

Mobile Cobot Light Duty Series 250

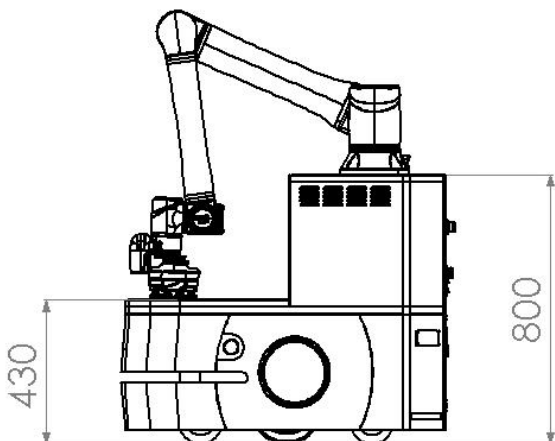
Light Duty Mobile Cobot (Mobile Manipulator) based on Omron LD-250 platform and Omron TM collaborative robot. Mobile Cobots can move autonomously between different work areas, switch from one job to the next in a breeze and transport material at the same time. Integrated Machine Vision enables the robot to calibrate its position on different work areas, read barcodes and recognize work pieces. Wide range of grippers available as an option. Delivered fully assembled.



Standard models

| Model | Cobot | Reach | Payload | Side lasers |
|-----------|-------|---------|---------|-------------|
| MC250-12 | TM12 | 1300 mm | 12 kg | NO |
| MC250-12S | TM12 | 1300 mm | 12 kg | YES |
| MC250-14 | TM14 | 1100 mm | 14 kg | NO |
| MC250-14S | TM14 | 1100 mm | 14 kg | YES |

All images are for illustrative purposes only, actual design may vary. Custom designs available on request.



Platform details, LD-250

Maximum payload: 250 kg

Maximum speed: 1.20 m/s

Optional side scanning lasers (MC250-__S models)

Optional fleet management server

Cobot details, TM12

Maximum reach 1300 mm

Maximum payload 12 kg

Cobot details, TM14

Maximum reach 1100 mm

Maximum payload 14 kg

Integration Module

Programmable PLC (Omron NX-102)

Programmable Safety Controller (Omron NX-SL3300)

Safety measures to prevent simultaneous movement of platform and cobot

Industrial 4G LTE Wi-Fi router

Integration guide supplied with every unit

Options

Wide range of grippers available on request

