

# EROWA Robot System



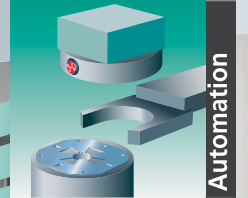
Integration

Automation

Organization

Standardization

3



Modular handling facility for EROWA tooling systems



**EROWA®**  
System solutions  
from one single source

# EROWA Robot System

The handling facility for all tooling systems: with a transfer weight of 130kg and a range of 1200mm, the ERS is suitable for handling a wide variety of workpieces. It can be configured to serve one or more machines.

Up to 3 rack or rotary magazines, mixed operation also possible

Reading time <30 seconds for the entire magazine workpiece identification with EWIS™

130kg transfer weight

Magazines to be loaded with loading station or EROWA Lift.



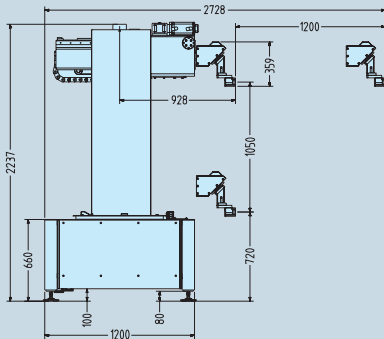
Can load one or more machines

CE-conforming safety barriers

X-range: 1200mm

Servicing-friendly casing

## Layout (example)



## Technical data

|                         |   |
|-------------------------|---|
| Transfer weight:        | max. 130kg including pallet             |
| Magazine configuration: | max. 3 rotary/5 rack magaz.             |
| Magazine levels:        | max. 9 rotary/rack levels               |
| Magazine load:          | rotary: 1200kg max.<br>rack: 900kg max. |

### Connection data

#### Pneumatic system

|                                   |  |
|-----------------------------------|--|
| Minimum pressure/<br>consumption: | 5 bar / 150 l/min.<br>(with MTS: 300 l/min.) |
|-----------------------------------|--|

#### Electrical system

|          |  |
|----------|--|
| Voltage: | 3 x 400 V, PE (further vol-<br>tages available as options) |
|----------|--|

|            |          |
|------------|----------|
| Frequency: | 50/60 Hz |
|------------|----------|

|         |       |
|---------|-------|
| Output: | 3 kVA |
|---------|-------|

|                  |       |
|------------------|-------|
| Nominal current: | 4,3 A |
|------------------|-------|

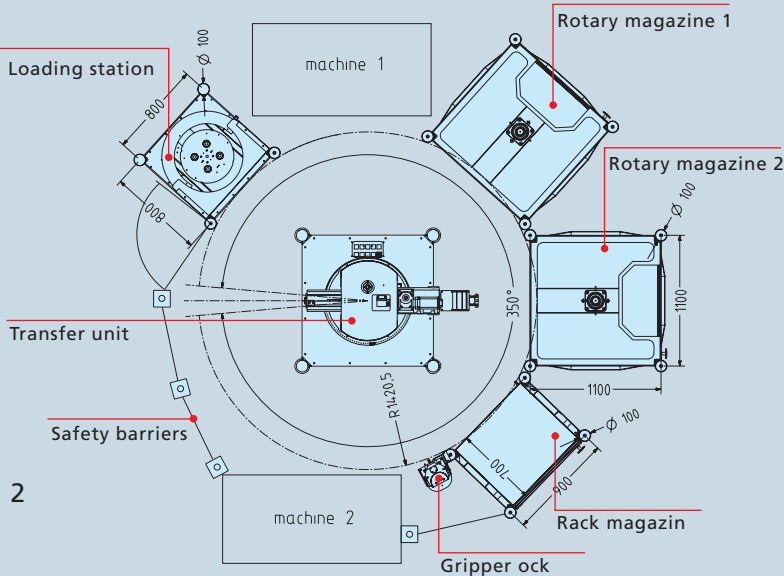
#### Control unit

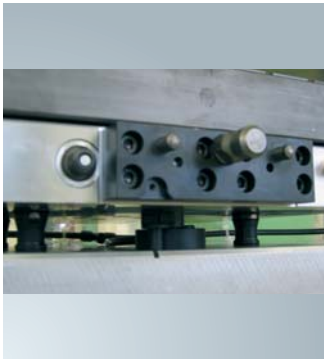
|                   |   |
|-------------------|---|
| EROWA interfaces: | M-function<br>Serial: RS 232/422<br>Parallel: I/O-Bit |
|-------------------|---|

|           |                      |
|-----------|----------------------|
| Protocol: | EROWA Standard/EWIS™ |
|-----------|----------------------|

|                        |                                  |
|------------------------|----------------------------------|
| Pallet identification: | EWIS™ Rapid<br>VISULINK/AutoLink |
|------------------------|----------------------------------|

|                             |     |
|-----------------------------|-----|
| EROWA JMS® Pro integration: | yes |
|-----------------------------|-----|





Pallets of up to 130kg are securely loaded/unloaded with the RCS gripper link.



Automatic coupling for compressed air or vacuum for the permanent operation of fixtures.



Gripper for PC210 pallets; maximum transfer weight: 100kg.



CNC machines with vertically aligned chucks can also be served by the ERS. The swivelable gripper arm turns the palletized workpiece into the correct position.



To save space, all EROWA system carriers required are stored in the gripper dock.



Magazine with vacuum coupling for the permanent clamping of pallets.



EWIS™ Rapid records all the magazine positions and communicates them to the cell computer.



Magazine configuration for series operation. 5 levels with 15 positions each results in 75 pallet positions.



Up to 9 levels are possible. Individual combination of magazine plates. Maximum load: 1200kg.



CE-conforming safety barriers are an integral part of the facility.

**There is a wide selection**

The magazine configurations that are presented here have been compiled according to our own experience. Further combinations are possible. Important decision-making criteria are the sizes and weights of the workpieces that are supposed to be loaded into the machine.



EROWA®

Robot System

# Take the next step.

Important matters require planning. And your next step is certain to be an important decision advancing your company even further. We will gladly support you during every step. You can profit from our advice and practical experience in today's modern and flexible manufacturing concepts.

Take that important next step. Contact an EROWA agency near you.

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