



ZiMo

The mobile robot
 – ZIMO1000 series
 – ZIMO2000 series

THE KNOW-HOW FACTORY

THE KNOW-HOW FACTORY

THE MOBILE ROBOT

ZiMO

FIND YOUR WAY INTO PROCESS AUTOMATION

A shortage of skilled workers, monotonous tasks, weekend shifts and a lack of flexibility in production are increasingly forcing companies to make compromises that have a negative impact on quality, efficiency and growth. Overtime to compensate for staff shortages has now become a permanent solution and it is difficult to find new skilled workers. Here is where a cost-effective and easily integrated process automation system offers a sustainable solution – for small and medium-sized companies as well as for large factories.

Take advantage of the potential of extra shifts without personnel, increase your production capacity and take the pressure off your employees where it counts. This allows you to improve productivity, quality and flexibility – without expanding your floor space.

OUR EXPERTISE – YOUR ADVANTAGE

Boost productivity and quality

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

Ready for use 24/7

Reliable 24/7 – for maximum utilization of capacity and consistently high efficiency, even in three-shift operation.

Bridge the shortage of skilled workers

Automated processes take the pressure off your team and secure production, even when you are short-staffed.

Maximum performance with maximum security

Smart safety components for smooth operation without compromising on cycle time, flexibility or quality.

UNIVERSALLY APPLICABLE GRIPPER SOLUTIONS

Cost-effective and straightforward process automation for everyone, from small businesses to large companies – ZiMo is the solution. The Zimmer Group's mobile robot enables simple and mobile commissioning and will impress you with its rapid integration into your processes.

Where you need a helping hand, ZiMo supports you with machine loading and unloading, pick-and-place tasks or quality assurance. You have free choice of a wide variety of accessories and receive the package tailored to your needs. Get in touch with us, we would be happy to advise you!



Ideal for small and varying batch sizes



Increased productivity



Flexible use



Optimized production processes



Customizable



Fast return on investment (ROI)



VARIABLE STRUCTURE, VERSATILE APPLICATION

THE ADVANTAGES IN DETAIL

ACCESSORIES AND OPTIONS

Thanks to the wide portfolio of available accessories and options, you can adapt ZiMo to your individual needs and requirements. The variable setup and fast changeover times guarantee maximum flexibility in your processes and enormous potential for modernizing your production sequences. Expand the platform of the mobile robot with interfaces and components such as application-specific end effectors, robot sets, safety scanners, trays for small load carriers and

much more. The Zimmer HMI option offers you the convenience of easy commissioning and control. With the optional remote maintenance, your ZiMo gets regular updates and optimizations. This saves you valuable time and resources, allowing you to focus fully on areas of production that offer real added value for your company.

1 Robot-independent
ZiMo can be used as a robot-independent platform and can integrate a large number of common robot manufacturers. Alignment and positioning on the worktop is flexible.

2 Application-specific end effectors
With over 40 years of experience, the Zimmer Group offers a wide range of grippers, vacuum components and the modular MATCH end-of-arm ecosystem. As a result, you can tailor ZiMo to your specific applications – it's flexible, reliable and future-proof.

3 Prepared applications directly available
ZiMo is quickly ready for use thanks to preconfigured combinations of a gripper station, software, SLC tray and safety technology. This significantly reduces the project planning time – for a quick start to automation.

4 Maximum safety
ZiMo comes with the option of one or two safety scanners, making it safe to use without a safety fence in industrial applications. This option is required for safe integration into the periphery of external machines.

5 Intuitive control
The Zimmer HMI makes commissioning and operation easy, without any programming knowledge. This makes automation accessible and efficient for everyone.

6 The best service at all times
With the remote maintenance option, you can install the latest updates, evaluate faults and optimize programs at any time. Our experienced service team is also available for integration and commissioning – personal, competent and solution-oriented.

7 Connection to the production machines
ZiMo can be seamlessly integrated into existing systems – with interfaces such as IO-Link, Euromap 67, pneumatic connections and common fieldbuses. Customized connections are also possible.

8 Self-sufficient for a whole day
In combination with the Miles series AMR, ZiMo can be operated completely autonomously when equipped with battery packs. When it is integrated in the fleet management system and control technology, it provides fully autonomous work order control, while the optional vision system handles calibration and a wireless interface ensures communication with the machine.

2



3

7



DIRECTLY TO THE CONFIGURATOR

Customizable

Find the right product in just a few clicks. Go directly to our ZiMo Configurator here.



INTEGRATION INTO PRODUCTION

THE VARIANTS

EASY AUTOMATION – ZIMO2000 SERIES SIMPLE INTEGRATION AND OPERATION

With Easy Automation, you get an all-round carefree package. The Zimmer HMI gives you easy control of the system, including the option of complete integration and commissioning. At the same time, you benefit from the wide range of options and accessories.

- ▶ **Shortage of skilled workers? No problem!**
Make up for staff shortages at short notice.
- ▶ **Immediately ready for production**
Ready-made function blocks make commissioning and use much easier.
- ▶ **Flexible with different robots**
Compatible with a wide range of robot types.
Collaborative and industrial.
- ▶ **Worldwide service and support**
Support where it is needed thanks to remote maintenance.
- ▶ **Fast return on investment**
Investment pays for itself after just 1.5 years.
- ▶ **Endless possibilities**
Experienced programmers have the opportunity to go deeper. This means that the system can be expanded to include every conceivable function and interface.

PLATFORM KIT – ZIMO1000 SERIES FLEXIBLY CONFIGURABLE AND SCALABLE

Would you like to program ZiMo completely by yourself? You get the Platform Kit with or without PLC and all options and can configure ZiMo entirely according to your requirements.

- ▶ **Adaptable to your brand**
Ideal for integrators and partners.
- ▶ **Compatible with all common robots**
Integrate the robot of your choice.
- ▶ **Maximum flexibility**
Versatile possibilities in terms of equipment and options, including our extensive portfolio in handling technology and robotics.
- ▶ **Fully customizable configuration**
No restrictions on use.

MORE INFO ABOUT ZIMO

Always up to date

Check out our website for detailed information. Visit us online and get all the information you need at just one click!





EASY AUTOMATION – ZIMO2000 SERIES

WHAT IS INCLUDED?



1

Base module

- ▶ Base frame on four lifting rollers with locking feet
- ▶ Tabletop finished to customer specifications
- ▶ Control cabinet including fan / ventilation grille
- ▶ Prepared interface (pneumatic/electric)
- ▶ Basic electrical equipment
- ▶ Status display (LED strip)
- ▶ Docking bar with "present" query
- ▶ Integrated brackets for accessories



Engineering

- ▶ Conformity assessment procedure with corresponding certification
- ▶ *Certification possible with full integration by the Zimmer Group

CE CERTIFICATION POSSIBLE*



Full service

- ▶ Integration and commissioning possible
- ▶ Remote maintenance
- ▶ Comprehensive range of services



Ready-to-start programming with Zimmer HMI + control panel

- ▶ Intuitive control
- ▶ No programming knowledge necessary



2

Robot

- ▶ Compatible with a wide range of robot manufacturers



3

Complete end effector portfolio (configurable)

- ▶ Gripping and vacuum components, MATCH ecosystem, tool changers, axis compensators, collision protection, adapter plates, sensors and accessories, preconfigured robot sets
- ▶ Pneumatic, electric, vacuum, IO-Link



4

Options (configurable)

- ▶ Safety scanner
- ▶ Storage station for MATCH components
- ▶ Interfaces (Digital Safety I/O, Euromap 67, passive distributor, IO-Link, pneumatics)
- ▶ SLC rack
- ▶ Extra docking strips



5



PLATFORM KIT – ZIMO1000 SERIES

WHAT IS INCLUDED?



1

Base module

- ▶ Base frame on four lifting rollers with locking feet
- ▶ Partially machined tabletop
- ▶ Control cabinet including fan / ventilation grille
- ▶ Prepared interface (pneumatic/electric)
- ▶ Basic electrical equipment
- ▶ Status display (LED strip)
- ▶ Docking bar with "present" query
- ▶ Integrated brackets for accessories



Engineering

- ▶ For checking the integration of new robot models, for example



Service

- ▶ For mechanics
- ▶ When purchasing the PLC, support at the control level is available as an option (excluding robot programming)



Customer programming with the support of Zimmer software packages

- ▶ ZiMo PLC + PLC modules for easy integration of ZiMo options and the Zimmer Group portfolio
- ▶ Zimmer ComfortApps, Zimmer guideZ



3

Robot

- ▶ Compatible with almost all robot manufacturers



Complete end effector portfolio (configurable)

- ▶ Gripping and vacuum components, MATCH ecosystem, tool changers, axis compensators, collision protection, adapter plates, sensors and accessories, preconfigured robot sets
- ▶ Pneumatic, electric, vacuum, IO-Link



4

Options (configurable)

- ▶ Safety scanner
- ▶ Storage station for MATCH components
- ▶ Interfaces (Digital Safety I/O, Euromap 67, passive distributor, IO-Link, pneumatics)
- ▶ SLC rack
- ▶ Extra docking strips



5

AUTOMATION FOR EVERY APPLICATION

ZIMO IN USE

VARIABLE FOR ALL PRODUCTION SITUATIONS

As an interface between humans and robots, ZiMo paves the way to automation for small and medium-sized companies and helps large factories optimize their processes. At the same time, there are no barriers to the use of the intuitive, mobile handling system. This includes repetitive loading and unloading 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 stable machining processes.

Pick & Place

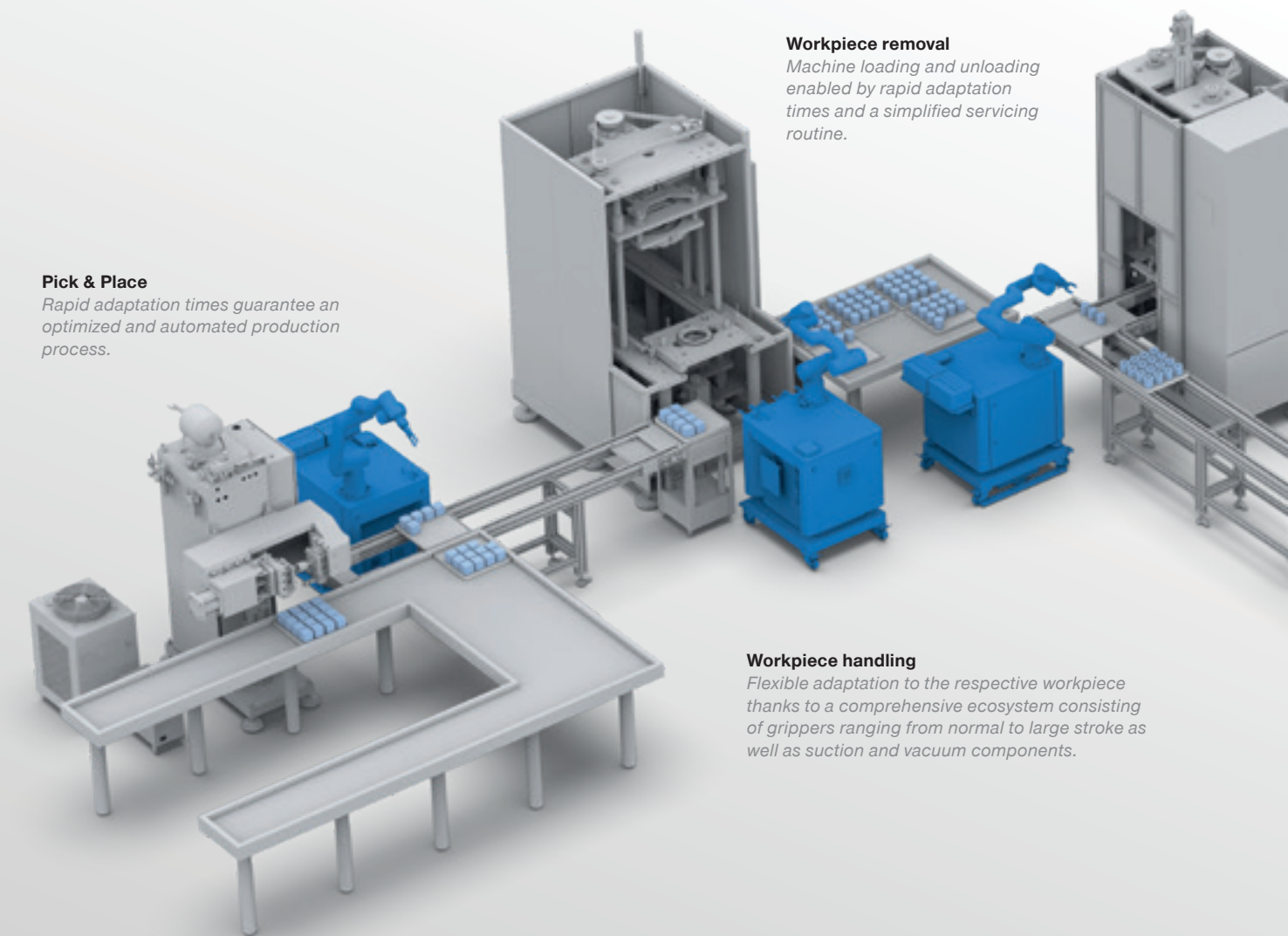
Rapid adaptation times guarantee an optimized and automated production process.

Workpiece removal

Machine loading and unloading 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.



MEETS YOUR REQUIREMENTS

ZiMo's compact design gives you universal use and free positioning, ideal for small batch sizes and flexible workstations. ZiMo can be used without any complex connection to your system. The module system thus offers you absolute freedom of use and versatile adaptation to your changing needs. See below for selected application examples for specific requirements.

Collaborative installation

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

Quality assurance

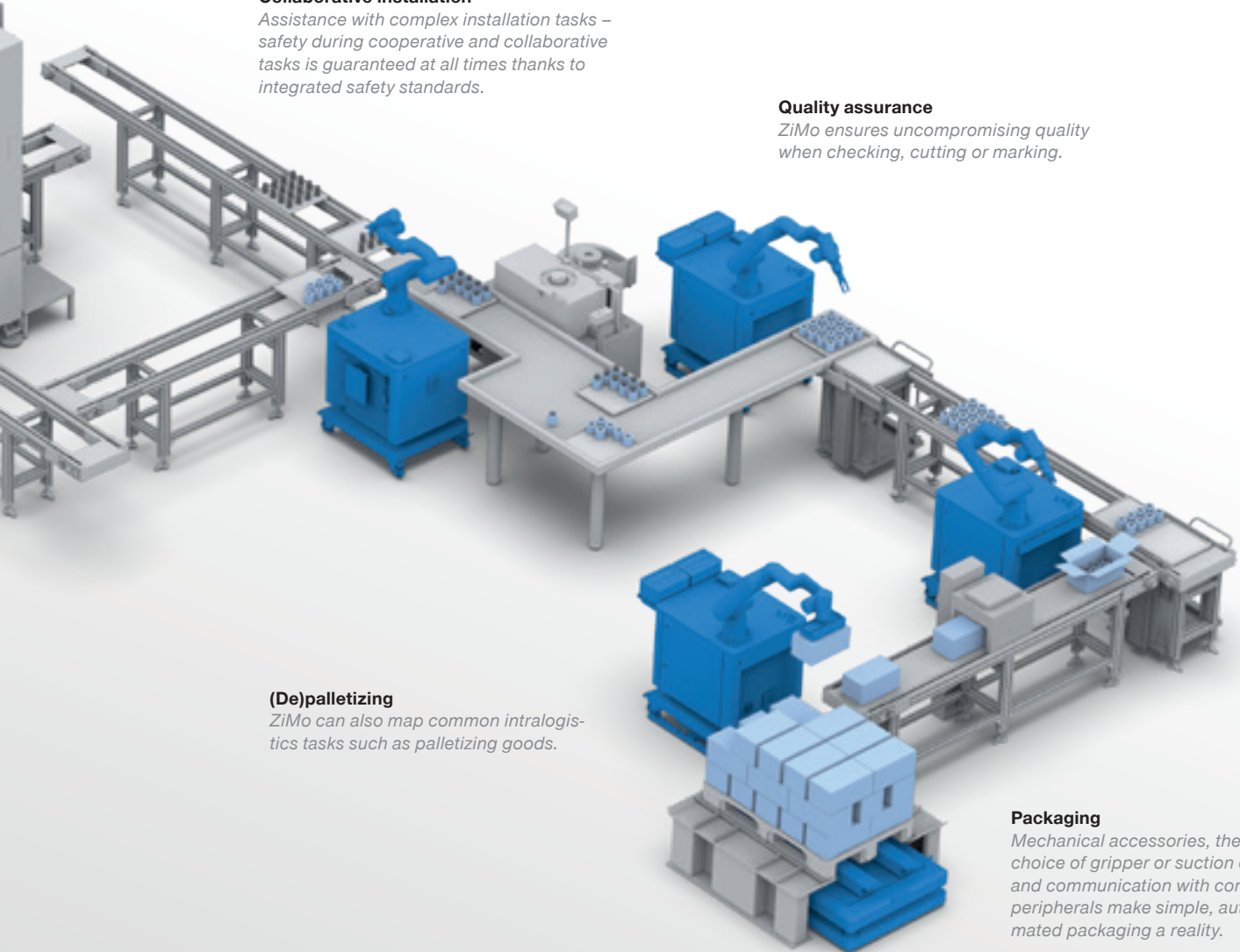
ZiMo ensures uncompromising quality when checking, cutting or marking.

(De)palletizing

ZiMo can also map common intralogistics tasks such as palletizing goods.

Packaging

Mechanical accessories, the right choice of gripper or suction cup and communication with conveyor peripherals make simple, automated packaging a reality.



FAST RETURN ON INVESTMENT

IT ALL PAYS OFF

STAFF SHORTAGE AS A COST TRAP

The ongoing shortage of skilled workers is creating organizational challenges for many companies and causing significant costs. Shortages in staff lead to production delays, quality losses and restricted growth. ZiMo offers effective relief here: Automated processes help alleviate staff shortag-

es and significantly reduce the workload of valuable skilled workers. This improves the utilization of your resources, increases planning reliability and creates room for growth. This makes automation the strategic answer to the current challenges facing the industry.

Support for staff

ZiMo takes over monotonous or physically demanding tasks – instead of replacing personnel, the mobile robot adds to your existing capacities.

Increased revenue

Higher production availability with the same workforce makes it possible to process more orders in less time – a direct lever for increasing revenue.

Maximized profit

Reduced personnel costs, higher product quality and increased utilization of capacity lead to a better contribution margin and secure your competitive edge in the long run.

Quality assurance

ZiMo reduces rejection rates and ensures consistently high product quality thanks to standardized processes and repeatable procedures.

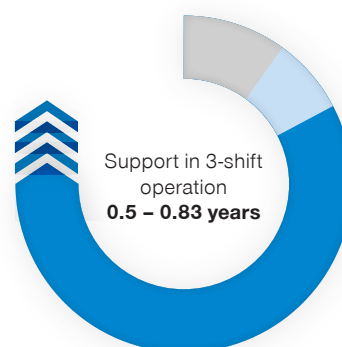
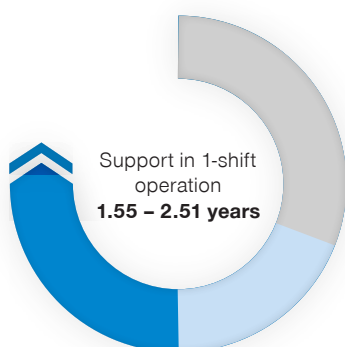
Increased production

ZiMo can be operated without personnel in extra shifts, thereby increasing production capacity without requiring additional space or personnel.

Reduced costs

Low operating costs, low maintenance requirements and high energy efficiency contribute to a noticeable reduction in the total cost of ownership (TCO) – for a sustainable reduction in your budget planning.

SUPPORT IN SHIFT OPERATION



CONTACT FORM

Do you have questions?

Write to us! We will be happy to give you advice you and work with you to create the right offer for you!

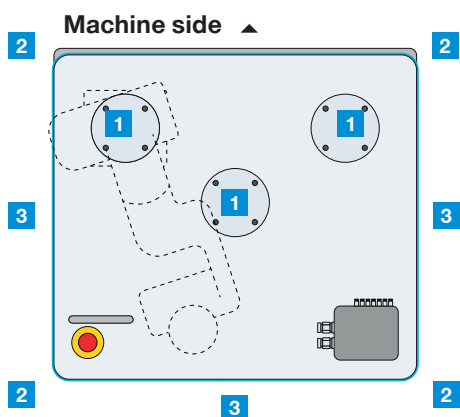


EQUIPMENT AND OPTIONS

IN DETAIL

BASE MODULE

The base module is ZiMo's stable and ready-to-connect foundation. With an integrated control cabinet, prepared electrics and standardized interfaces, it comes fully equipped with all the technology you need – for a quick start without any additional effort. Thanks to sophisticated components such as lifting rollers, a docking bar and status display, the base module offers maximum flexibility and convenience during transportation, commissioning and operation. As a result, you benefit from an immediately usable platform with a high degree of prefabrication and a wide range of expansion options.



Some components can be positioned according to customer requirements, depending on the application, and therefore have various positions to choose from. For example, you can configure the positions of the robot (1), the safety scanner (2) and the MATCH tray (3).

MOBILE ROBOTICS

Miles series

Find out more about the autonomous mobile robot for your production and logistics processes.



EQUIPMENT AND OPTIONS

IN DETAIL

END EFFECTORS

With over four decades of experience in the field of handling and robotics, we offer you the necessary expertise and variety of end effectors to meet your specific requirements.

DIRECTLY TO THE PRODUCT FINDERS

Find the right gripper
Our Product Finder will help you select the right end effector.



1. Electrical handling components

Precise, energy-efficient and low-maintenance – ideal for flexible gripping tasks with variable force control.

2. Pneumatic handling components

Robust and powerful – proven for dynamic applications with high cycle rates.

3. Vacuum components

Ideal for flat or sensitive components – for safe and gentle handling of a wide range of materials.

4. MATCH end-of-arm ecosystem

One system, many options – with a standardized interface concept for fast tool changes and maximum flexibility.

5. Preconfigured robot sets

Ready for immediate use – perfectly coordinated combinations of robotics and grippers to get your project up and running quickly.



ROBOT

ZiMo can be combined with a large number of common cobot models. With Easy Automation, you benefit from a thorough compatibility check including stability analysis. Robots from manufacturers such as ABB, Universal Robots and FANUC, to name a few, are already integrated and preconfigured.

SUPPORTED MANUFACTURERS

At a glance
For a current overview, refer to our website.



INTUITIVE CONTROL VIA ZIMMER HMI

Versatility that is hard to beat: Our Zimmer HMI gives you a simple and intuitive introduction to the world of automation. The interface is designed so intuitively, partly due to the preconfigured function blocks, that no programming knowledge is required to put the function blocks together. For new components, all available configurations can be called up and used via an integrated database. In addition,

the control system offers many flexible expansion options, giving even experienced programmers convincing advantages. Should you still have any questions, our support team is available at any time to provide secure and fast remote maintenance.



OUR EXPERTISE – YOUR ADVANTAGE



Intuitive operation

The innovative web user interface can be operated from anywhere in a short space of time.



No programming knowledge necessary

All procedures can be configured intuitively using simple gestures on the UI. The system automatically checks which function blocks fit together.



Large selection of robots

The system can control a large number of common robot manufacturers and types.



Expandable

The Zimmer Group's entire product portfolio is available as an option.



Simulation via digital twin

New procedures can be tested in advance from anywhere in an integrated simulation.



Shorter commissioning time

The first cycle is ready in less than 30 minutes after switching on.



Store

All available functions can be used directly from the integrated store. The store in the system grows with each new component – just like on a smartphone. Tested and approved by the Zimmer Group.



Expandable for experienced programmers

Experienced programmers have the opportunity to go deeper. This means that the system can be expanded to include every conceivable function and interface.



Always up to date

On request, the device always receives the latest updates and can therefore benefit from all newly developed functions.



Collaborative or cooperative

Whether human or machine, the flexibility of the robots means that both worlds can be served.

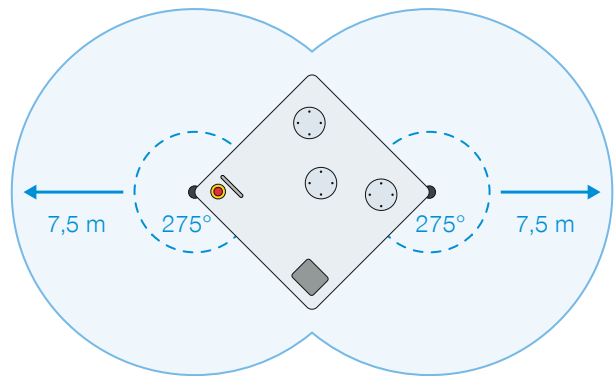
EQUIPMENT AND OPTIONS

IN DETAIL

OPTIONS

1. Safety scanner

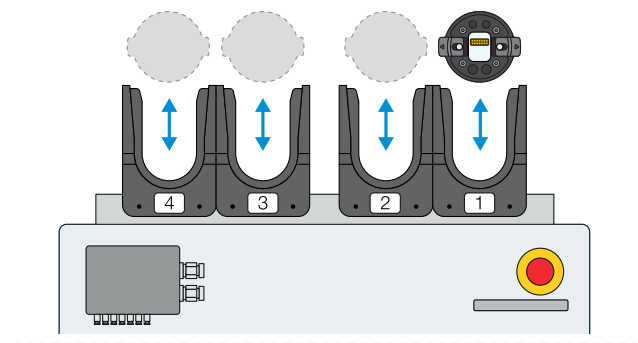
For all applications outside of human-robot collaboration (HRC), safety scanners are absolutely essential for ZiMo, especially for machine loading and unloading without a safety fence. The 2D safety scanners from SICK are an integral part of the safety circuit and are considered separately during risk analysis. With a detection angle of 275° per scanner and an effective range of 7.5 m, they make it possible to flexibly secure even complex working areas. Thanks to eight freely definable monitoring fields and four separate switch-off paths per scanner, the system offers maximum safety and maximum productivity at the same time.



With a combination of two safety scanners, you can reliably cover a 360° field of vision

2. Storage station for MATCH components

The MATCH tray offers space for up to four different end effectors from the extensive MATCH ecosystem and is therefore ideal for automated tool changes when applications change. The gripper change is fully automatic and safe, supported by an integrated signal query for "part present" detection.



With the storage station for up to four MATCH components, you can increase the flexibility to the highest level

3. Interfaces

ZiMo offers a wide range of configurable interfaces for seamless integration into existing production environments. Whether IO-Link, digital I/O (32 I/O), Euromap 67, pneumatics with or without safety function or a passive distributor – with the right connection, all options are open to you.



IO-Link

Digital I/O

4. Remote maintenance

With Zimmer HMI, you can access the convenience of remote maintenance. You can connect the HMI to your company network via Wi-Fi/LAN. This means you will get quick support if you need it, for example with

- ▶ ... problems and malfunctions
- ▶ ... the programming
- ▶ ... updates and bug fixes

The contents and data are correct as of printing. Edition 02/2026.

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ZIMMER GROUP – THE KNOW-HOW FACTORY

OUR KNOW-HOW FACTORY WORKS WITH ALL INDUSTRIES AND DELIVERS EVERYTHING FROM A SINGLE SOURCE. OUR PRODUCT RANGE IS FAR REACHING, BOTH IN ITS DEPTH AND ITS BREADTH.

DO YOU HAVE A DEVELOPMENT PROBLEM? WE'LL SOLVE IT! SET US A CHALLENGE IN RESEARCH AND DEVELOPMENT. COUNTLESS INNOVATIONS ORIGINATE FROM OUR COMPANY. WE ARE ENTHUSIASTIC ABOUT NEW PRODUCTS AND PRIDE OURSELVES ON OUR CORPORATE PIONEERING SPIRIT.

CONTACT – WORLDWIDE

With our current 19 global subsidiaries and partners in over 125 countries, we offer the excellent service of a technology leader. We look forward to hearing from you!



www.zimmer-group.com/en-us/contact

ZIMMER GROUP SYSTEM TECHNOLOGY – THE SPECIALISTS FOR CUSTOM SOLUTIONS

With over 30 years of development experience, the system technology develops special solutions for handling and automation.



www.zimmer-group.com/en-us/system-technology

HERE FOR YOU 24/7/365 – OUR VIRTUAL TRADE SHOW BOOTH

With impressive features such as an animated camera flight, clickable information hotspots and 3D models that can be rotated, we guarantee that you will be thrilled—virtually.



www.zimmer-group.com/en-us/expo

OUR NEW PRODUCTS

Zimmer Group is renowned as an innovator and for its pioneering spirit. Accordingly, each year we can offer new innovative and individual solutions. For current product highlights, refer to:



www.zimmer-group.com/en-us/innovations

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