

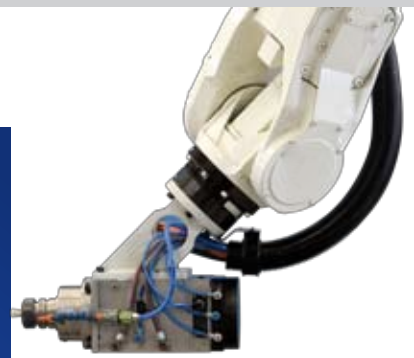
Automated Systems & Manufacturing Cells

Tailor-made robotic systems,
from development to on-site installation.

Robotics, System and Process Automation.

„We are your go-to partners for individual, tailor-made solutions for robotics, system and process automation. We deliver system solutions for robotic processing cells, linked automated systems, and complex system components for your products.“

In doing so we guarantee your output and optimise the profitability of your manufacturing facilities.



The advantages are clear:

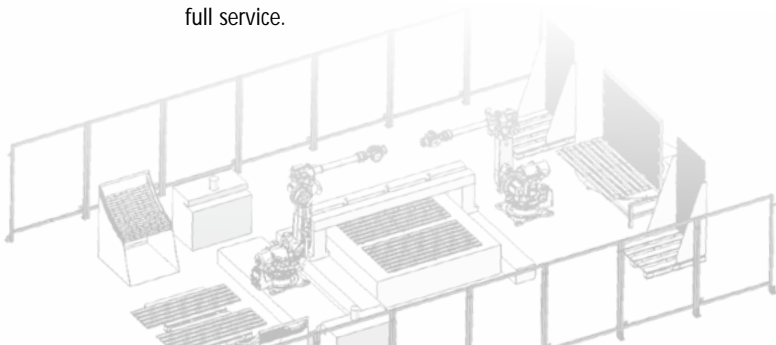
- Reduced operating costs
- Higher production flexibility
- Optimisation of product quality
- Minimisation of waste materials
- Increased output
- Measurable increase in revenues



■ Knowledge and Experience Ensure Success

We think and act with the customer in mind.

We work with you to develop an optimised problem definition including costs projection during an intensive initial consultation. After receiving the order we implement the construction plans 1:1. It goes without saying that production of components, assembly by Mhlbauer employees, start-up, training, and after-sale service are all included. That's what we mean by full service.



■ Optimised Solutions without Compromise

Automatic assembly provides security.

Even highly complex applications can be automated in our systems and manufacturing cells. This includes everything from

- equipment loading
- assembly operations
- palletising
- milling
- bonding
- welding

all the way to quality inspections and other process applications. Solutions for mobile manufacturing cells, especially for processing centres, can also be implemented. Just ask us!



■ Production Know-How and Commitment

Operational efficiency in the interests of the customer.

Our manufacturing expertise, know-how and proven reliability, developed over several decades, are essential factors in our customers' decision to involve us in upcoming projects permanently and as early as during the concept stages. We speak our customers' language and can meet domestic and international challenges at any time.

We offer system solutions for:

- Robotic milling machines for sand
- Robotic milling machines for plastic
- Linked robotic automated systems
- Mobile manufacturing cells for processing machines
- special application: glass cutting machine

■ Applications for all Sectors

Investments that pay off.

Our excellent implementation has been winning over customers at home and abroad for many years. Our customer-oriented thinking and actions are reflected in all areas of production. Absolute customer focus, and with it, the development of individual solutions, makes us the direct supplier for many renowned manufacturers, including market leaders in the sectors:

- mechanical engineering
- automotive
- medical technology
- aerospace engineering

A list of references is available upon request.

Other Products for Automation:



■ Tool Changer

for automatic robotic tool holders with dust cover, optical or inductive station query and different communication connections, such as Profibus, Interbus, I/O, etc.



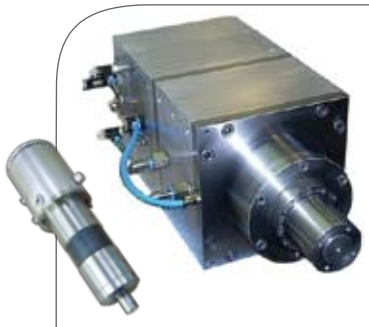
■ Linear Axes

Upon request we can design robotic solutions with additional linear axes to provide a larger processing area.



■ Robotic Tools

We manufacture individual robotic tools with quick-change systems or fixed handling devices to your exact specifications.



■ Milling and Grinding Spindles

are especially well suited for the high-volume machining of, for example, moulding sand with long milling tools. Our grinding spindles can be integrated in special applications.



■ Loading and Unloading Portals

These portals are used for the loading and unloading of special systems with components and raw materials that have been customised for your application.

The name mühlbauer MASCHINENBAU has been synonymous with reliability and precision for almost 4 decades. Our years of experience and exact, detail-oriented workmanship, which we have maintained in the face of increasing demands, quickly made our company a popular implementation partner. From concept to development and construction, production and installation to start-up, training and service we offer everything from one source.

We look forward to your challenge!



Our Certifications:

ISO 9001 - Quality Management
 EN 9100 - Aeronautics
 EN ISO 13485 - Medical Devices