

ZiMo – THE MOBILE ROBOT

PRODUCTIVE FROM DAY 1

THE CHALLENGES

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.

- ▶ **Shortage of skilled workers** – monotonous manual labor is difficult to fill
- ▶ **High flexibility requirements** – changing orders and small batch sizes
- ▶ **Machine downtimes** – staff shortages cause downtimes
- ▶ **Loss of quality** – overworking skilled workers leads to errors



THE SOLUTION – ZIMO

AUTOMATION THAT ANYONE CAN OPERATE

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.



Ideal for small and varying batch sizes



Increased productivity



Flexible use



Optimized production processes



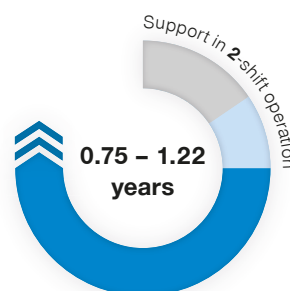
Customizable



Fast return on investment (ROI)

FAST RETURN ON INVESTMENT

With ZiMo, automation becomes the strategic answer to industrial challenges: More orders in less time and lower costs for personnel, operating and maintenance increase efficiency and revenue. This enables you to remain competitive and benefit from a fast ROI while also achieving sustainable cost savings.



ZiMo – THE MOBILE ROBOT

TECHNICAL DETAILS



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 and services

- ▶ For mechanics, optional PLC support

Complete end effector portfolio (configurable)

- ▶ Pneumatic, electric, vacuum

Options (configurable)

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



APPLICATIONS

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

ZiMo	Technical data
Control system visualization	Customized
Weight [kg]	305
Length [mm]	720
Width [mm]	920
Min./max. operating temperature [°C]	+5 ... +40
Electrical connection	Plug CEE 16 A, 400 V, 5-pin

Robots / FANUC	Technical data			
	CRX-5iA	CRX-10iA	CRX-10iA/L	CRX-20iA/L
Range [mm]	994	1249	1418	1418
Max. load capacity [kg]	5	10	10	20
Certificates	EN ISO 13849-1, Performance level d of category 3 and EN ISO 10218-1			
Robot control system	R-30iB mini plus	R-30iB mini plus	R-30iB mini plus	R-30iB plus
Max. TCP speed [m/s]	2	2	2	1
Position repeat accuracy [mm]	± 0.03	± 0.04	± 0.04	± 0.04

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