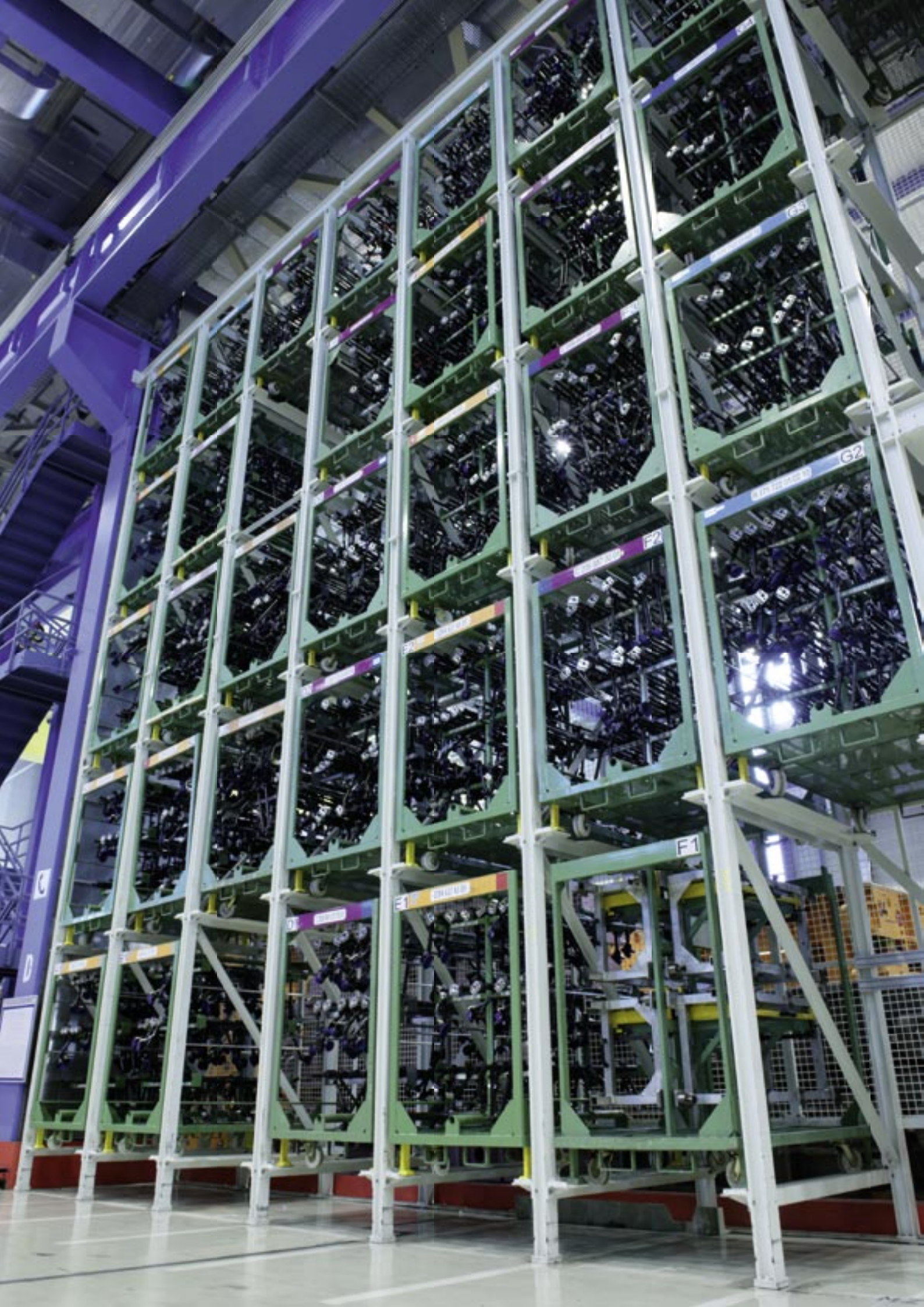


Using Intelligent system layouts and the integration of standardised units, we reduce the diversity of parts for you. At the same time, the CAD model quality is increased taking into account and complying with your requirement specifications and guidelines.

The Springer GmbH range of services mainly comprises:

- The manufacturing of system components for two and three-axial presses
- The development of gripping claws for robotic and feeder-mechanised press lines
- Component grippers for bodywork and body shell manufacturing
- The production of component identification systems
- Special and individual manufacture
- Pre-assembly and simulation of units
- Implementation of products in the assembly lines of the automobile and supplier industry
- Contract manufacture in the area of customised component machining







Springer 

Press plant and body shell automation

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