AUTOMATED LOADING FOR UP TO 4 CNC MACHINES

Modular automation for loading and unloading CNC machines, with a zero-point clamping pallet system. The user sets the paths in a graphic plan, no programming required. Already in commercial use.



ROXA MANIPULATOR AT A CNC MACHINE

- **One system for several machines.** A ceiling-guided loading system serves up to 4 machines.
- **Setup away from the machine.** The operator changes parts at the table while the machine is cutting.
- **No work on the floor.** The system is guided from above, the floor stays free.
- **Modularly expandable.** Start with fewer machines and expand the system.

PRICE

from €78,000

net, EXW, excluding installation

Contact

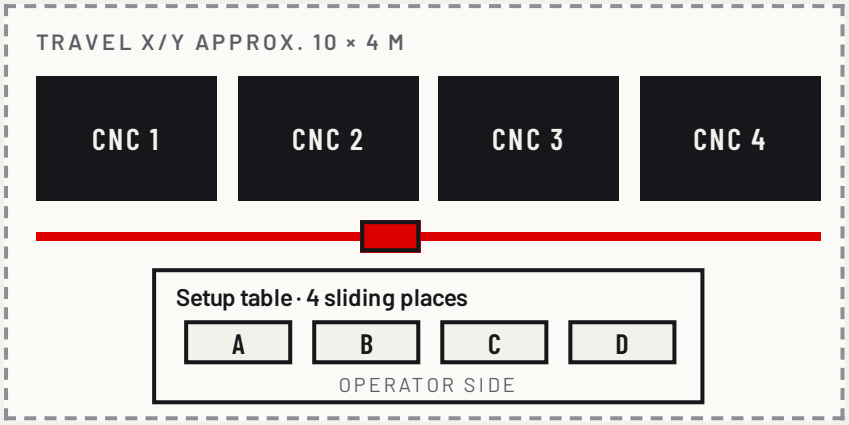
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CONFIGURATION AND SPECIFICATIONS



Schematic illustration, not to scale. The layout is adapted to the hall.

SPECIFICATIONS

Machines	**up to 4**
Travel X/Y	**approx. 10 × 4 m**
Speed	**up to 1 m/s**
Manipulator lift	**up to 1.5 m**
Load capacity	**up to 200 kg ***
Setup table	**4 places**

* pallet, clamping devices and parts combined



MANIPULATOR LIFT AXIS

HOW SETUP WORKS

1. After machining ends, the arm takes the finished parts to the assigned table place and cancels its release.
2. The operator pulls out the place, changes the parts and pushes it back. Pushing it in releases the pallet for production.
3. The arm takes a pallet from the nearest released place and prepares it at the machine for the swap.

OPTIONAL

Free-standing steel gantry with safety devices. Storage rack for 15 pallets for temporary storage, e.g. between machining and measuring or washing. Carrier pallets for zero-point clamping systems (e.g. AMF, KIPP, SCHUNK, EROWA).

SOFTWARE

Included in delivery: control system with drag-and-drop programming. The user sets the paths in a graphic plan without any programming.

Possible upgrades: AI proposal of the path sequence based on an entered list of programs and cycle times. ERP connection for automatically obtaining the data for path generation. Upgrades are not part of the basic delivery.

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