



ZiMo

The mobile robot cell
from the Zimmer Group

THE KNOW-HOW FACTORY

ZiMo

THE SOLUTION-ORIENTED ROBOT CELL

FIND YOUR WAY INTO PROCESS AUTOMATION

A lack of specialists, monotonous work, weekend shifts, insufficient flexibility and productivity inevitably lead to compromises in quality. In the process, hampered growth and compensating for the lack of employees through overtime complete the picture. An inexpensive and straightforward process automation solution designed for you as a small or medium-sized business can solve this problem and overcome many of your challenges.

Achieve increased manufacturing capacity through unmanned, automated additional shifts and relieve valuable workers in their daily tasks while increasing quality, flexibility and productivity. Create room for more, without having to increase surface area.



Night work / 24/7

Put an end to monotonous tasks involving high repetition cycles in day and night shifts or even 24/7 shift operations.



Small quantities

Handle a wide variety of workpieces in small and large quantities with short run times.



Numerous automation tasks

Bring process and work environments to a new level through automation solutions.



Legwork for complex tasks

Collaborative robotics for direct legwork to support people in installation tasks.



Quality assurance

Guarantee increased, complete quality without compromises.

Various features of the ZiMo robot cell



ZiMo

THE FLEXIBLE ROBOT CELL

UNIVERSALLY APPLICABLE GRIPPER SOLUTIONS

For cost-effective and straightforward process automation at small or medium-sized businesses, ZiMo is the solution. The Zimmer Group's flexible robot cell offers you simple and mobile start-up and will impress you with its rapid integration into your processes. Where you need a helping hand, ZiMo supports you with assembly, pick-and-place tasks or for training purposes. You have free choice of a wide variety of accessories and receive the complete package tailored to your needs. Get in touch with us, we would be happy to advise you!

OUR EXPERTISE – YOUR ADVANTAGES

Flexibility at the point of use

Compact size enables free and mobile positioning in the system.

Uncomplicated and intuitive operation

Convenient commissioning and control via the robot control system without any need for programming knowledge.

Boost productivity and quality

Cost-effective acquisition and fast integration optimize your production processes.

Variable configuration

Choose from a wide range of accessories, tailored to your specific requirements.

Robot

Manufacturer-independent use thanks to comprehensive compatibility with all common lightweight robots.

Gripper station

Automated changing of end effectors tailored to each application.

Mechanical and electric interface

Docking for flexible positioning and rapid adaptation.

Backpack

Mechanical suspension system for storage boxes, cartons or workpiece carriers.

Control panel

Intuitive operation and robot programming using Zimmer Group HMI.

Sensors

Integrated, step-by-step security settings for collaborative and cooperative activities.



ZiMo

THE MODULAR ROBOT CELL

FLEXIBLE CONFIGURATION

Compatible with major robot manufacturers – select from a comprehensive range of accessories: Gripper and vacuum systems, sensor technology, MATCH robot module or other components. Should the needs in the production process change, ZiMo can be adapted quickly and without any great effort or expense – completely tailored to your specific requirements. The variable setup of the workbench and the compact size make ZiMo a reliable robot cell for nearly any application:



EXAMPLE CONFIGURATION 1

ZiMo and electric small parts gripper. Unique in its class for use in repetitive pick & place tasks.



- + ZiMo
- + Electric small parts gripper
- + Intuitive control panel
- + Backpack
- + Sensors



EXAMPLE CONFIGURATION 2

ZiMo with change capability. Manual or automated changing of the end effector in the gripper station.



- + ZiMo
- + MATCH End-of-Arm Ecosystem
- + End effectors
- + Gripper station
- + Intuitive control panel



EXAMPLE CONFIGURATION 3

Flexible and individually tailored to any requirements and applications.



- + ZiMo
- + MATCH End-of-Arm Ecosystem
- + End effectors
- + Gripper station
- + Intuitive control panel
- + Backpack
- + Sensors



ZiMo

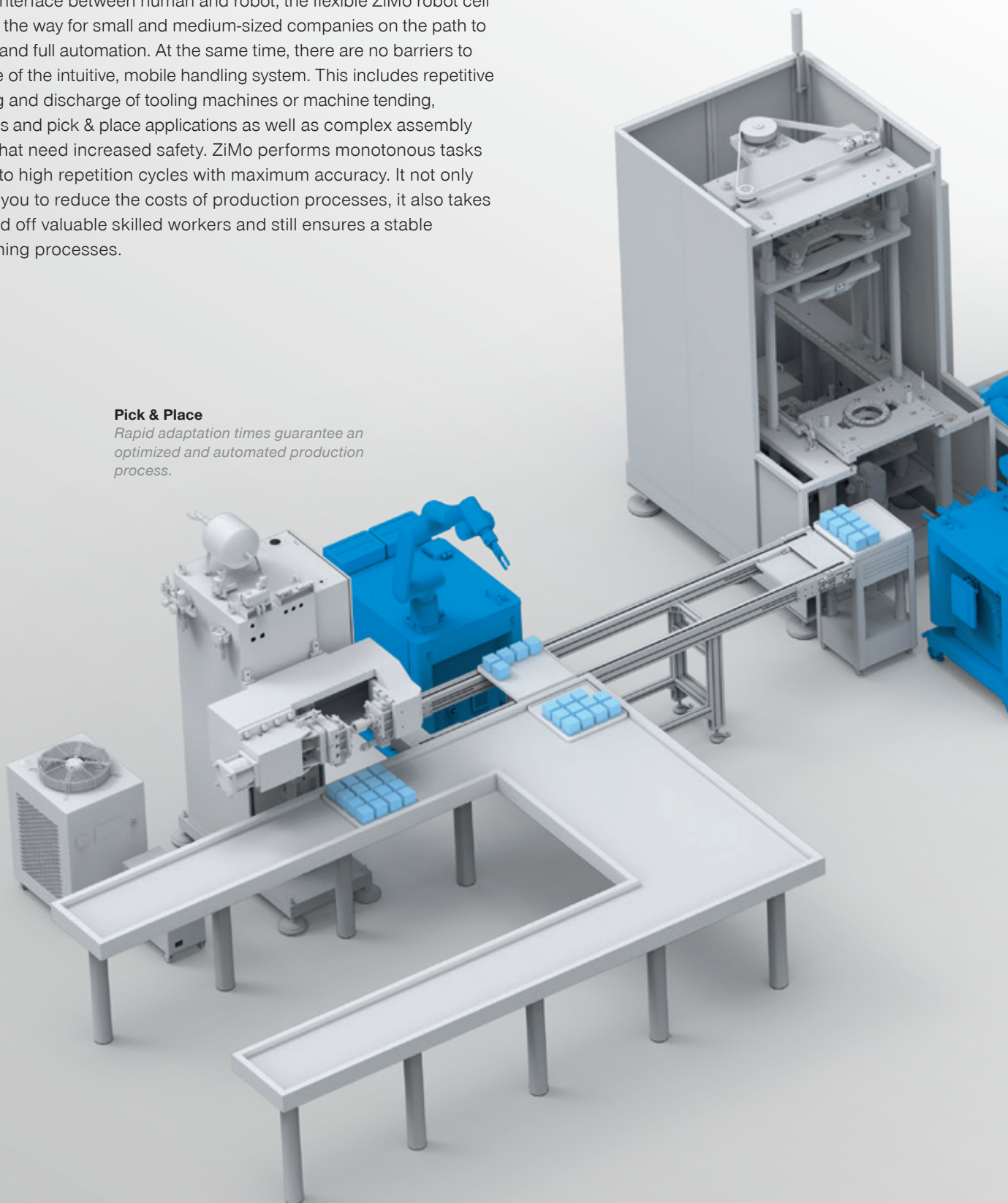
THE AUTOMATION FOR EVERY APPLICATION

VARIABLE FOR ALL PRODUCTION SITUATIONS

As an interface between human and robot, the flexible ZiMo robot cell guides the way for small and medium-sized companies on the path to partial and full automation. At the same time, there are no barriers to the use of the intuitive, mobile handling system. This includes repetitive loading and discharge of tooling machines or machine tending, logistics and pick & place applications as well as complex assembly tasks that need increased safety. ZiMo performs monotonous tasks of low to high repetition cycles with maximum accuracy. It not only allows you to reduce the costs of production processes, it also takes the load off valuable skilled workers and still ensures a stable machining processes.

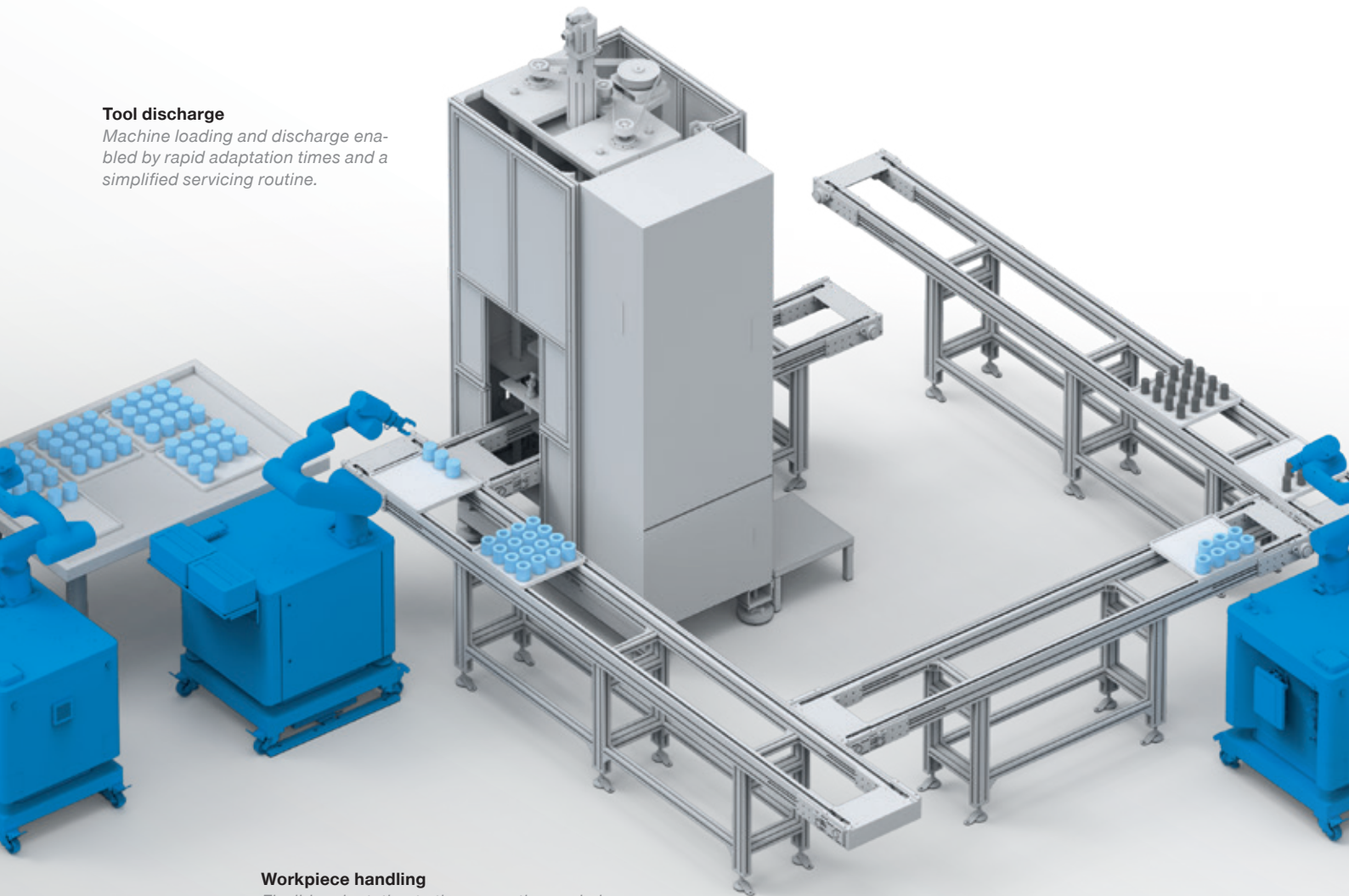
Pick & Place

Rapid adaptation times guarantee an optimized and automated production process.



Tool discharge

Machine loading and discharge enabled by rapid adaptation times and a simplified servicing routine.

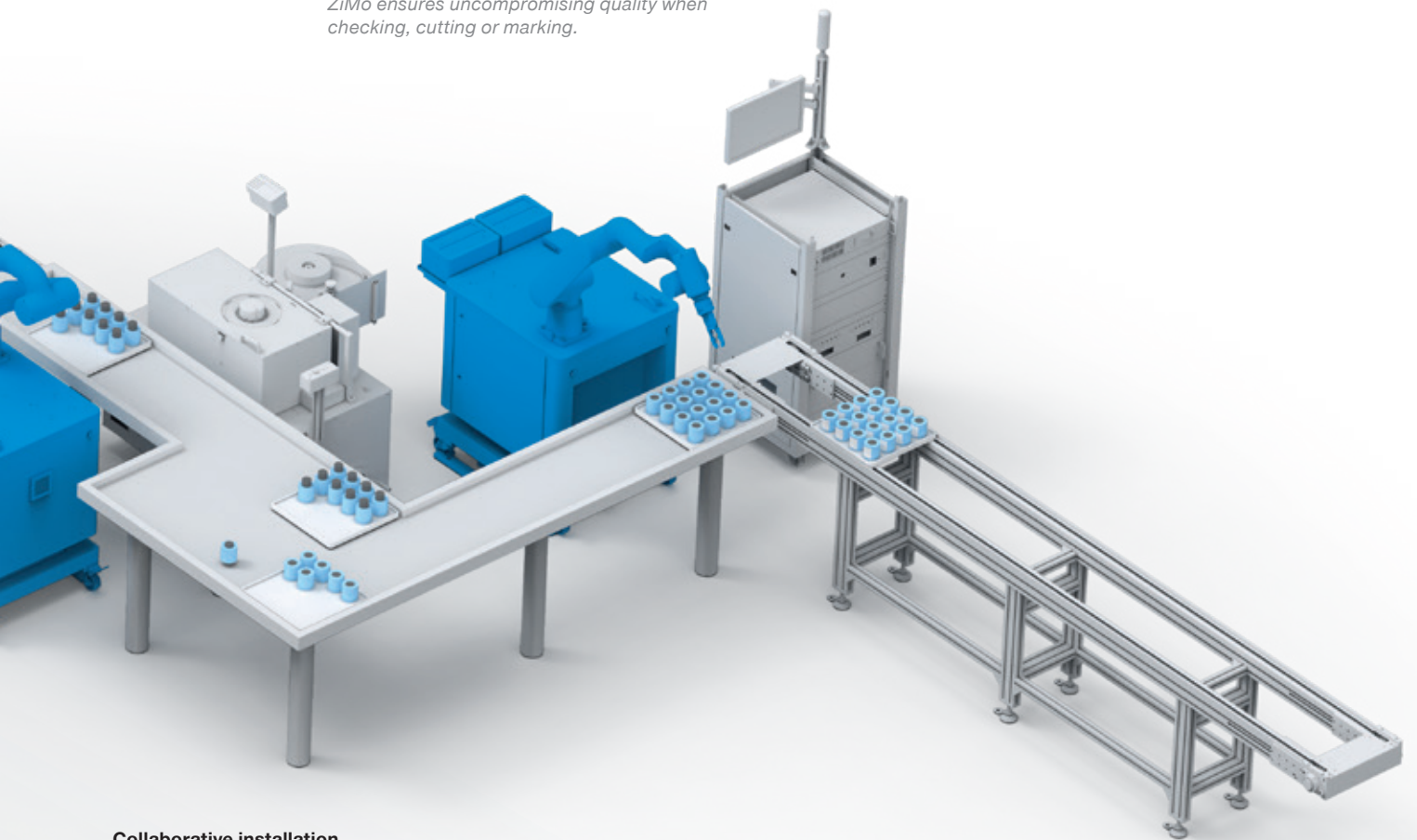


Workpiece handling

Flexible adaptation to the respective workpiece thanks to a comprehensive ECOSYSTEM consisting of grippers ranging from normal to large stroke as well as suction and vacuum components.

Quality assurance

ZiMo ensures uncompromising quality when checking, cutting or marking.



Collaborative installation

Legwork with complex installation tasks – safety during cooperative and collaborative tasks is guaranteed at all times thanks to integrated safety standards.