

CAPS

Cell Alignment Positioning System

CAPS technology utilizes the main safety scanning laser to detect a target in the environment and enables the robot to drive to the desired location with unrivaled precision. OMRON's AMR's can dock to a machine with high accuracy. It can also approach from different angles so that customers do not need to worry about floor layout, nor the shape of the load. This allows for a smoother and quicker handover of material, contributing to a shorter cycle time and increased efficiency.

BENEFITS INCLUDE:

- Improved accuracy enables a smoother and quicker loading & unloading of material, leading to shorter cycle times
- Aligns mobile robots with machinery at $\pm 8\text{mm}$ position accuracy and $\pm 1^\circ$ rotation accuracy
- Allows robot to dock from different angles
- No physical magnetic markers are needed
- No additional sensors required, resulting in less equipment cost

