



LIFT-E 50

MOBILE MANIPULATOR

**EQUIPPING THE
FACTORY OF THE FUTURE**

- Ergonomic movable lifting station
- Loads up to 50 kg
- Small footprint, high flexibility

LIFT-E 50 - MOBILE MANIPULATOR

Area of Application

The "Lift-E-50" (50 Kg Ergonomic Lift) is a mobile manipulator solution to assist operators with weightless/balanced ergonomic workhandling of heavy or bulky objects up to 50Kg.

Drive it into position through battery powered wheelsets - no waiting for crane availability; compact footprint for use in areas of limited access.

Custom end of arm tooling designed to suit customer applications: move parts to and from conveyors, part inspection, assist on assembly lines, move machine tools or billets into CNC machines and many more applications.

Technical Data

Manipulator Arm

Lifting capacity: 50 kg

Ideal working pressure: 0.7 mpa (7 bar)

Reach: 1.5 m

Height adjust: Arm reach = 0.7 m
Column reach = additional 0.95 m

Maximum weight of system: ± 600 kg

Battery Powered Trolley

Two speeds: 2 km/h or 4 km/h
Two speed settings: (reprogrammable by request)

Safety: Hand controls featuring deadman stop for anti-crush protection

Dual 18V (5.2AH) & twin charger

Recharge time: 60 mins

Special Features

- Two pneumatic circuits and electric controls.
- Battery controlled trolley movements, pneumatic lift assist
- Increase operator productivity
- Enhanced ergonomics in areas with limited access
- Optimal maneuverability provided by motorised wheels
- Intuitive, safe operation
- Easily navigate slopes up to 6-degree (10.5%) incline
- Eliminate most common causes of work injury
- Digital Display with load state indication.
- Two battery powered fixed castors for movement in the production area.
- Brushless DC motor with integrated electromechanical parking brake.
- Non-marking wheels
- Sprung turning castors to maintain traction on rough surfaces
- Retractable Airline for pneumatic connection
- Pneumatic locking of all manipulator joints
- Safe mechanical tool locking system
- CE / UKCA certified

