

Advantages and Functions



Practical loading station

A loading station can be integrated to simplify the setup and preparation of heavy and large workpieces. Here, the palletized workpieces are made ready for the next job; the operator presses a button to have the robot pick up the set-up job and place it in a free space in the magazine.



Dynamic features

RFID chip reader is integrated into the horizontal transfer axis. The extendable magazine levels ensure maximum ergonomics when loading and unloading pallets.

The magazines are available as rack or rotary magazines. The EROWA Robot Dynamic 500 has an interchangeable gripper system that can handle EROWA pallet and system sizes.



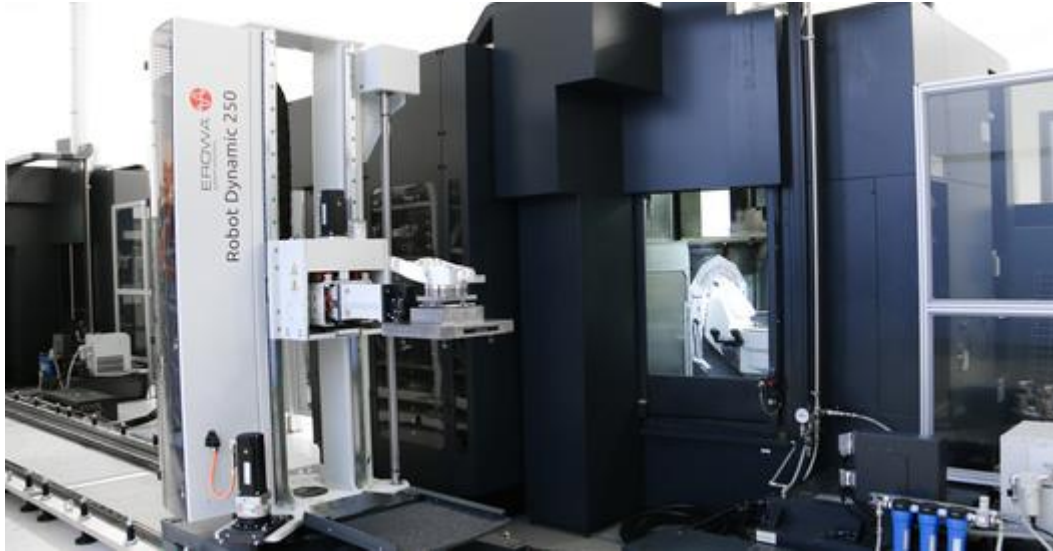
Maximum flexibility

Up to 12 machines from different manufacturers and with different machining technologies can be combined with the EROWA Robot Dynamic to form a flexible manufacturing cell up to 30 meters in length. Depending on the type of X-axis, the arm of the Robot Dynamic has a reach of up to 2350 mm.



Sustainable investment – modular expansion

The EROWA Robot Dynamic can be repeatedly adapted and upgraded to suit your specific requirements. The basic investment remains unchanged. If your requirements change, functions, interfaces, and magazine slots can be expanded as required. The robot system can be adapted to current requirements at any time and expanded modularly up to a rail length of 30 m.



High transfer weight

Robot Dynamics reliably transfer pallets with a total weight of up to 500 kg and dimensions of up to 800×800×500 mm to the machine. The same applies to small and light workpieces, depending on the design. With the optional 400 kg swivel axis, horizontal (table) or vertical (clamping cube) alignment makes no difference to the robot.



Cell management

With the EROWA JMS 4.0 process control system, machine operators have access to all relevant information and various planning aids online and up to date at all times. This is one of the prerequisites for flexible and automatic production of small series and individual parts. It allows orders from batch size 1 to be automated profitably.