

# Get more agile

Individual tooling machines.  
Creative process solutions.  
Flexible automation.



# Customer- centric thinking

## **The challenge of complexity**

Steering racks, exhaust manifolds, camshafts, pistons, slide bushings, high-voltage switches – the mass production of highly complex components remains a challenge. Especially when you consider that production conditions always vary from customer to customer. Reason enough for Wieland Anlagentechnik to redefine its role in plant engineering. Rather than thinking along traditional machine-centric lines, Wieland Anlagentechnik focuses on holistic customer-centric process solutions.

## **A single interface**

Rigorous: Wieland Anlagentechnik creates systems that are optimally adapted to the customer's interfaces and fit perfectly into their process chain. Result: Higher volumes with consistently repeatable quality, higher process reliability, significant improvements in ergonomics, workflow and staff deployment. Should an automation application prove optimal under the given conditions – Wieland Anlagentechnik will also build it. Practice demonstrates that individuality beats off-the-shelf solutions.

30

*percent higher  
tool life.*

100

*percent possible  
machine availability.*



1

*interface in project execution. Everything comes from a single source.*





# Manufacture more efficiently

## **Engineering of process chains**

The scope of Wieland Anlagentechnik's services covers individual machine tools, systems and automation solutions. The complexity of the processes ranges from simple feeding systems through automated testing, adhesive, assembly, bending and wrapping systems to the exact machining of geometrically highly complex components. The fact that Wieland Anlagentechnik also "automatically" optimizes the efficiency of the customer's production is at the heart of the concept.

## **Automation towards Industry 4.0**

Interlinking, networking, higher levels of automation – that's what it's all about. Keyword: Industry 4.0. When linking several machines, systems, furnaces, presses, etc., Wieland Anlagentechnik operates as the general contractor and takes responsibility for all the necessary tasks: planning, construction, procurement, assembly, programming, commissioning, documentation, server connection, services.

# 21

*shifts per week that  
become possible  
through automated  
processes.*

*In the background:  
machines from Wieland  
Anlagentechnik –  
Industry 4.0 ready,  
of course.*



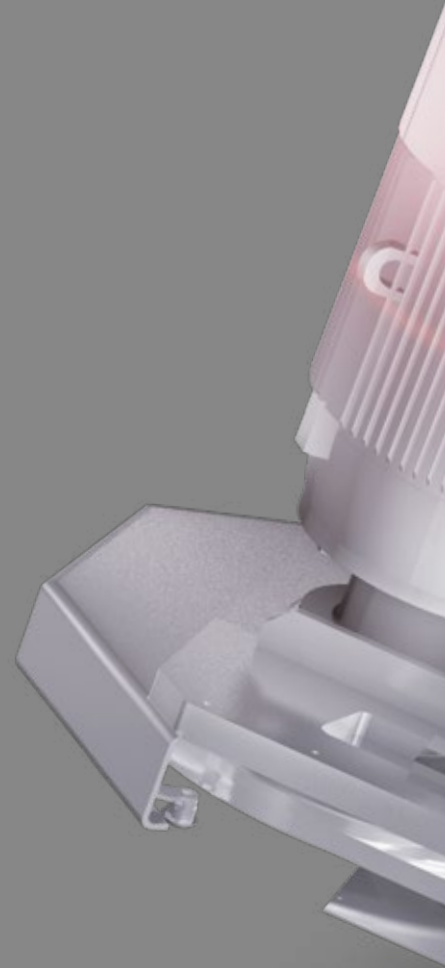
# Modular by design

## **An ingenious concept**

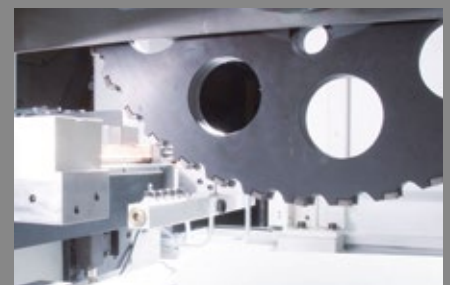
"Toolkit solutions." You hear this often, and it is easy to say. But Wieland Anlagentechnik shows what such a "kit" can be: an ingenious high-tech modular system developed from deep process and application knowledge as well as lengthy experience. Tailored for high-precision production of components in medium and large product runs. The modular system forms the operational resource from which Wieland Anlagentechnik Engineering can assemble individual machine tools or plant chains in all imaginable degrees of complexity – fast and with unbeatable efficiency.

## **Flexibility plus precision**

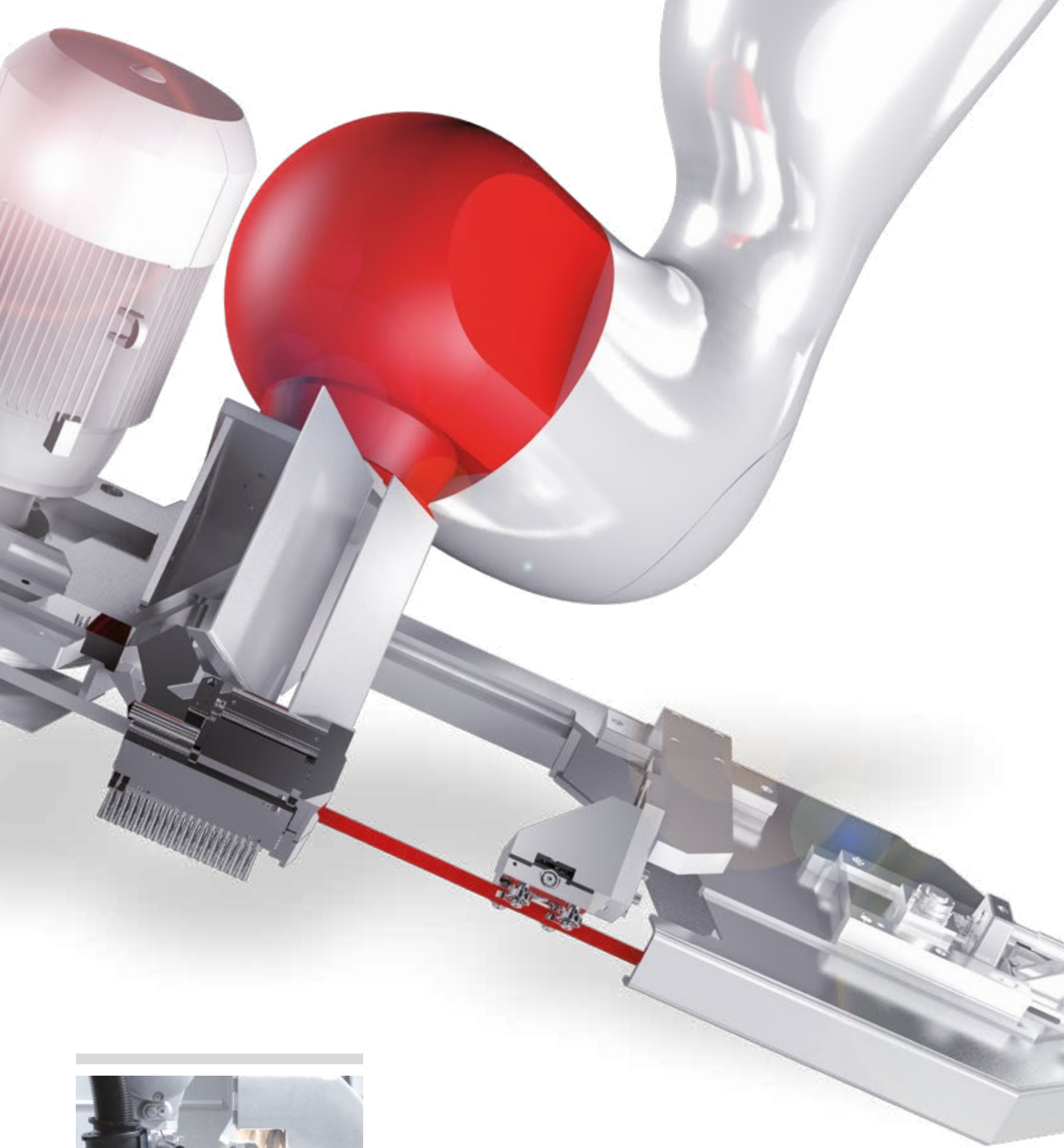
At the core of this modular system are slide and spindle units, which are tailored to the respective application. This means that even complex machines can be built with standard components and safely implemented. Specially developed modules can be combined with standard modules such as industrial robots. While the robots score with their high degree of flexibility, the machining units ensure the necessary precision. The individual modules are integrated in a user-friendly overall concept and can be controlled in a uniform manner.



*Automated tooling machine for end-processing of steering racks.*



*Machining centre for complete machining of high voltage contacts from profile bars.*



*Machining centres with robotic inserts from Wieland Anlagentechnik enable fully flexible parts processing.*



25

*valuable years of experience: what the average employee brings to Wieland Anlagentechnik.*



# Working with the best

## **Experience is key**

You do not become a specialist in machine engineering solutions in the age of Industry 4.0 overnight. In advanced plant construction, the years of experience built up in understanding and implementing customer-specific assignments are crucial. Wieland Anlagentechnik has been in business for ten years and is an attractive employer for professionals whose experience extends, on average, many more years.

## **Creativity, the driving force**

But experience alone is not enough. Creativity is required to convert a complex customer assignment into an innovative, efficient and exciting plant solution onsite. An organization that focuses on short communication channels and quick decisions helps in this respect – research & development at Wieland Anlagentechnik therefore works hand-in-hand with engineering practitioners.

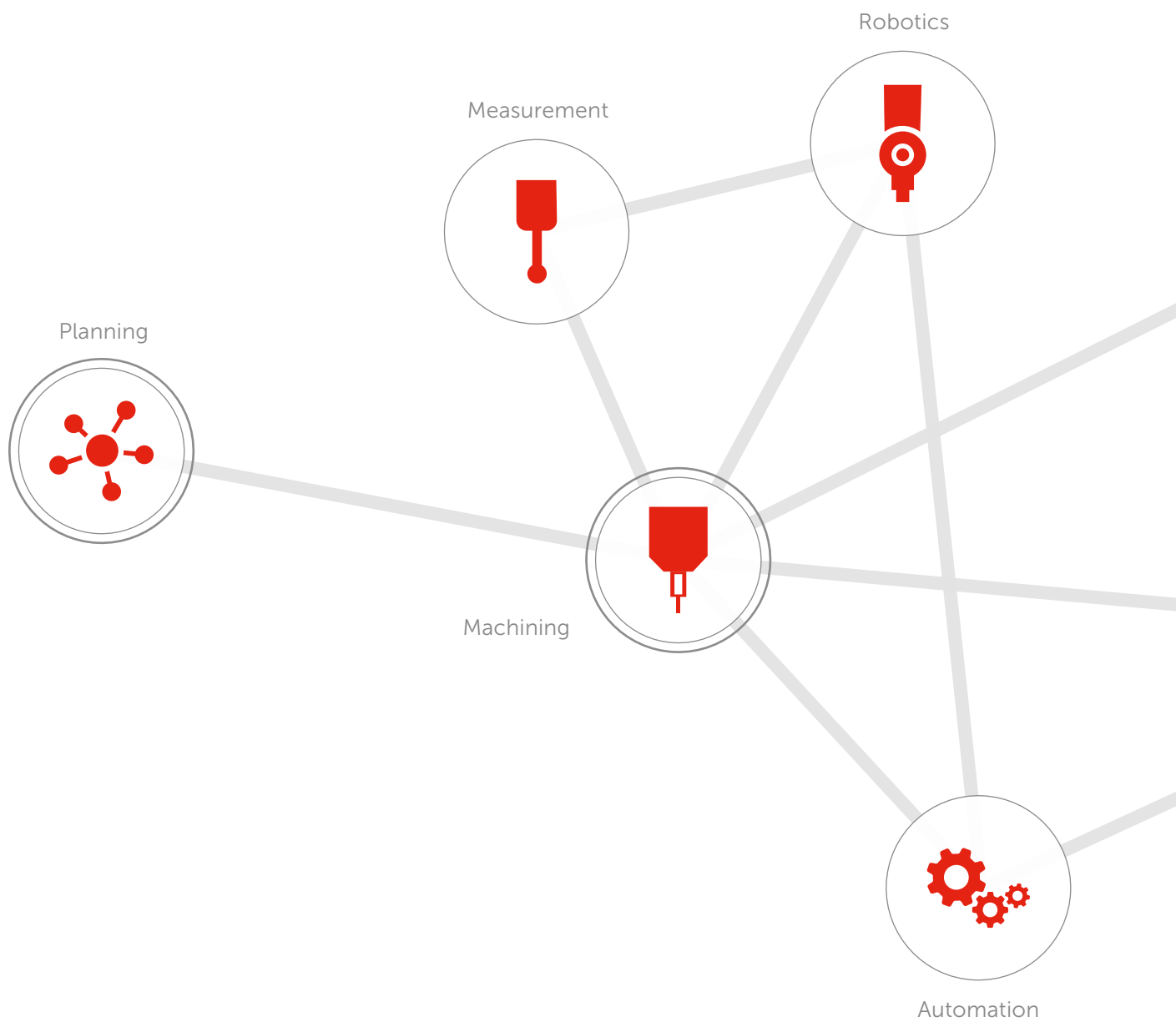


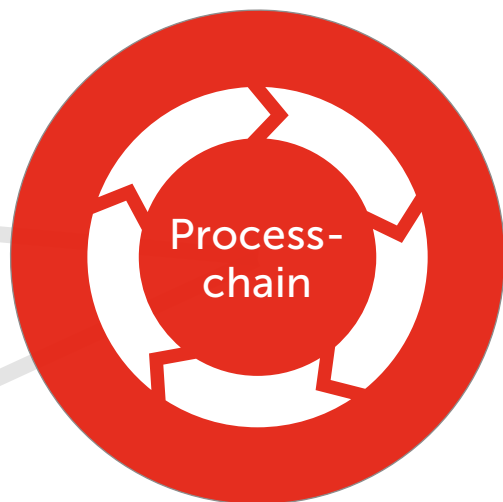
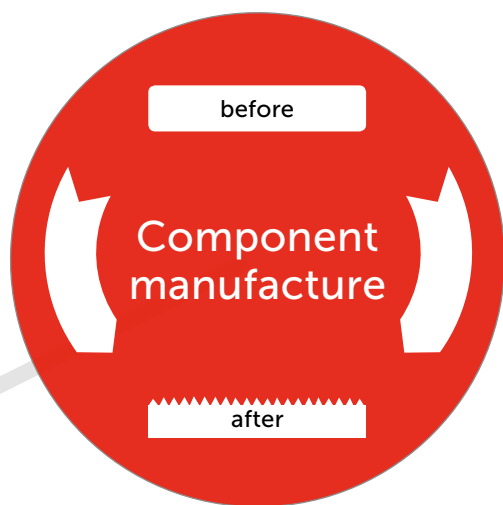
*Could it be done better another way? Specialists at Wieland Anlagentechnik surprise customers with alternatives to standard approaches.*



*Components with complex geometries and tight manufacturing tolerances – a challenge Wieland Anlagentechnik engineers gladly welcome!*

# Making short work





### **A new perspective**

Wieland Anlagentechnik sees beyond the individual pieces of machinery. Rather, it looks at the entire manufacturing process onsite with the customer. This calls for another kind of project management. More direct, more individual, more personal cooperation. The central issue here: reducing interfaces to the customer down to 1.

### **Driving towards Industry 4.0**

However, this means continually questioning our own processes, making them more transparent and efficient. In consequence, Wieland Anlagentechnik positions itself as a general contractor, whose broad network enables customers to implement projects that go beyond the current technology level and point to the future. The aim is to drive forward the industry 4.0 process within the specialized machinery and automation sector.

15

*days elapse, on average, from initial discussion to viable idea.*

**wieland** anlagentechnik

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WAT 08/18 EN