

cts AMR - datasheet

medium payload

Autonomous mobile robot

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LD250 RG

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|---|--|
| Robot-Type | Mobile Robot |
| mobile Platform | LD250 |
| Payload | up to 150 kg, dependent on used options/customizing and Safe Transfer with contact- and wireless safety |
| Conveyor type | Frontloader roller |
| Dimensions L x W/D x H (ca.) | 980 x 825 x 1800 mm |
| Max. overall weight | 350 kg |
| Possible Dimension on transportation goods | Standard: 800 x 600mm / 2x KLT 600 x 400mm With options up to 1 Palette (1200x800mm) |
| Areas of Application | Big Tablar, Box-Stacks, Metal-Box transport for raw material supply and finished good movements; Low weight palletes |
| Transfer / handover height | Standard: 800 mm (Customizable) |
| Height adjustability | Optional (another fixed height) |
| Lift capability | No |
| Lifting speed | - |
| Interface conveyor to vehicle | Digital I/O, Ethemet |
| HMI | platform onboard HMI (line based) |
| Wifi | 2.4 Ghz/ 5Ghz; 802.11 a/b/g |
| Battery | 24 VDC Life P04, 72 Ah, 2000 recharges |
| Maximum speed | up to 1,2 m/s |
| Navigation / orientation | via Lidar |
| Class | IP20 |
| Environment: Humidity | Moisture 5 to 95%, non-condensing |
| Environment: Temperature | 5-40°C |
| Max. gap traversal | max. 15mm |
| Climb grade | up to 1:33 (payload dependent) |
| Floor conditions | Clean, swept hall and dry floor |
| Minimum floor flatness | surface-ready and smooth floor according to FEM 9.831 / 9832, maximum +/- 3mm over the entire mounting surface |
| Environment | not intended for use in hazardous environments (explosive Gas, water, dust, oil mist) |
| Drive unit | 2 wheel driven with 4 helper-caster-wheels |
| Turn radius | 0 mm |
| Occupation sensor detect if unloading place is free | Yes |
| Full ESD conformity | Optional |
| Conveyor speed adjustable | Yes |
| Adjustable side guide rails | Yes |
| Sensor for load detection | Yes |
| Optical and accoustical signal unit | Yes |
| Emergency and acknowledge buttons | Yes |
| Detection of vertical obstacles above Lidar height | Yes, via side lasers |
| Opposite station available sensor | Yes |
| Material moved sensor | Yes |

