

ZiMo – THE MOBILE ROBOT

PRODUCTIVE FROM DAY 1

THE CHALLENGES

A shortage of skilled workers, increasing flexibility requirements, and the desire for cost-effective automation are presenting many companies with new challenges. At the same time, customers are looking for a standardized, flexible foundation to implement automation independently.

With the Platform Kit ZIMO1000, you receive a modular solution concept: from the expandable base module through to a complete turnkey robot cell with End-of-Arm Tooling (EOAT), safety technology, interfaces, and robot.



Productive from day one



Modularly expandable



Independently integrable



Fast ROI



High flexibility



Scalable investment



THE SOLUTION – ZIMO1000

MODULAR AUTOMATION THAT ADAPTS TO YOUR NEEDS

Flexible base platform

The ZIMO1000 mobile robot as a Platform Kit forms the standardized foundation for flexible automation solutions. A finished basic module that can be expanded in a modular way serves as a starting point for different applications.

Automation based on your own concept

You retain the freedom to design your automation solution yourself. Your own integration services, adaptations, and expansions can be purposefully built on the platform.

For do-it-yourselfers and integrators

ZIMO1000 is suitable both for customers with their own integration expertise and for integrators who are looking for a powerful basis for their own automation solutions.

Easy Automation (Engineering)

From project planning, integration, and commissioning through the testing of new robot models all the way to the turnkey automation solution with overall responsibility by Zimmer Group.

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TECHNICAL DETAILS

PLATFORM KIT (ZIMO1000 SERIES)

Base module

- ▶ Base frame on four lifting casters with locking feet
- ▶ Tabletop partially machined
- ▶ Control cabinet including fan / ventilation grille
- ▶ Interface (pneumatic/electric) prepared
- ▶ Basic electrical equipment
- ▶ Status indicator (LED strip)
- ▶ Docking rail with "present" query
- ▶ Mounts for accessories integrated
- ▶ Drawer for simple installation and maintenance of the robot controller

Options (configurable)

- ▶ PLC
- ▶ Safety scanner
- ▶ Interfaces (Digital Safety I/O, Euromap 67, passive distributor, IO-Link, pneumatics)
- ▶ Tool changing station
- ▶ Storage for load carriers
- ▶ Additional docking rails

Complete end-of-arm tooling (EOAT) 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

Customer-side programming with support from Zimmer software packages

- ▶ ZiMo PLC + PLC modules for simple integration of the Zimmer Group portfolio
- ▶ Zimmer Comfort Apps

Robot

- ▶ A wide range of compatible robot models

Service

- ▶ For all components you obtain from Zimmer Group – from mechanics to software – you receive the familiar, reliable Zimmer Group Service from a single source.

Easy Automation (Engineering)

- ▶ Verification of the integration of new robot models
- ▶ Project planning
- ▶ Integration and commissioning
- ▶ Turnkey automation solution
- ▶ Overall responsibility by Zimmer Group



APPLICATIONS

- ▶ Pick & Place
- ▶ Workpiece removal
- ▶ Workpiece handling
- ▶ Collaborative assembly
- ▶ Quality assurance
- ▶ (De-)palletizing
- ▶ Packaging

ZiMo	Technical data
Control visualization	Customer-specific
Weight [kg]	300
Length [mm]	700
Width [mm]	785
Operating temperature min./max. [°C]	+5 ... +40
Electrical connection	CEE plug 16 A, 400 V, 5-pole

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