

FLEXLEY MOVER

## AMR P604



Optimize your intralogistics and manufacturing flows up to 1500 kg with our smart, omnidirectional platform AMR.

Adaptable to any industrial sector, AMR P604 combines omnidirectional move capabilities with very low height, which provides multipurpose application possibilities in all internal environments.

Equipped with the latest technologies, this model is easily configurable based on customer needs. Thanks to its lifting table, AMR P604 is the ultimate solution to carry loads on top or with a metal structure, perfect for assembly lines or collaborative processes.

### **Collaborative**

Safe and reliable interactions with operators and connected elements (end of lines, robotic cells, wrapping machines...).

### **Compact**

Reduced dimensions and ergonomic height, making them manoeuvrable and adaptable to different applications.

### **Smart**

Traceability through real-time communication and by monitoring every vehicle of each unit or system. Robots are connected to your systems, allowing you control the AMRs and your facilities.

|                         |                                                                                                                        |
|-------------------------|------------------------------------------------------------------------------------------------------------------------|
| Maximum payload         | 1500 kg                                                                                                                |
| Lifting height          | 180 mm stroke                                                                                                          |
| Dimensions (L×W×H)      | 1940 × 850 × 250 mm                                                                                                    |
| Movement                | Omnidirectional                                                                                                        |
| Navigation system       | Magnetic + RFID tags<br>SLAM + Magnetic dual navigation (optional)                                                     |
| Speed range             | From 0.05 to 1.5 m/s                                                                                                   |
| Turning radius          | 0 mm (turn on the spot)                                                                                                |
| Positioning accuracy    | Up to ± 10 mm / 1.5°                                                                                                   |
| Manual movement         | Control Pad<br>Wireless remote control<br>Wired remote control                                                         |
| Battery                 | Li-Ion 48 V 40 Ah                                                                                                      |
| Charging system         | Online charging system (brushes)<br>External charger                                                                   |
| Environment             | Indoor                                                                                                                 |
| Safety systems          | 2 × Safety PLC<br>2 × Safety laser for indoor environment<br>4 × Emergency stop button                                 |
| Optional elements       | M2M module + Connected Services<br>External charger                                                                    |
| Handling system         | Lifting table                                                                                                          |
| Fleet management system | SIGAT MultiAGV<br>SIGAT PLC                                                                                            |
| Communication           | WiFi<br>Radio frequency system<br>M2M                                                                                  |
| Connectivity            | 2 × USB, Ethernet, IoT<br>Through IT: ERP, MRP, MES, DDBB interface<br>Industrial connectivity: OPC, wired connections |

