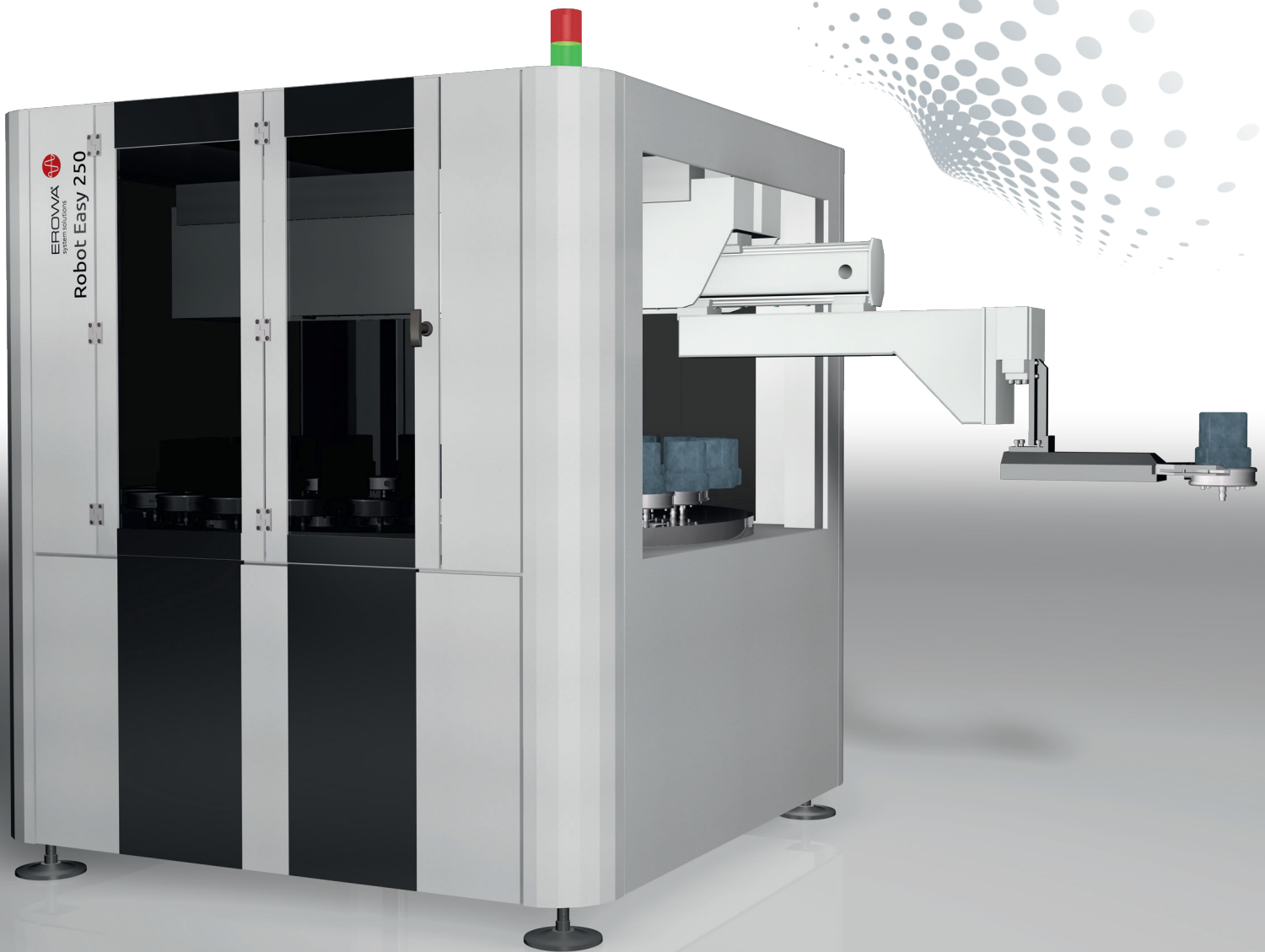


Robot Easy 250

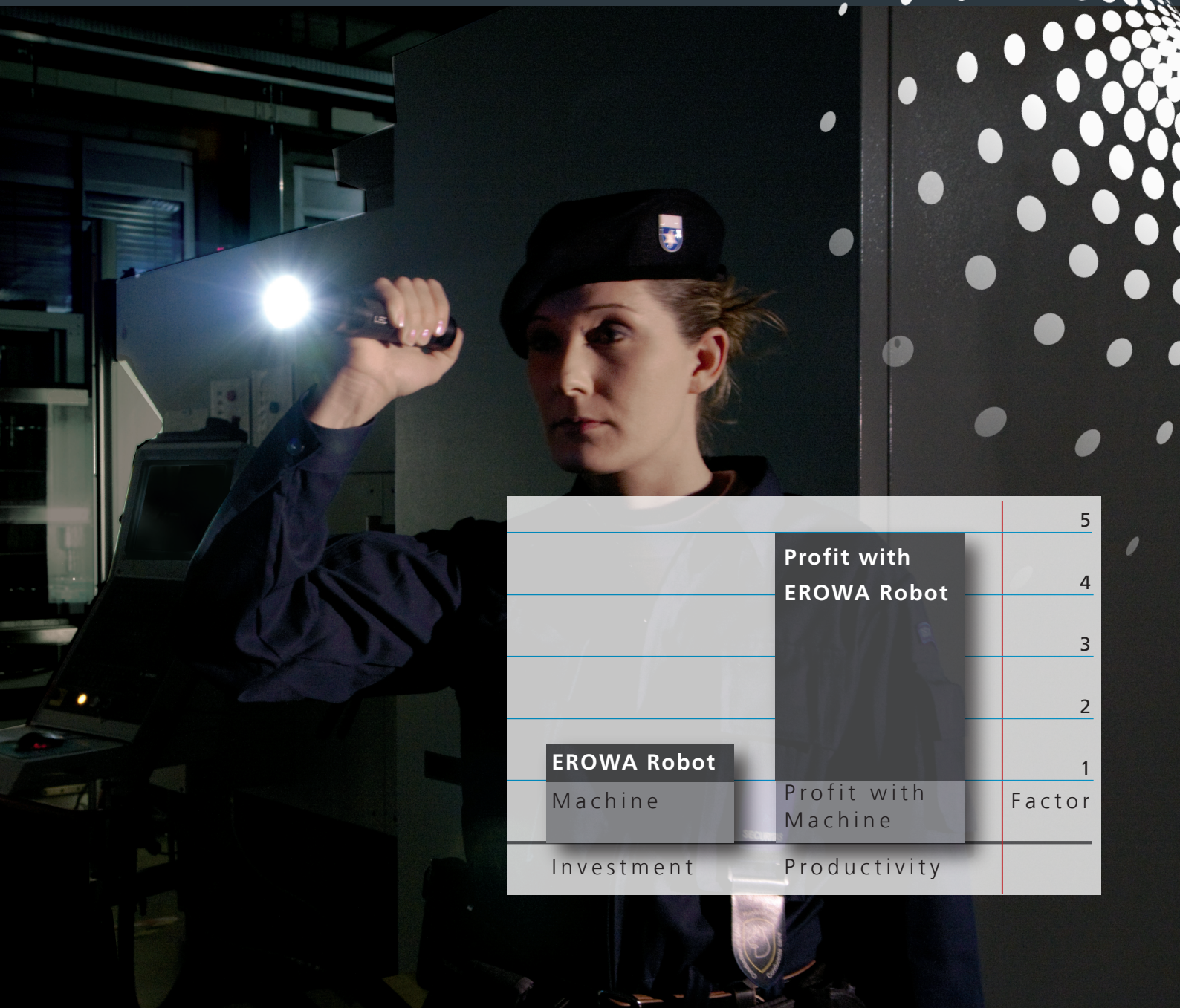
Simply efficient



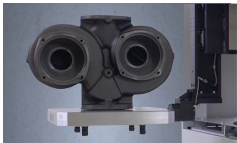
Is your production asleep?

Your machines are profitable when they are producing. They should run during the day, in off-peak hours and at night, even on week-ends. 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.



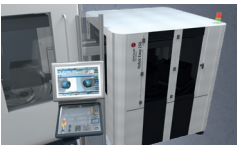
		5
	Profit with EROWA Robot	4
		3
		2
EROWA Robot		1
Machine	Profit with Machine	Factor
Investment	Productivity	



Easy up to 250 kg

Transfer weight of up to 250 kg

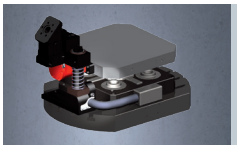
4



Easy to install

Variants for different workpiece sizes

6



Easy to retrofit

Fits all machines

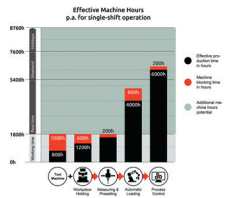
8



Easy to control

Advanced process control system

10



Easy to recoup

Recouped in a year

12



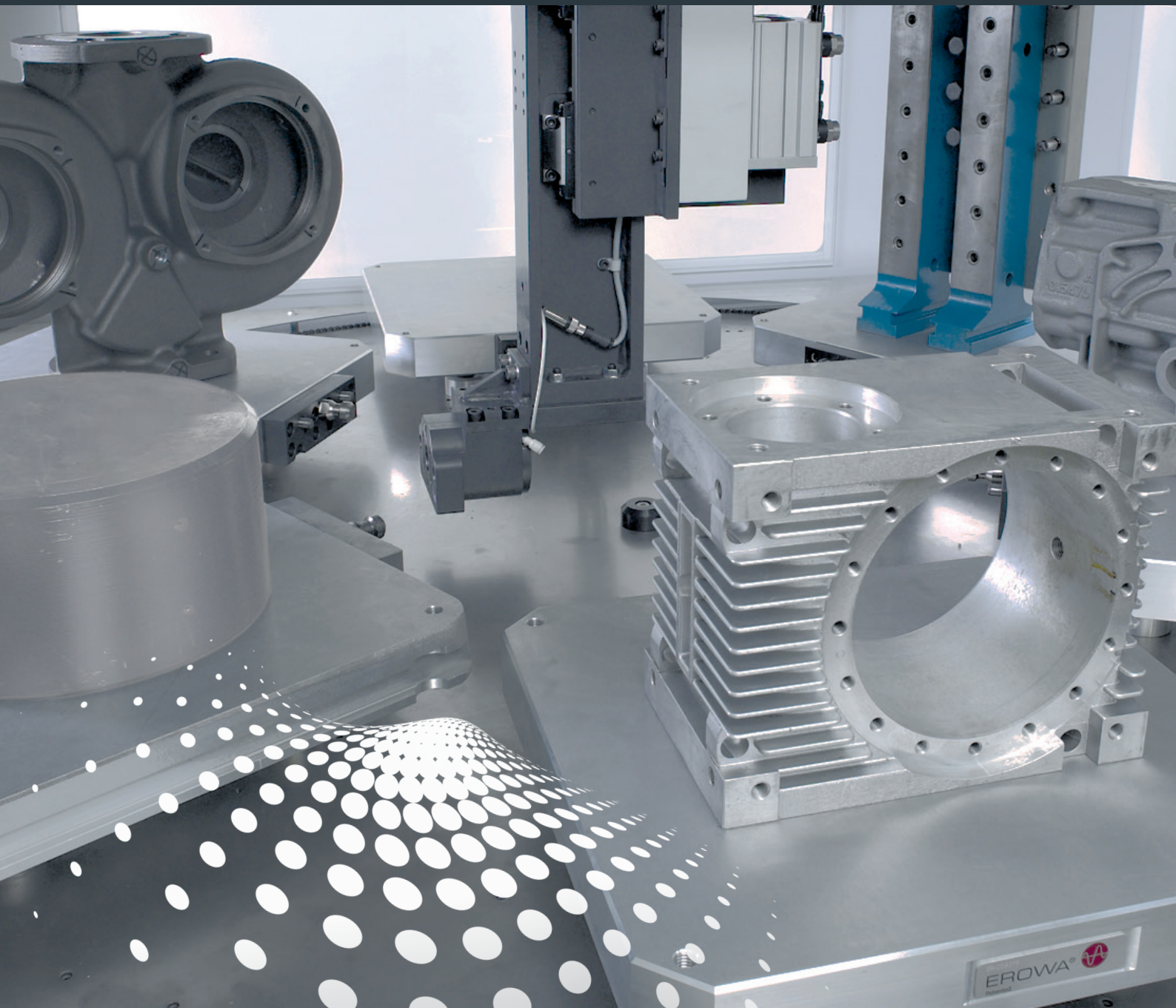
50 years of experience

Quickly installed and ready

14

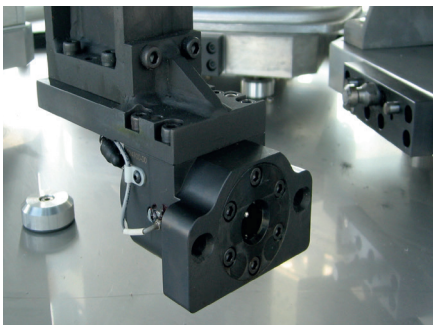
Easy up to 250 kg

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.

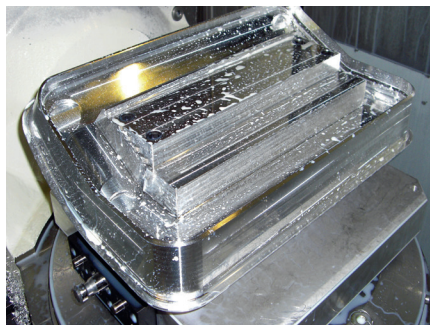




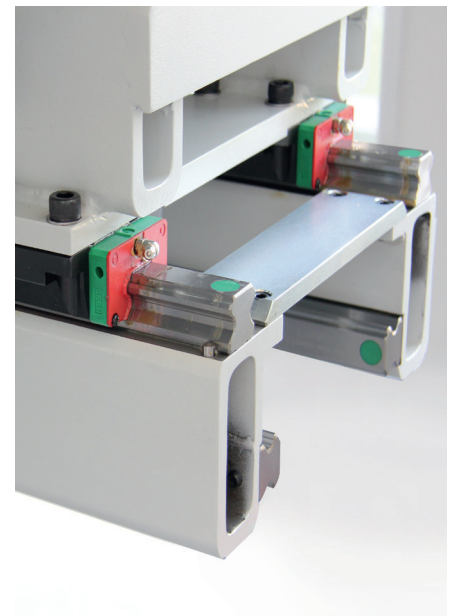
Moving 250 kg is no problem for the Robot Easy. Its robust design takes care of reliable pallet changes.



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.



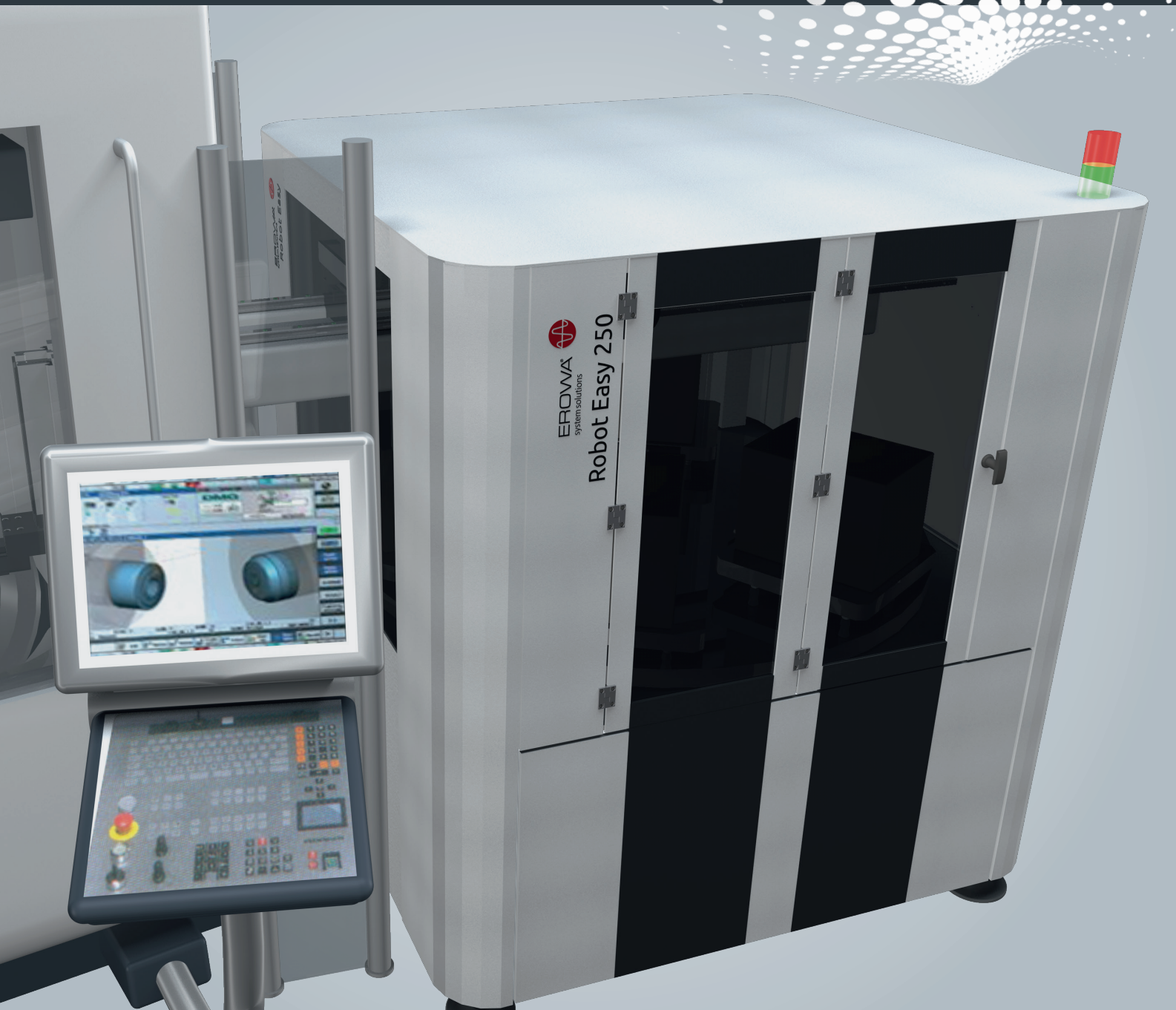
The axis remains stable even extended to 2500 mm. This is ensured by the design with double linear guides.

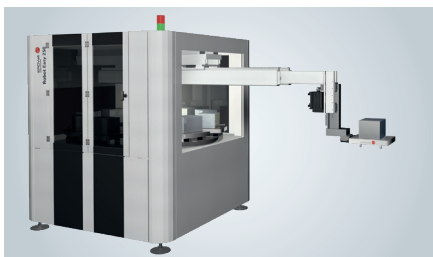
HEAVY WORKER

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.

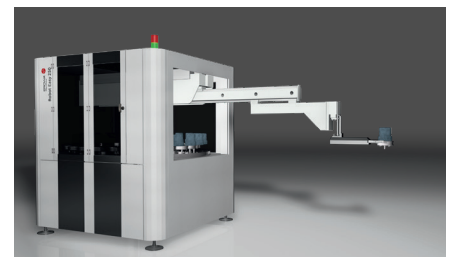




The long travel between the machine and the robot leaves enough space for manual work.



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



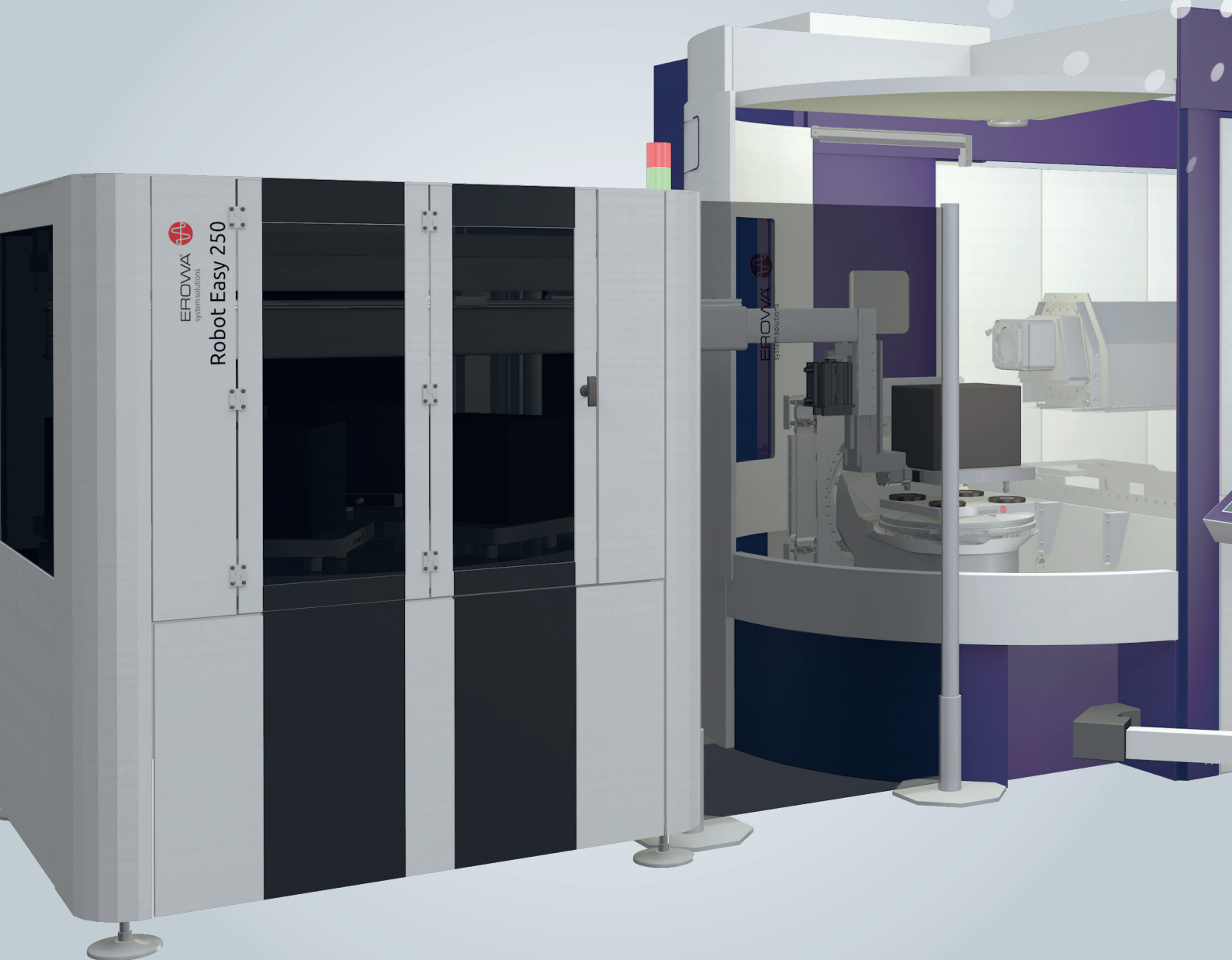
The "light" transfer axis is ideally suited to move pallets of up to 40 kg into the machine.

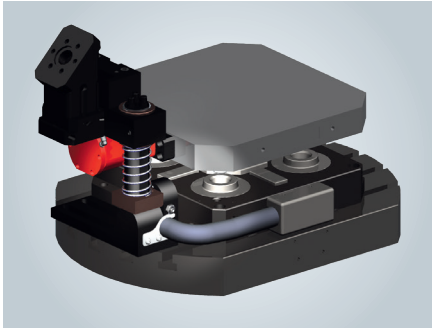
SUITABLE

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

Easy to retrofit

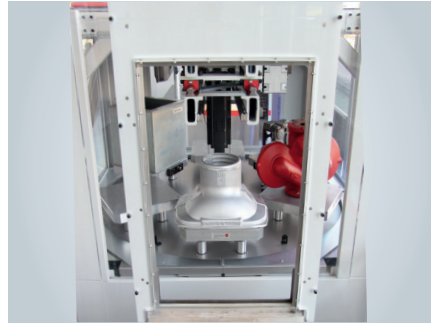
The Robot Easy can be integrated with existing machines. More productivity is a direct result.





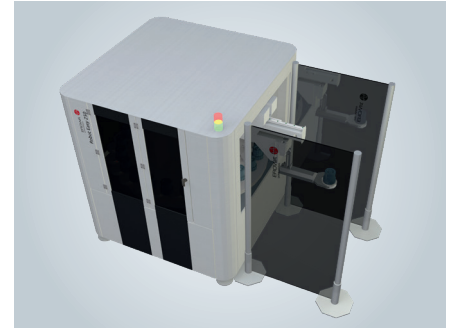
AirDock

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



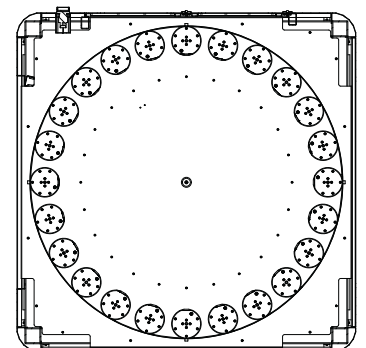
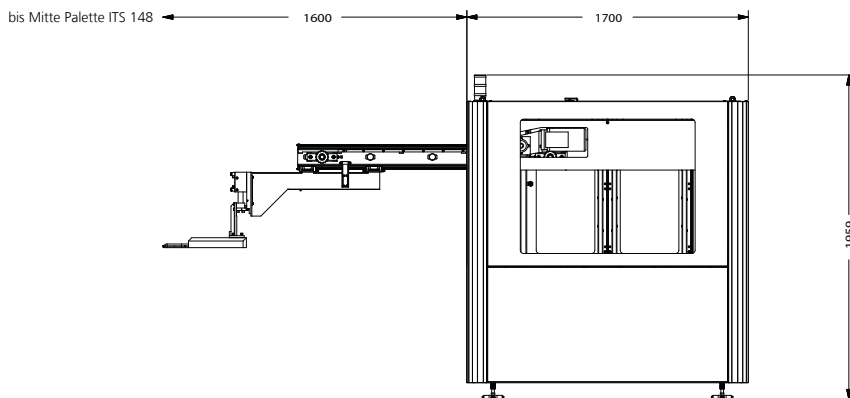
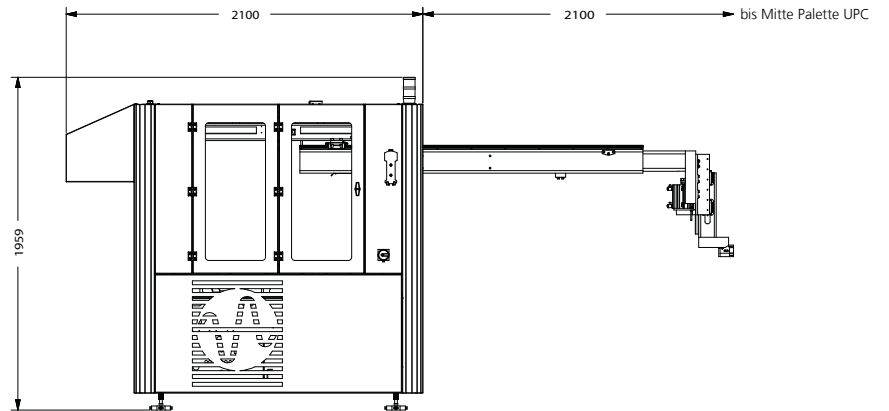
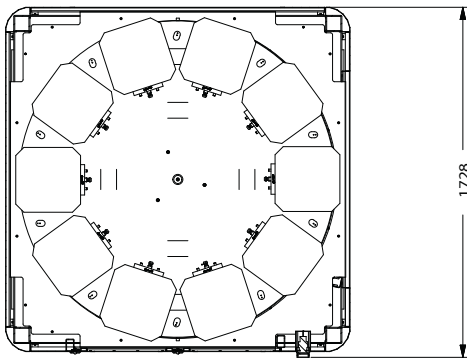
RoboDoor

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



Safety barriers

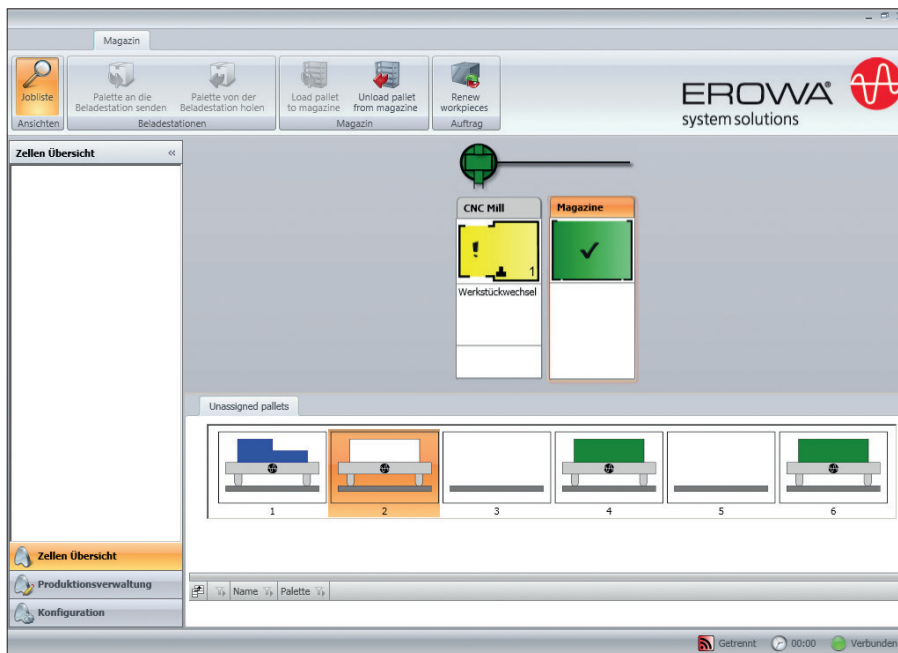
Safety rates high as well. Barriers and access doors are added on request.



Easy to control

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

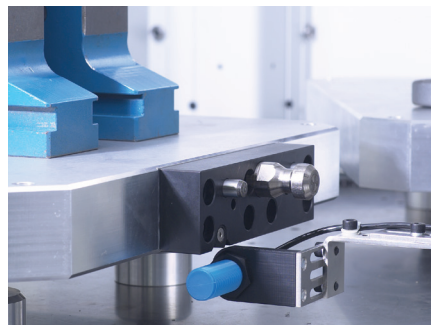




The operator is always being kept in the loop. CNC programs, set workpieces, currently remaining machining time, tool states and other information are available online.



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.

Alarm History		Internal Tool List					
ID	Name	State	Locked	Initial Lifetime	Remaining Lifetime	Remaining Lifetime in %	Family
50	773088003	Not Monitored		00:00:00	00:00:00		77308800
52	370005003	Ready		02:00:00	01:57:00		37000500
53	461063011	Error		00:55:00	00:55:00		46106301
54	351009001	Ready		01:40:00	00:40:00		35100900
55	491050003	Error		00:30:00	00:30:00		49105000
56	700100001	Error		01:20:00	00:42:00		70010000
57	380008003	Ready		01:40:00	01:40:00		38000800
59	530033011	Ready		00:50:00	00:32:00		53003301
60	700087011	Ready		01:20:00	00:58:00		70008701
61	530060001	Ready		00:50:00	00:35:00		53006000
62	210060001	Not Monitored		00:00:00	00:00:00		21006000
63	530095001	Ready		01:20:00	00:55:00		53009500
64	521081251	Not Monitored		00:00:00	00:00:00		52108125
65	530102001	Ready		01:20:00	01:01:00		53010200

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

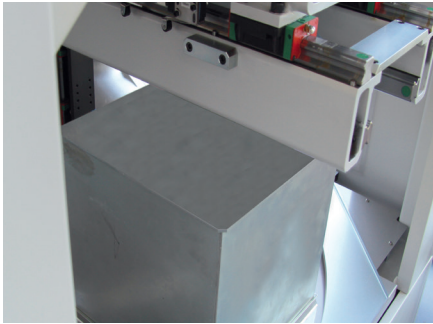
KEEPS YOU IN THE LOOP

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

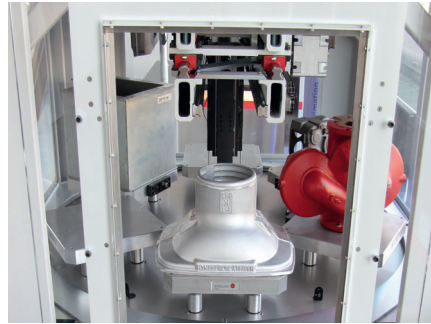
Easy to recoup

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.

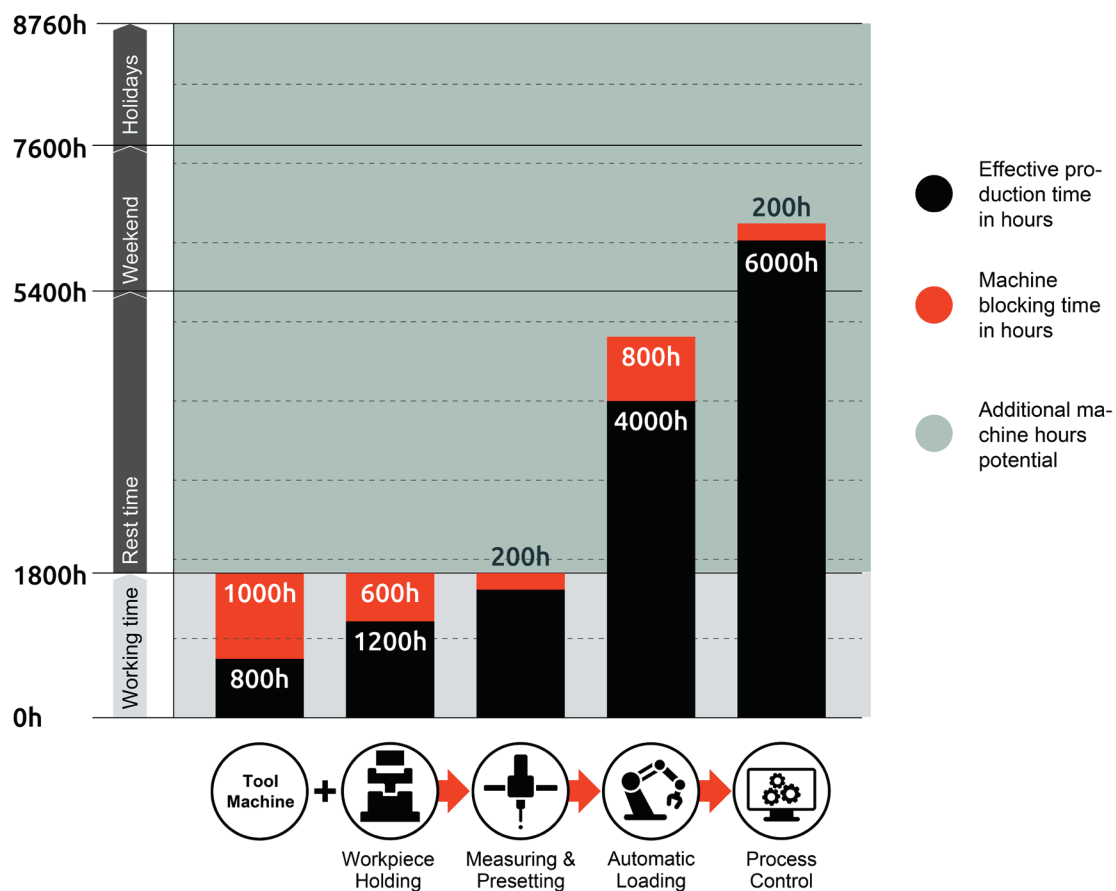


Integrated intelligence – once set up, the processes run almost automatically.



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

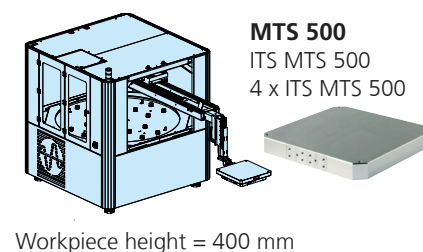
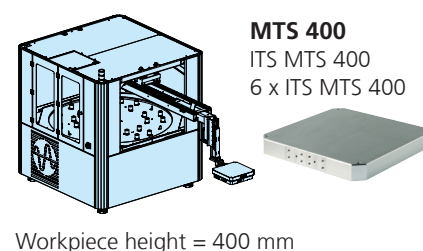
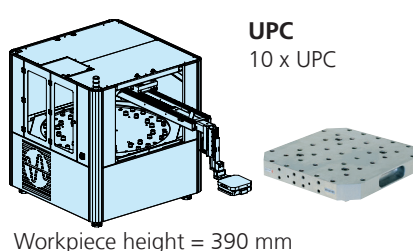
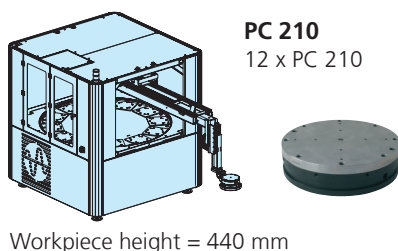
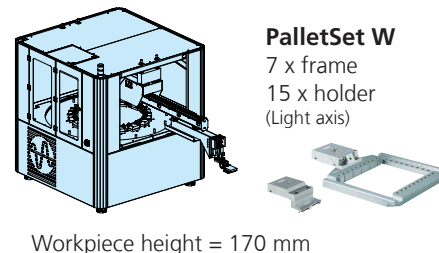
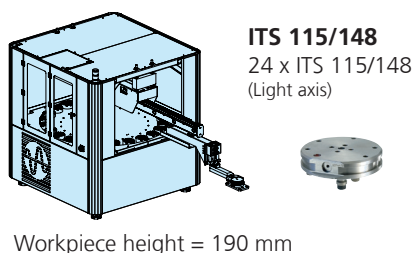
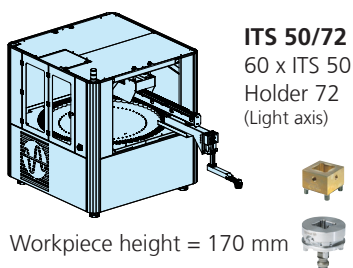
The Facts

- 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.



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 / EWISTM
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.**



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