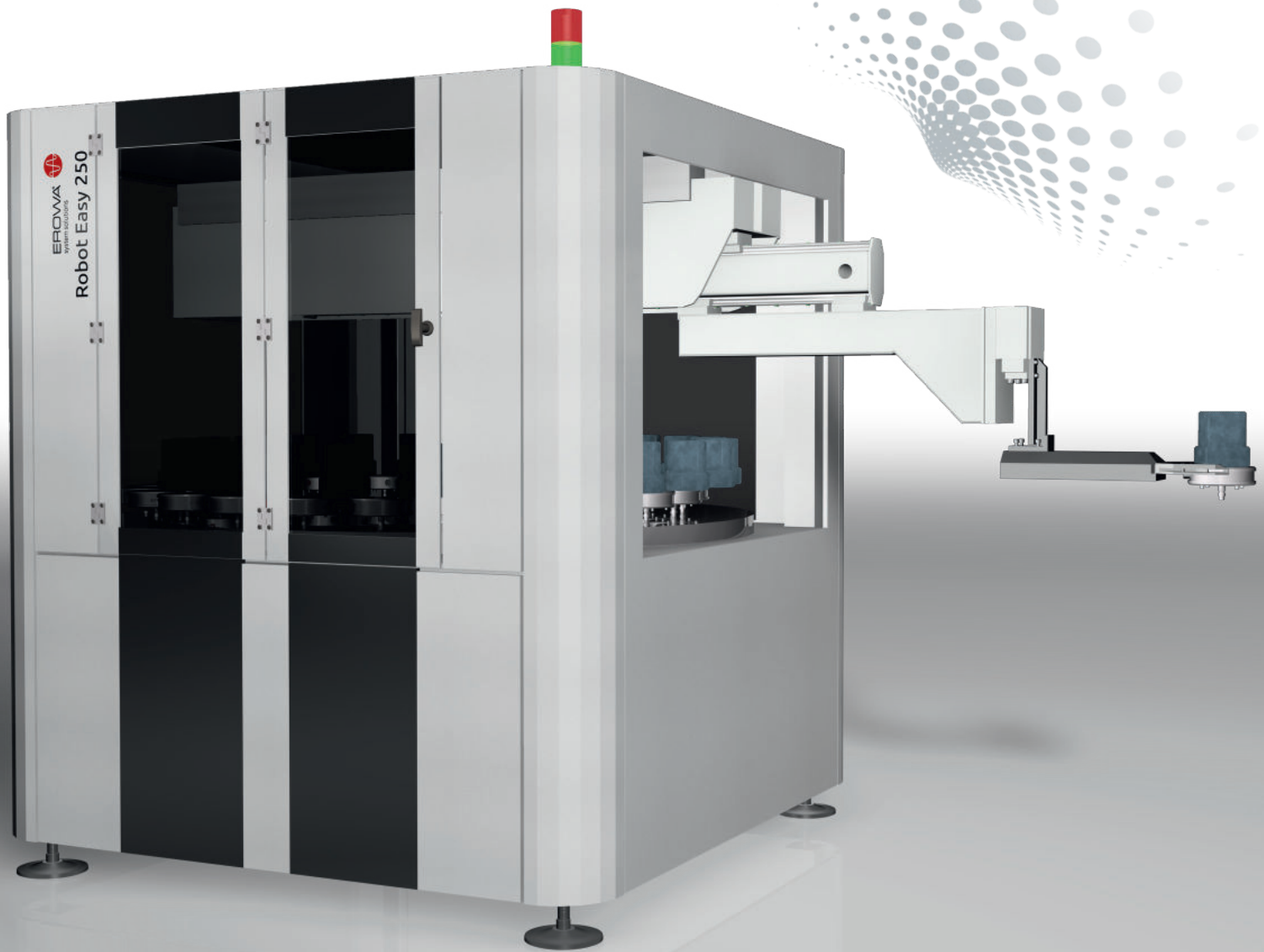


# Robot Easy 250

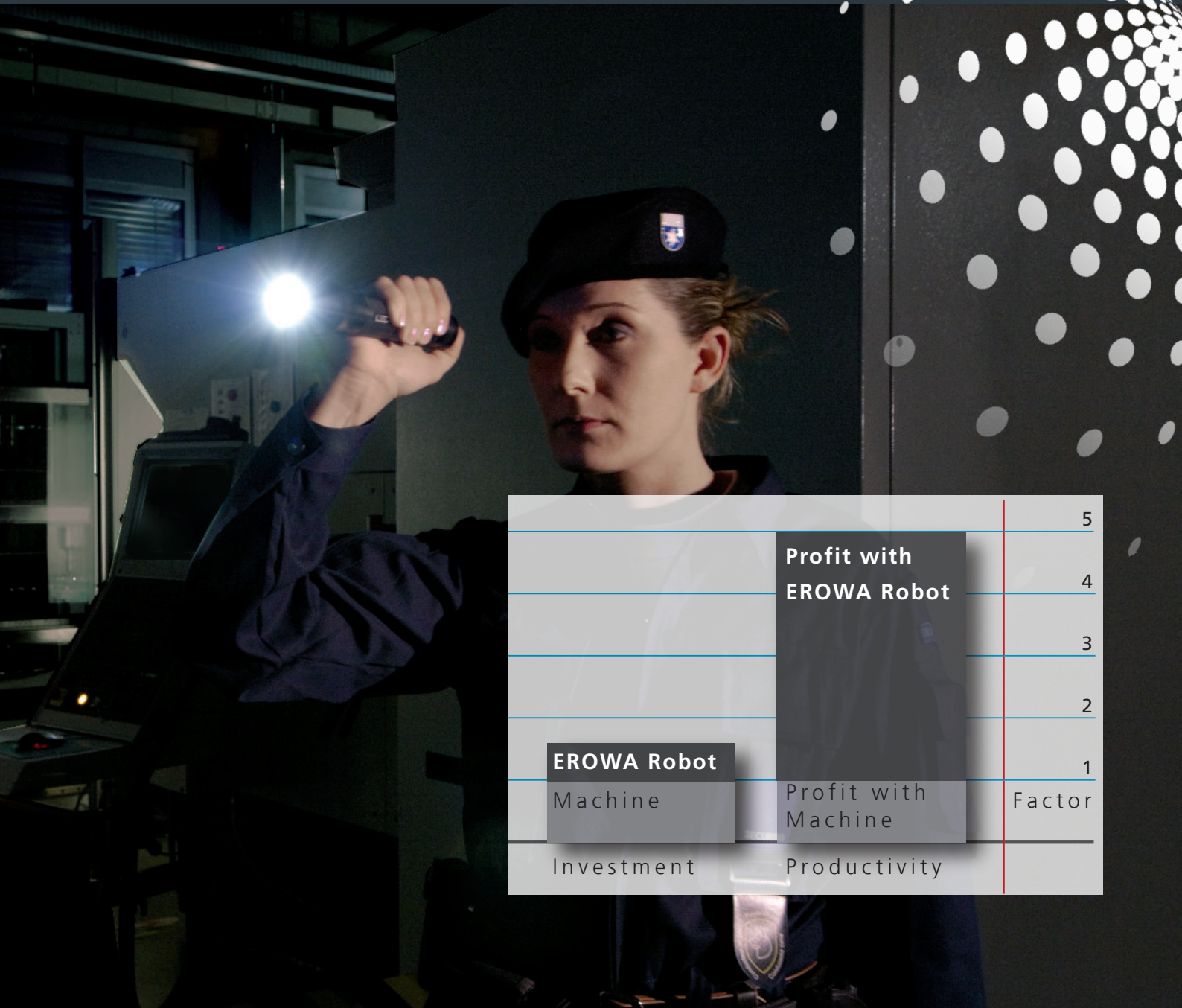
Simply efficient



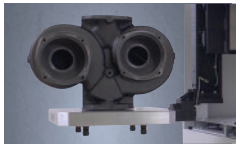
# Is your production asleep?

Your machines are profitable when they are producing. They should run during the day, in off-peak hours and at night, even on weekends. Achieving this goal means combining all production requirements in a plan.

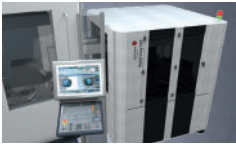
The plan is called "Flexible Manufacturing Concept – FMC". It is implemented in carefully measured steps.



		5
	Profit with EROWA Robot	4
		3
		2
EROWA Robot		1
Machine	Profit with Machine	Factor
Investment	Productivity	



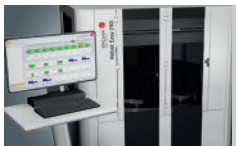
**Easy up to 250 kg** **4**  
 Transfer weight of up to 250 kg



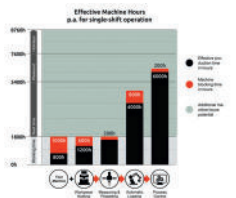
**Easy to install** **6**  
 Variants for different workpiece sizes



**Easy to retrofit** **8**  
 Fits all machines



**Easy to control** **10**  
 Advanced process control system



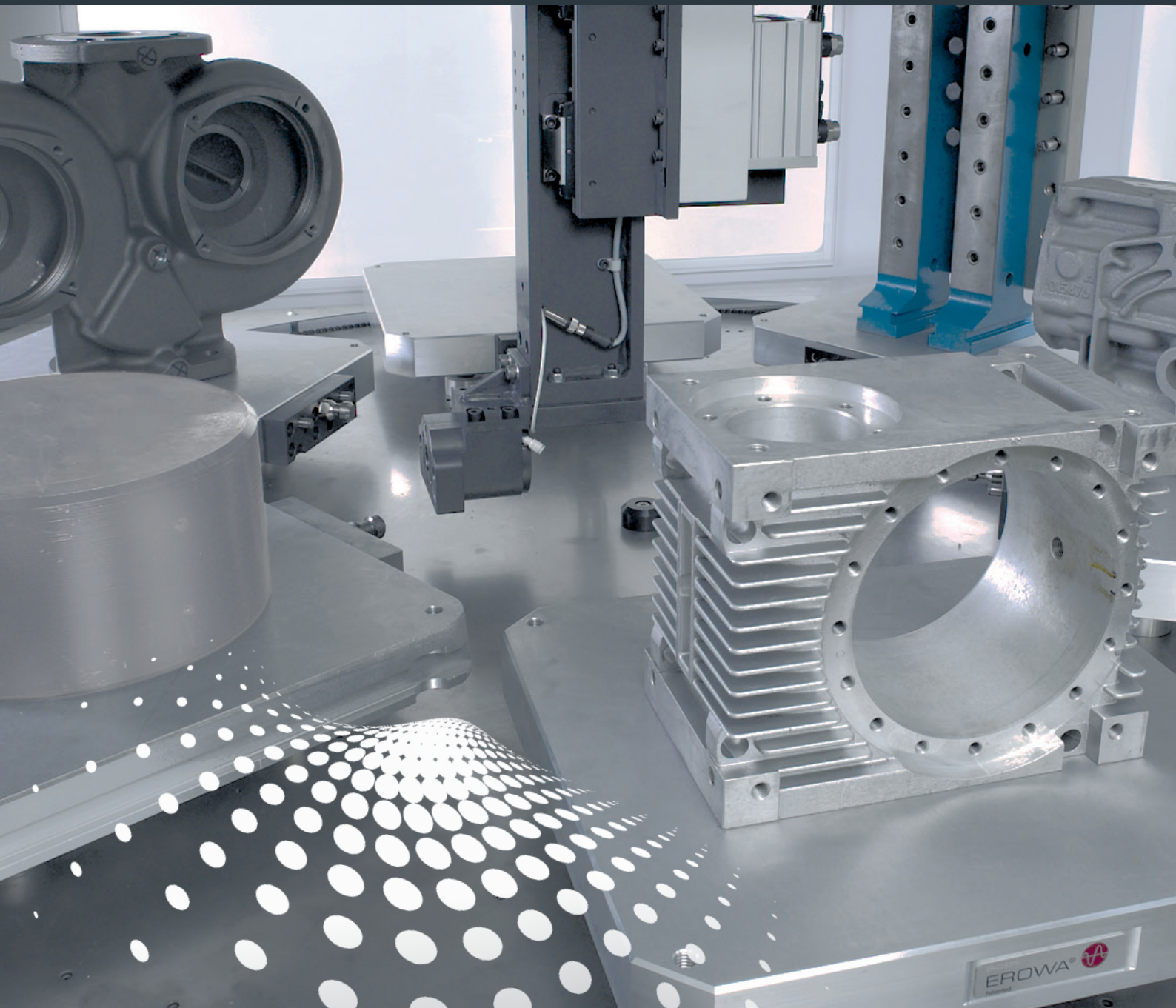
**Easy to recoup** **12**  
 Recouped in a year

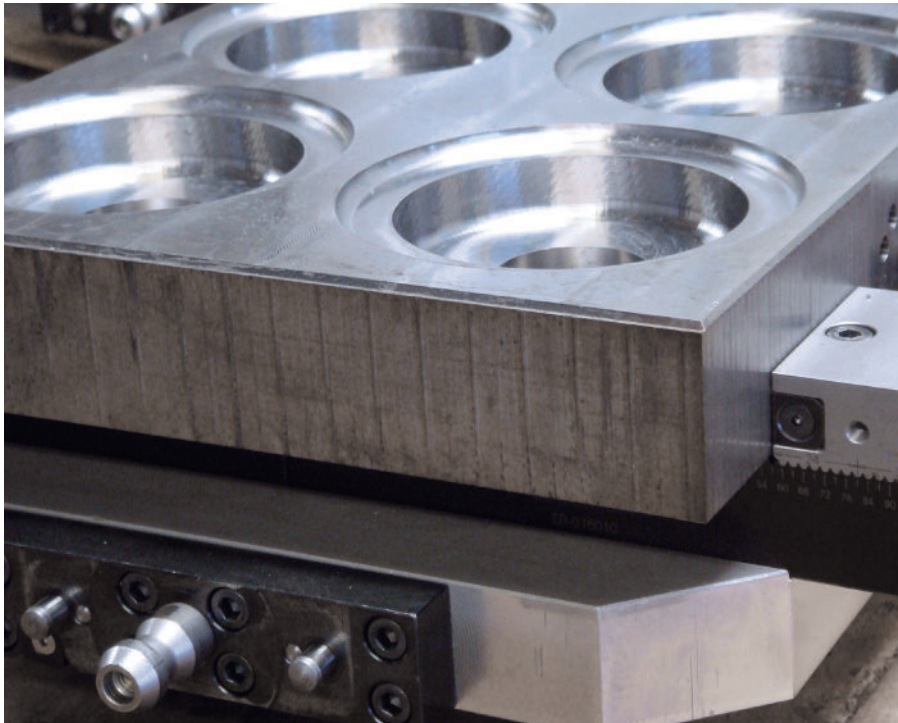


**50 years of experience** **14**  
 Quickly installed and ready

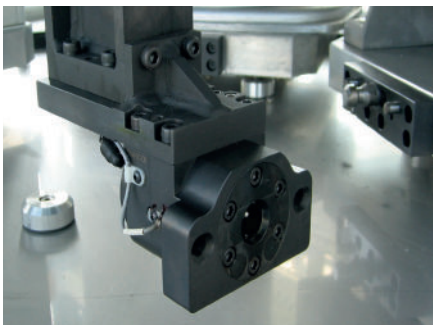
# Easy up to 250 kg

The Robot Easy is robust and sturdy. For large and heavy workpieces there is hardly a more economical solution. The long extension path leaves no wish unfulfilled.

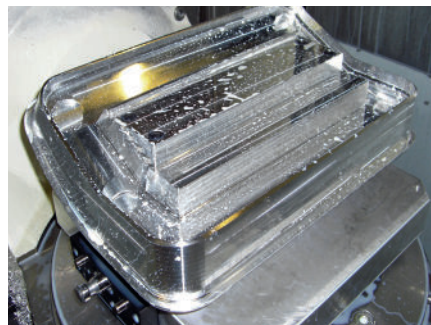




Moving 250 kg is no problem for the Robot Easy. Its robust design takes care of reliable pallet changes.



Strong is the RCS5 gripper. The internal monitoring system contributes to process reliability.



Large workpieces measuring L 500 x W 500 x H 400 mm fit in the magazine.



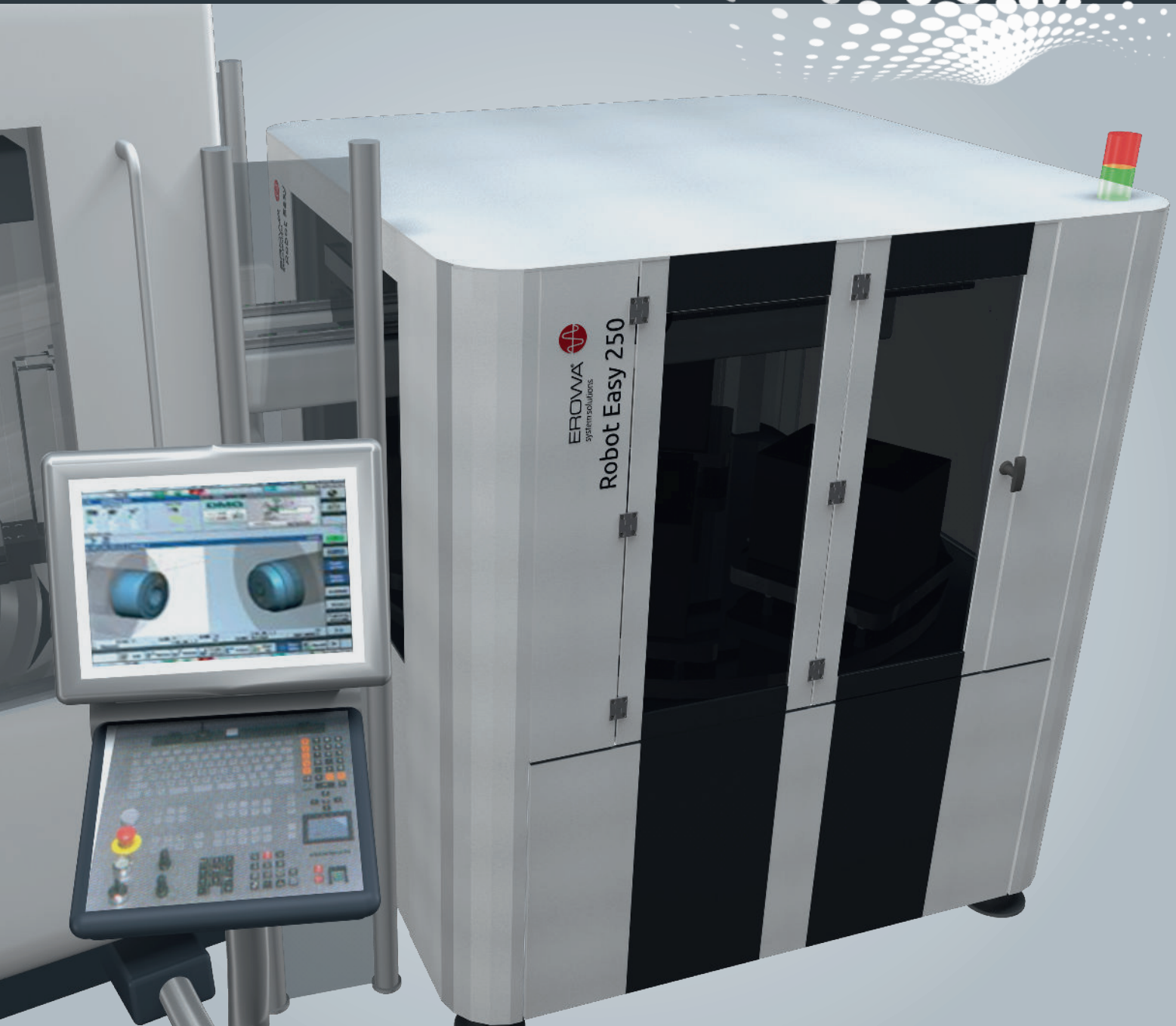
The axis remains stable even extended to 2500 mm. This is ensured by the design with double linear guides.

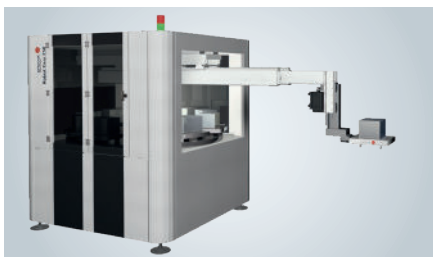
#### HEAVY WORKER

Workpiece size 500 x 500 x 400 mm  
Transfer weight 250 kg

# Easy to install

The Robot Easy fits all machines.  
There are two different transfer axes to choose from,  
depending on the workpiece weight.

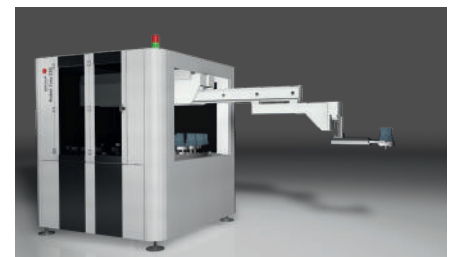




The long travel between the machine and the robot leaves enough space for manual work.



Machines with automatic workpiece change can deliver up to 4000 productive hours per year.



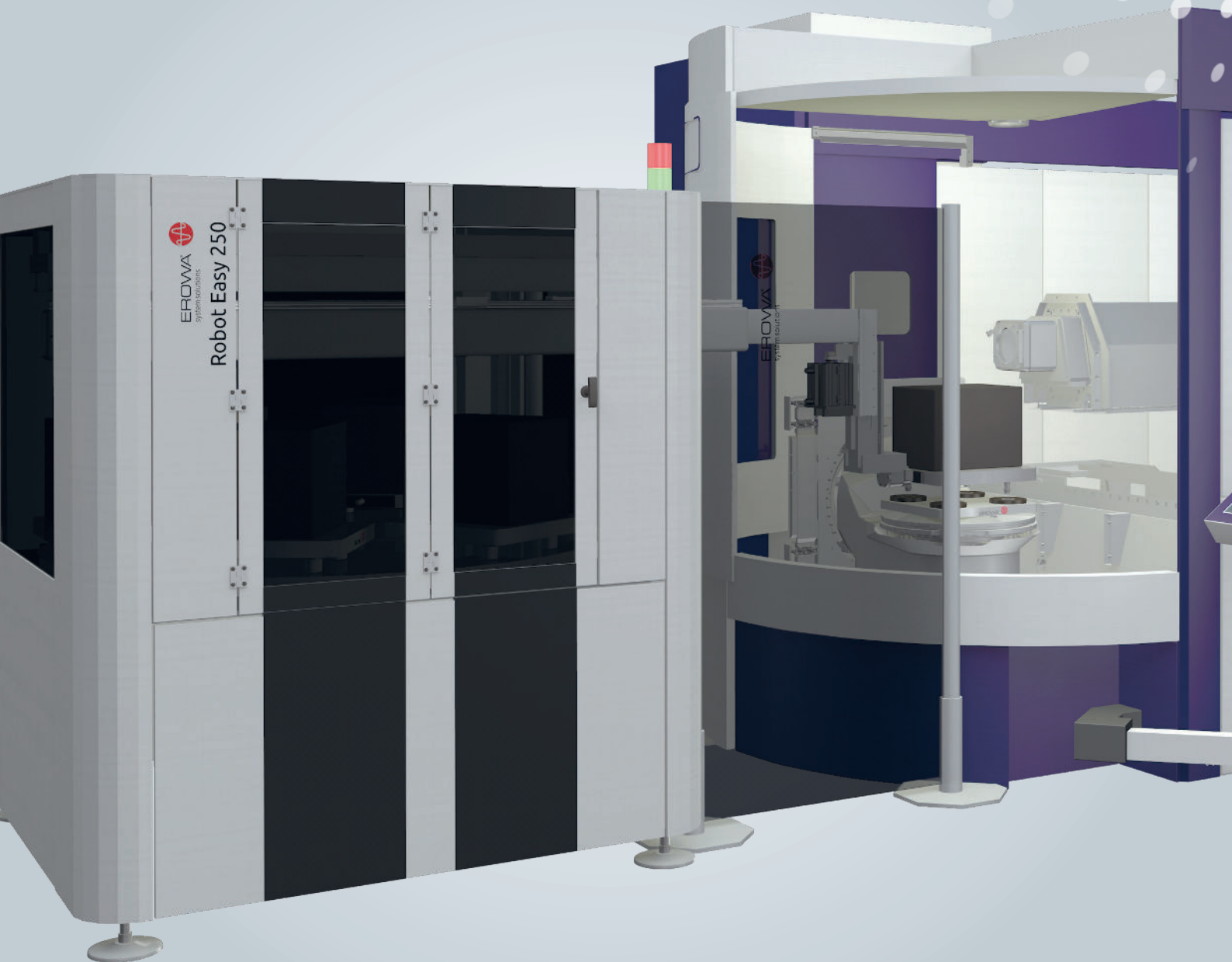
The "light" transfer axis is ideally suited to move pallets of up to 40 kg into the machine.

#### SUITABLE

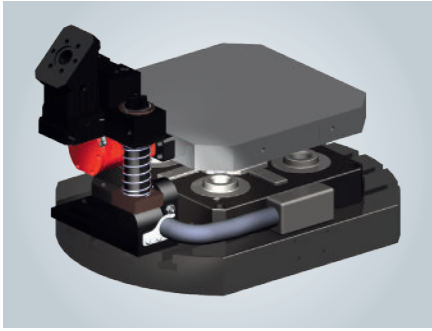
For milling, drilling and grinding  
 Integrated height adjustment  
 Choice of transfer axis  
 Choice of magazine configuration

# Easy to retrofit

The Robot Easy can be integrated with existing machines. More productivity is a direct result.







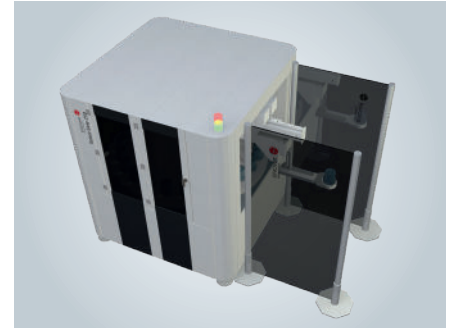
**AirDock**

Retrofitting air lines is often uneconomical on rotary tables. The Robot Easy solves this task with the AirDock option.



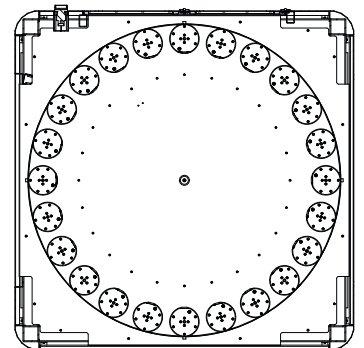
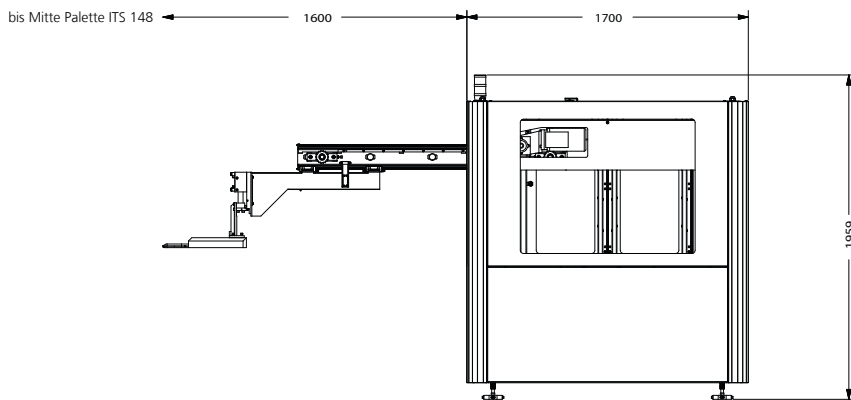
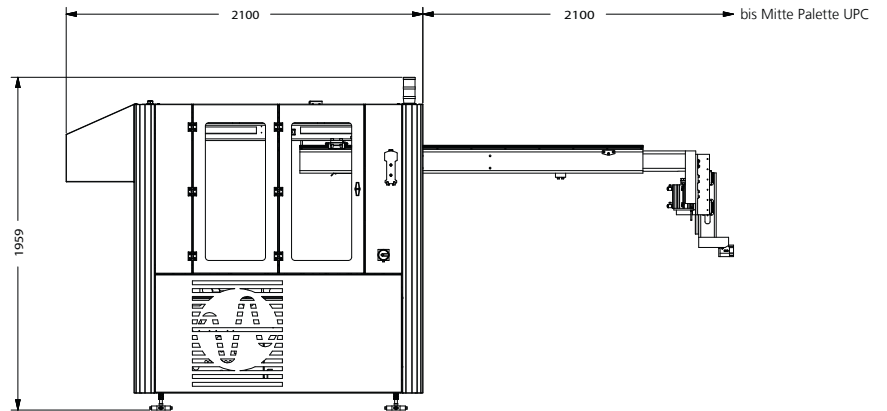
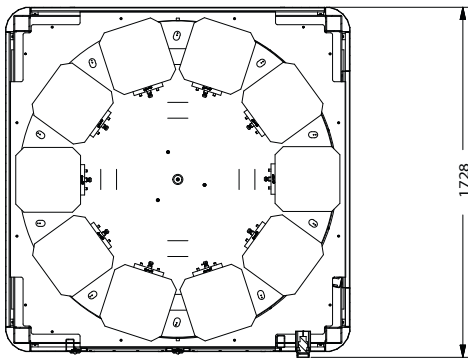
**RoboDoor**

For machines without an automatic door: RoboDoor. Well thought-out, quickly retrofitted, customized dimensions.



**Safety barriers**

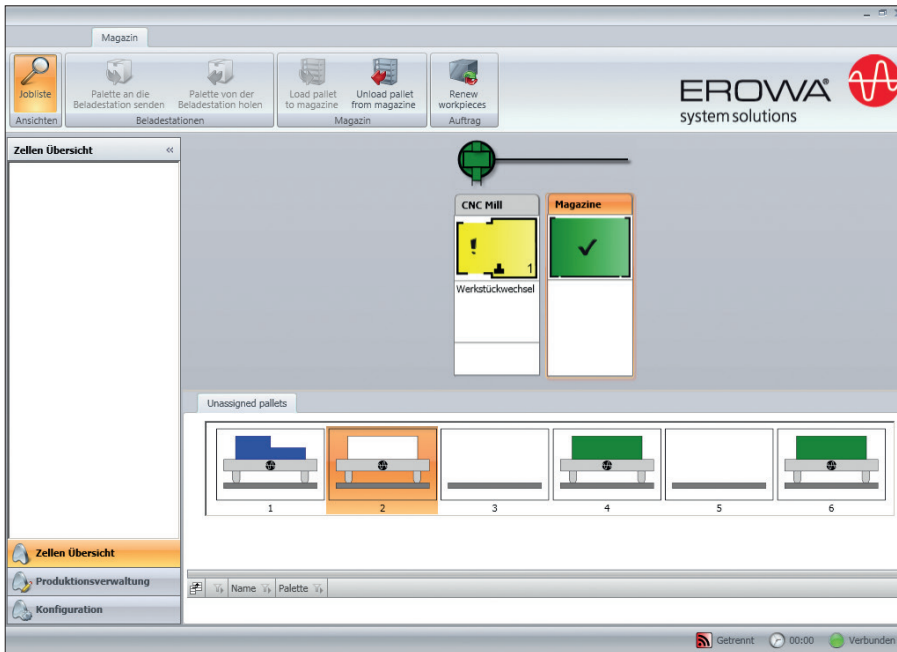
Safety rates high as well. Barriers and access doors are added on request.



# Easy to control

A real pleasure to work opens up when the machine and robot are controlled via the EROWA JMS 4.0 process control system.

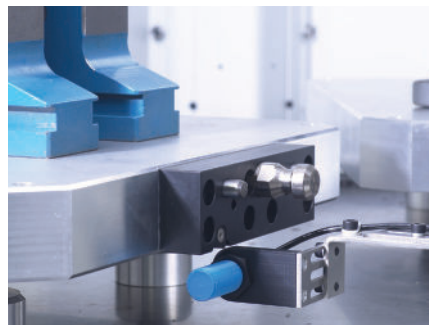




The operator is always being kept in the loop. CNC programs, set workpieces, currently remaining machining time, tool states and other information are available online.



See at a glance: the current autonomy of the system.



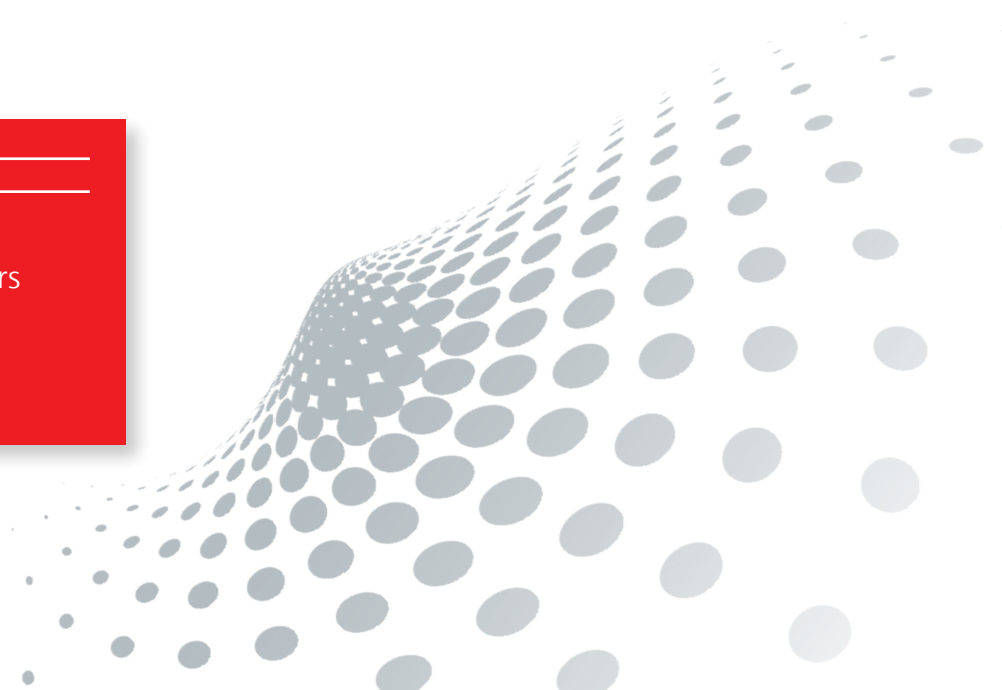
With the EWIST™ system, you always know each pallet's location, and the correct pallet is found automatically.

Name	State	Locked	Initial Lifetime	Remaining Lifetime	Remaining Lifetime in %	Family
50 773080001	Not Monitored		00:00:00	00:00:00		77308000
52 270000001	Ready		02:00:00	02:27:00		27000000
13 401000011	Error		00:51:00	00:55:00		40100000
54 351000011	Ready		01:40:00	00:40:00		35100000
33 495000001	Error		00:20:00	00:20:00		49500000
56 700200011	Ready		01:20:00	00:42:00		70020000
17 380000001	Ready		01:40:00	01:43:00		38000000
59 530000011	Ready		00:50:00	00:30:00		53000000
60 700000011	Ready		01:20:00	00:58:00		70000000
64 530000011	Ready		00:50:00	00:35:00		53000000
62 210000011	Not Monitored		00:00:00	00:00:00		21000000
62 530000011	Ready		01:20:00	00:55:00		53000000
64 521001211	Not Monitored		00:00:00	00:00:00		52100120
65 530100011	Ready		01:20:00	01:01:00		53010000

With different filter functions, the situation in the machine's tool memory is clearly displayed.

**KEEPS YOU IN THE LOOP**

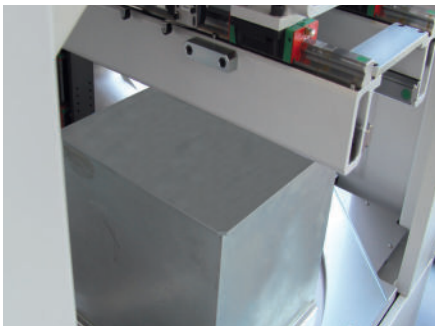
- Color code for quick overview
- Intuitive layout for the operators
- Logical process steps
- Current information



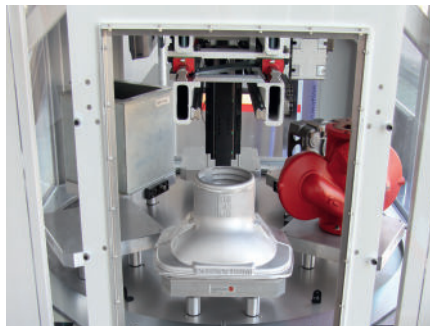
# Easy to recoup

The investment will pay for itself within a year. The large increase in autonomy allows 4000 and more productive hours.





Rugged design for use around the clock.



Worklist for many off-peak and night hours.

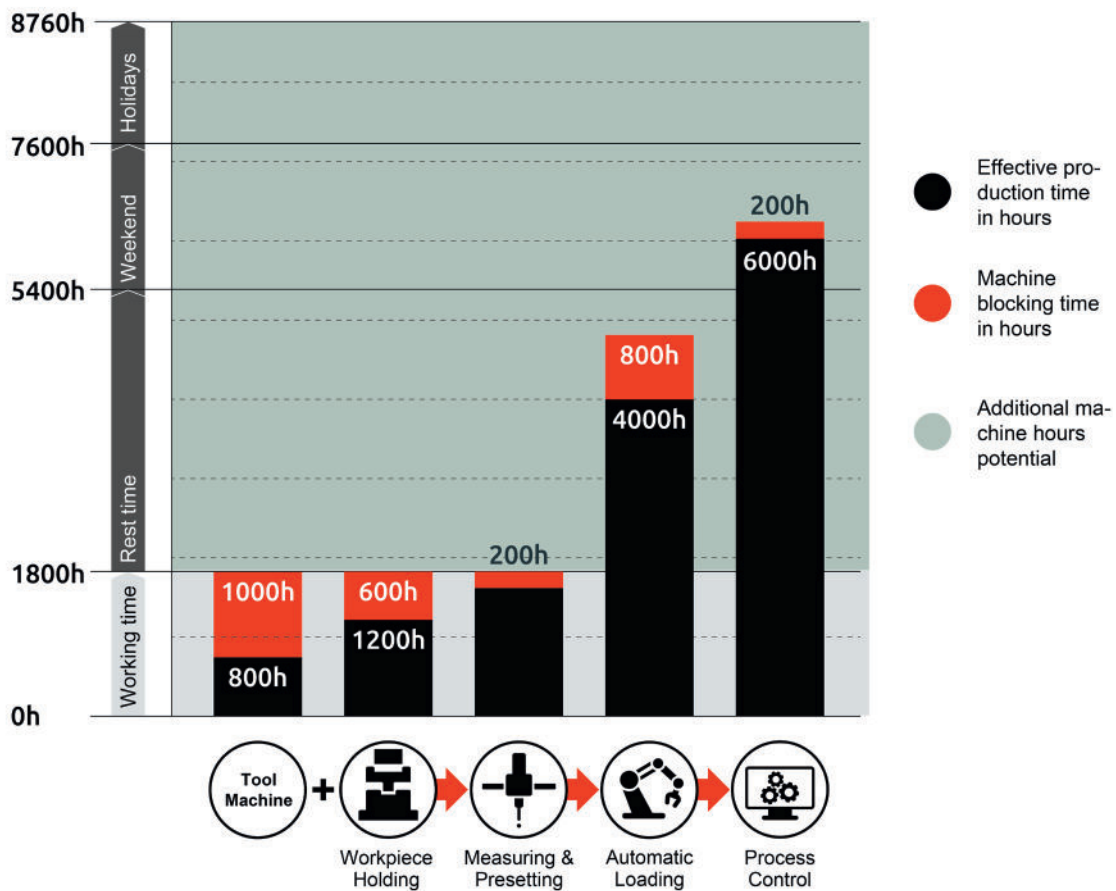


Integrated intelligence – once set up, the processes run almost automatically.



Top loading door for crane operation.

### Effective Machine Hours p.a. for single-shift operation



# 50 years of experience

**Long experience - short start-up.**

**EROWA robots consist of sophisticated, standardized components. This allows short set-up times.**

## Your critical benefits

- Everything from one single source
- Independent partner
- Perfect service with worldwide application
- Experience with over 4000 robots
- Standardized interfaces
- Long-life systems
- Integrated security system

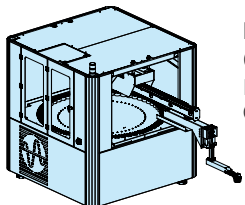
## The Facts

- 250 kg transfer weight
- Magazine with 4 to 60 positions
- Monoblock architecture


## Extension options

- AirDock for air supply to the machine table
- EWIS™ automatic pallet recognition
- Control system JMS 4.0
- Safety barriers

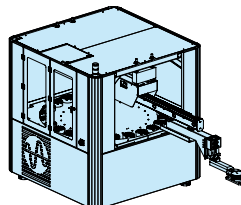
**THE NUMBER OF PALLET POSITIONS DEPENDS ON THE TOOLING USED.**




**ITS 50/72**  
60 x ITS 50  
Holder 72  
(Light axis)



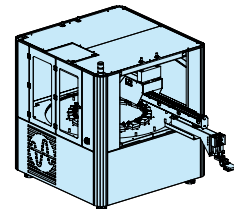
Workpiece height = 170 mm




**ITS 115/148**  
24 x ITS 115/148  
(Light axis)



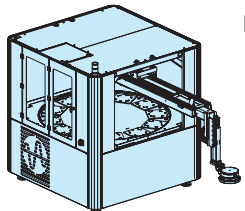
Workpiece height = 190 mm




**PalletSet W**  
7 x frame  
15 x holder  
(Light axis)



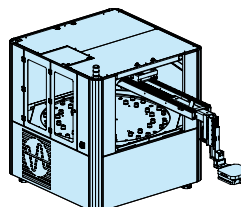
Workpiece height = 170 mm



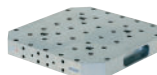
**PC 210**  
12 x PC 210



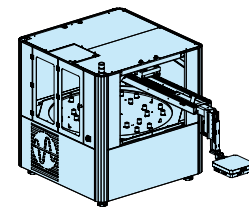
Workpiece height = 440 mm




**UPC**  
10 x UPC



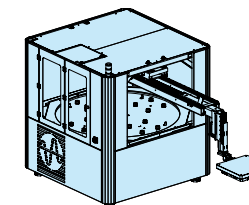
Workpiece height = 390 mm




**MTS 400**  
ITS MTS 400  
6 x ITS MTS 400



Workpiece height = 400 mm



**MTS 500**  
ITS MTS 500  
4 x ITS MTS 500



Workpiece height = 400 mm

**SYSTEM GRIPPERS**



RCS 5 gripper for MTS/UPC/PalletSet W  
Capacity MTS max. 250 kg  
Capacity UPC max. 130 kg  
Capacity PalletSet W 30 kg



PC210 gripper for PC210  
Pallets with ring groove  
Capacity max. 130 kg



ITS 148 gripper for ITS 148 pallets  
Capacity max. 40 kg



ITS 115 gripper for ITS 115 pallets  
Capacity max. 40 kg



PM 56 gripper for PM Tooling.  
Capacity max. horizontal/vertical 5 kg



PM 85 and PM 130 gripper for PM tooling. Capacity max horizontal 20 kg, vertical 10 kg



Gripper for ITS holder 72  
Capacity max. 20 kg



S gripper for ITS 50 holder  
Capacity max. 20 kg



Combo gripper for ITS and Compact tooling. Capacity max. horizontal 8 kg

**TECHNICAL DETAILS**

**TRANSFER WEIGHT**

Standard max. **250 kg**  
Light axis max. **40 kg**

**TRANSFER AXIS**

Transfer path (option) mm **1600 (2500)**  
System size L x W x H mm **1700x1700 (2100)x1800**

**MAGAZINE POSITIONS**

Magazine capacity **4-60 positions depending on pallet size**

**ELECTRONICS**

Automatic pallet recognition **Yes / EWIS™**  
Process control system interface **Yes**

# The next step

Important things need to be planned. And your next step is certainly among the important things. It is your start into a new, efficient era. We are pleased to be with you on the way. As consultants, in practice. For you to know at all times what you're engaging in. The next EROWA branch office is not far – **take the step.**



## USA

EROWA Technology, Inc.  
North American Headquarters  
2535 South Clearbrook Drive  
Arlington Heights, IL 60005  
USA  
Tel. 847 290 0295  
Fax 847 290 0298  
e-mail: [info.usa@erowa.com](mailto:info.usa@erowa.com)  
[www.erowa.com](http://www.erowa.com)

## Singapore

EROWA South East Asia Pte. Ltd.  
56 Kallang Pudding Road  
#06-02, HH@Kallang  
Singapore 349328  
Singapore  
Tel. 65 6547 4339  
Fax 65 6547 4249  
[sales.singapore@erowa.com](mailto:sales.singapore@erowa.com)  
[www.erowa.com](http://www.erowa.com)

## Japan

EROWA Nippon Ltd.  
Sibadaimon Sasano Bldg.  
2-6-4, Sibadaimon, Minato-ku  
105-0012 Tokyo  
Japan  
Tel. 03 3437 0331  
Fax 03 3437 0353  
[info@erowa.co.jp](mailto:info@erowa.co.jp)  
[www.erowa.com](http://www.erowa.com)

## Italy

EROWA Tecnologie S.r.l.  
**Sede Legale e Amministrativa:**  
Via Alfieri Maserati 48  
IT-10095 Grugliasco (TO)  
Italy  
Tel. 011 9664873  
Fax 011 9664875  
[info@erowa.it](mailto:info@erowa.it)  
[www.erowa.com](http://www.erowa.com)

Unità di Treviso:  
Via Leonardo Da Vinci 8  
IT-31020 Villorba (TV)  
Italy

## Switzerland

EROWA AG  
Knutwilerstrasse 3  
CH-6233 Büron  
Switzerland  
Tel. 041 935 11 11  
Fax 041 935 12 13  
[info@erowa.com](mailto:info@erowa.com)  
[www.erowa.com](http://www.erowa.com)

## France

EROWA Distribution France Sarl  
PAE Les Glaisins  
12, rue du Bulloz  
FR-74940 Annecy-le-Vieux  
France  
Tel. 4 50 64 03 96  
Fax 4 50 64 03 49  
[erowa.france@erowa.com](mailto:erowa.france@erowa.com)  
[www.erowa.fr](http://www.erowa.fr)

## Spain

EROWA Technology Ibérica S.L.  
c/Via Trajana 50-56, Nave 18  
E-08020 Barcelona  
Spain  
Tel. 093 265 51 77  
Fax 093 244 03 14  
[erowa.iberica.info@erowa.com](mailto:erowa.iberica.info@erowa.com)  
[www.erowa.com](http://www.erowa.com)

## China

EROWA Technology (Shanghai) Co., Ltd.  
G/F, No. 24 Factory Building House  
69 Gui Qing Road (Caohejing Hi-tech Park)  
Shanghai 200233, PRC  
China  
Tel. 021 6485 5028  
Fax 021 6485 0119  
[info@erowa.cn](mailto:info@erowa.cn)  
[www.erowa.com](http://www.erowa.com)

## Benelux

EROWA Benelux b.v.  
Th. Thijssenstraat 15  
6921 TV Duiven  
Netherlands  
Tel. +31 85 800 1250  
[benelux@erowa.com](mailto:benelux@erowa.com)  
[www.erowa.com](http://www.erowa.com)

## Germany

EROWA System Technologien GmbH  
Gewerbegebiet Schwadernmühle  
Roßendorfer Straße 1  
DE-90556 Cadolzburg/Nbg  
Germany  
Tel. 09103 7900-0  
Fax 09103 7900-10  
[info@erowa.de](mailto:info@erowa.de)  
[www.erowa.de](http://www.erowa.de)

## Scandinavia

EROWA Nordic AB  
Fagerstagatan 18A  
163 53 Spånga  
Sweden  
Tel. 08 36 42 10  
[info.scandinavia@erowa.com](mailto:info.scandinavia@erowa.com)  
[www.erowa.com](http://www.erowa.com)

## Eastern Europe

EROWA Technology Sp. z o.o.  
Eastern Europe  
ul. Spółdzielcza 37-39  
55-080 Kąty Wrocławskie  
Poland  
Tel. 71 363 5650  
Fax 71 363 4970  
[info@erowa.com.pl](mailto:info@erowa.com.pl)  
[www.erowa.com](http://www.erowa.com)

## India

EROWA Technology (India) Private Limited  
No: 6-3-1191/6, Brij Tarang Building  
Unit No-3F, 3rd Floor, Greenlands, Begumpet,  
Hyderabad 500016 (Telangana)  
India  
Tel. 040 4013 3639  
Fax 040 4013 3630  
[sales.india@erowa.com](mailto:sales.india@erowa.com)  
[www.erowa.com](http://www.erowa.com)