

APPS-PCA-ACD-301

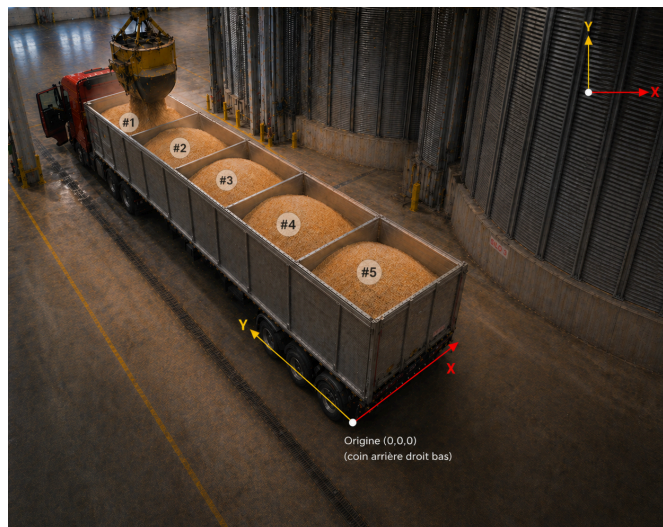
TRUCK POSITION VERIFICATION IN LOADING ZONES



Apps & hardware compatible with MC12 and MC24 controllers, assisting truck positioning during automated loading and unloading operations to ensure precise alignment and increased operational efficiency.

Benefits & gains

- Verification of truck positioning
- Position control for material loading
- Fewer human operations and less supervision
- Help preventing human errors during critical operations
- Reduced waiting times and maneuvers without added value
- Reduced damage to infrastructure and vehicles
- Robust, reliable technology for mining environments



Technical specifications

- Web HMI interface with secure remote access
- Multiple industrial communication protocols (including EtherNet/IP)
- Programmable inputs/outputs (I/O)
- Multi-reader module
- IP67 industrial panel, assembled and CSA certified

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FEATURES	
Variant	Outdoor and indoor application
Technology	2D LiDAR
Laser class	1
Light source	Infrared (905 nm)
PERFORMANCE	
Detection distance	Up to 60 m range (90% reflectivity) (contact the manufacturer for more information on other wood species)
Accuracy	±20 mm
Acquisition frequency	Scanning every 0.2 seconds
Angular resolution	0.34°
INTERFACE	
Ethernet	100 Mbit/s
Visualization	Web HMI with password-protected access via IP
Input/output	3 configurable
Communication protocols	EtherNet/IP, Profinet, Modbus TCP, OPC UA, TCP/IP, MQTT, HTTP, UDP
ENVIRONMENT	
Operating temperature	-33 to 50 °C
Storage temperature	-40 to 70 °C

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