

KEN AL10

Automated load carrier for instrument racks in a CSSD



The KEN AL10 is a robotic system that handles the transport of racks between instrument washers, storage tables and the return hatch in a CSSD.

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The AL10 relieves the staff of manual transportation of the heavy goods so they can focus on the important work of cleaning and packing instruments.

Furthermore, the robot ensures efficient operation as it offers continuous operation 24/7/365, thus ensuring constant loading and unloading of washers in a 24-hour operation. Also, by replacing manual trolleys with this automated solution, the working environment within the CSSD is improved and the noise level is significantly reduced.



KEN AL10

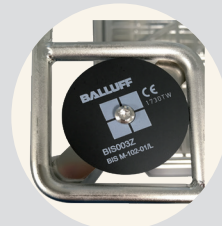
Main Advantages

- Time saving
- RFID tags
- No heavy lifting, pushing or poor working positions
- Focus on primary tasks
- Dynamic flow of racks
- Easy overview of the flow
- Quiet working environment
- Improved well-being and fewer sick days
- Assurance of correct wash
- Optimal utilization of the machines
- Safe navigation around the staff
- Balances the workload
- Distributes the tasks
- High productivity with lower capacity
- Enable cost-effective investments
- Reduced the number of validated programs required



Intelligent system

The RFID reader must be installed in the instrument washer for recognition of racks and automatic start of the right program. The RFID reader detects the incoming rack, and verifies the racks position with the robot server. For precise docking navigation, the robot needs a VL marker for the laser scanners to recognize. The VL marker is a part of the construction in the storage table and the robot charger, but must be installed on the instrument washer and the return hatch.



Racks must be equipped with
RFID tags



VL marker for instrument
washers and return hatch

Technical Specifications

| | |
|----------------------------------|--|
| External dimensions min. | H: 840 x W: 829 x D: 1017 mm |
| External dimensions max. | H: 1045 x W: 829 x D: 1017 mm |
| Weight | 201 kg |
| Caster wheels 4 pieces per AL10 | Caster wheels 4 pieces per AL10 |
| Driving wheels 2 pieces per AL10 | Width 38 mm - Dia. Ø200 mm |
| Capacity | 1 x IQ6 Rack or 1 x IQ5 Rack |
| Control interface | Tablet (service tablet) |
| Sealing class | IP20 |
| Power supply options | 100-240V 1 ~ +PE, 50/60 Hz |
| Power supply on this unit | See marking label on the machine. |
| Battery | Li-NMC 34,19 Ah |
| Transport | -20°C-70°C ≤ 80% RH. Handle with care |
| Storage | Storage -20°C-70°C ≤ 80% RH. Keep in packaging until installation |
| Operating environment | Ambient temperature and humidity: 5°C - 40°C, ≤ 80% relative humidity for temperatures up to 31°C decreasing linearly to 50% at 40°C |