

CAPS technology utilizes any compatible laser to detect a customizable target in the environment and enables the AMR to drive to the required location with unrivaled precision.

OMRON's mobile robots can dock to a machine or cart with high accuracy. It can also approach from any angle so that you do not need to worry about floor layout or shape of the payload.

CAPS enables smoother and quicker handover of material, contributing to shorter cycle time and increased efficiency.



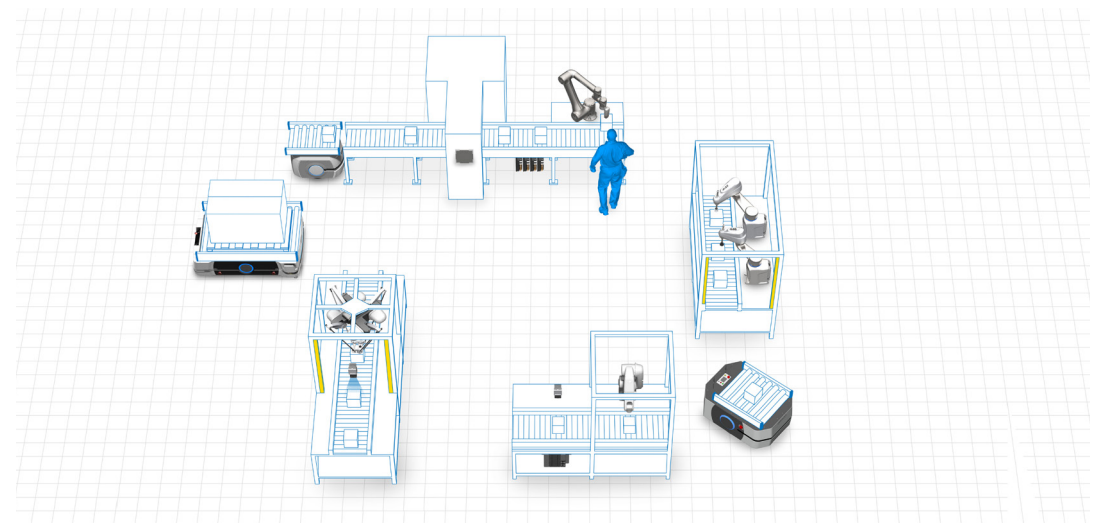
CAPS is available on all OMRON mobile robots.

Improved Accuracy

- CAPS aligns OMRON's AMRs with machinery and carts at up to $\pm 8\text{mm}$ and $\pm 0.5^\circ$ repeatability for individual robots and $\pm 12\text{mm}$ fleet-wide.
- Flexible navigation allows the AMRs to approach a destination from any angle so that docking can be achieved from any direction.
- Enables a smoother and quicker loading & unloading of material, contributing to a shorter cycle time.

Easy Setup & Installation

- CAPS can use customizable targets for machine alignment, cart capture, or pickup & drop-off stand entry.
- CAPS provides application flexibility by enabling customizable laser and target selection.
- Powerful tuning tools enable calibration to dial in performance for each AMR.
- Easily modify or expand existing CAPS applications by adding additional targets for new stations and carts.



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Cat. No. 1872-E-03

1022(0621)