PowerColumn 3 VLM

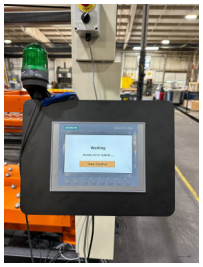
Vertical Lift Module

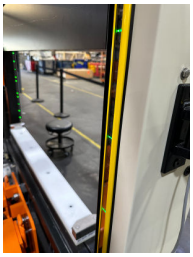
AT-A-GLANCE SPECS

Category	Specification	Notes
Height Range	107 in - 420 in (271 cm - 1,066 cm). 50 Ft. Max.	Scalable to facility ceiling height
Standard Tray Widths & Lengths	• 192 x 48 in • 192 x 72 in • 110 x 27 in • 192 x 39 in • 192 x 60 in	Standard Width x Length, Custom lengths and widths available
Tray Capacity	1,000 lbs/tray - 2,000 lbs/tray (453 kg/tray - 907 kg/tray)	Even load distribution required
Total Machine Capacity	50,000 kg (110,231 lbs)	Based on configuration

EXTENDED DIMENSIONS

Category	Specification	Notes
Tray Size (max)	60 x 240 in. (152 x 609 cm)	
Height of goods measurement	In 25 mm (0.98 in,) intervals	Option up to 1,000 mm (39 in.)
Weight check	-	Available
Tray Construction	Galvanized steel	Polyarmour coating available





Engineered for Reliability

***Unlike belt-driven or plastic rack-and-pinion drives**, the PC3 uses a **metal rack and pinion drive** for superior reliability, precision, and long-term performance.*

PERFORMANCE

Category	Specification	Notes
Retrieval Speed	150 feet/minute	Configurable
Accuracy	Up to 99%	With guided picking features
Storage Optimization	Included	-
Drive motors	Lift - Dual 7.5 HP, Extractor - 2 HP	-

CONTROLS & INTEGRATION

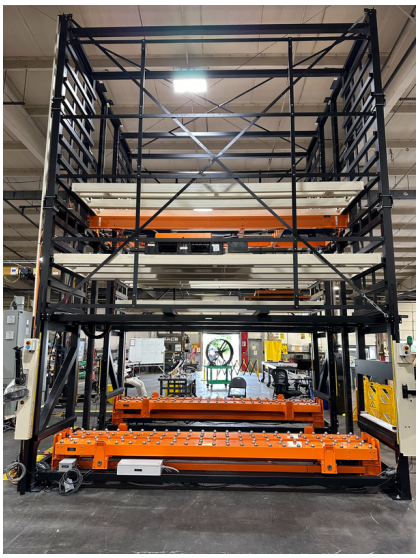
Category	Specification	Notes
Access Options	Single or dual access openings with ergonomic design	Service door access included
Control System	Siemens S7 and integrated software	Compatible with WMS/ERP
Safety curtain for personal protection	Standard	
Language Selection	Standard English	Multiple languages available

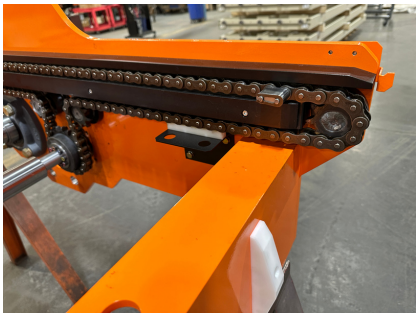
POWER & ENVIRONMENT

Category	Specification	Notes
Power Requirements	480VAC, 3Ph, 60Hz, 60A	Standard
Current	AC Power → 50 Hz (A)	25/32
Environment Suitability	• Freezer to -40°F/°C capable • Refrigerated @ 37°F capable • Heated capable to 180°F	Environmental enclosures and HVAC systems available

Compliance & Standards

The PowerColumn 3 meets OSHA safety requirements, carries CE/UL certifications, and is suitable for cleanroom environments.





Optional ancillary devices

- ***LED bar***
- ***Laser pointer***
- ***Pick display***
- ***Label printers***
- ***Scanners***
- ***Confirmation buttons***
- ***Foot pedal***
- ***Pick and delivery shuttle***
- ***End loading capacity***