

Usede Robopac palletizer 20.000 BPH - year 2018

Machine type:	Palletizer
Ref:	PAL50
Model:	ARES 2CP/P
Year:	2018
Speed:	20000 Bottles/hour
Condition:	Ready For Operation
Containers:	Glass, PET
Products:	Beer, Spirits, Water (Sparkling), Water (Still), Wine (Sparkling), Wine (Still), CSD

Technical details

Product type:	Bundles	Palletizer Type:	Conventional Automatic
Type of operation:	Fixed	Type of Handling:	Low level
Layering/Padding system:	Yes	Supported pallet dimensions:	["Cp1 1000x1200 mm"]
Unit of measure for speed:	["bottles per hour"]	Safety features:	Yes
Manuals:	Yes	Power:	39.5 kW
Voltage:	400 V	Frequency:	50 Hz
Ampere:	71.5 A		

Description

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Technical Specifications & Performance Data

The Robopac ARES 2CP/P is a high-efficiency automatic palletizer designed for fast and reliable end-of-line operations in beverage production and industrial packaging. Ideal for a used bottling line or second hand integration projects, it stacks shrink-wrapped packages, trays, and crates with consistent layer formation. Engineered for PET, glass, and aluminum can handling, this palletizer delivers dependable performance for water, beer, wine, spirits, milk, and soft drinks applications.

- **Manufacturer:** Robopac

- **Model:** ARES 2CP/P
- **Year of manufacture:** 2018
- **Maximum speed:** 20,000 bottles per hour
- **Packaging types:** Shrink-wrapped bundles, trays, and packages/crates
- **Container materials:** PET, Glass, Aluminum cans
- **Pallet dimensions supported:** 800 x 1000 mm, 1000 x 1200 mm
- **Electrical supply:** 400 V, 3-phase + neutral, 50 Hz
- **Total installed power:** 39.5 kW
- **Nominal current:** 71.5 A
- **Compressed air:** 6 bar
- **Control platform:** Siemens PLC and Siemens HMI

Advanced Automation & Control Systems

This palletizer features a robust automation architecture with a Siemens PLC and a user-friendly Siemens HMI for precise control, diagnostics, and recipe management. Automated layer formation is supported by an integrated layer stacker, optimizing cycle time and ensuring uniformity across pallet loads. Quick adjustments and recipe-driven changeovers streamline format switches between PET, glass, and can packages, maintaining high uptime in beverage production environments.

- Centralized PLC control with intuitive HMI interface
- Automatic layer stacker for consistent layer formation
- Sequenced motion control for smooth handling of bundles and trays
- Stable electrical configuration: 400 V, 50 Hz, 3Ph + N
- Optimized power management with 39.5 kW installed

Production Line Integration Capabilities

The ARES 2CP/P integrates seamlessly into complete packaging lines, upstream of pallet wrapping or stretch hooding, and downstream of shrink wrappers, case packers, and conveyors. It can operate in-line or as a standalone palletizing cell, making it an excellent choice for upgrading a used bottling line or enhancing second hand packaging machinery installations. Format flexibility supports various bundle sizes, trays, and crate configurations for beverage and dairy operations.

- Compatible with conveyors, shrink wrappers, case packers, and pallet wrappers
- Handles PET, glass, and aluminum can packs
- Supports bundles, trays, and crates with recipe-based formats
- Pallet formats: 800 x 1000 mm and 1000 x 1200 mm

Machine Condition & Maintenance History

The machine is available in ready-for-operation condition with compatible spare parts availability. Built in 2018, it presents a modern control platform and powertrain configuration suitable for continuous industrial packaging duty cycles.

- Current status: Ready for operation
- Spare parts: Compatible spares available
- Modern build year: 2018

Operational Performance & Versatility

Designed to handle a wide range of beverage and food-related packs, the ARES 2CP/P reliably palletizes products such as carbonated water, still water, soft drinks, beer, wine, spirits, and milk, as well as canned goods. The system's automatic layer stacking and stable product handling ensure neat, secure pallets suitable for high-throughput distribution.

- Ideal for beverage production: water, beer, wine, spirits, soft drinks
- Also suitable for milk and canned goods
- Consistent layer formation for secure pallets
- High throughput up to 20,000 bph depending on pack configuration

Installation Requirements & Site Preparation

Installation requires a stable electrical feed, compressed air supply, and appropriate floor space for pallet inbound/outbound logistics. The 3-phase + neutral electrical configuration and 6 bar air supply are standard for industrial packaging environments. Integration with existing conveyors and pallet handling equipment is straightforward through standard interfaces.

- Electrical: 400 V, 50 Hz, 3-phase + neutral
- Power: 39.5 kW installed
- Compressed air: 6 bar
- Pallet logistics: space for 800 x 1000 mm and 1000 x 1200 mm pallets

Safety Standards & Compliance Certification

The palletizer is built in compliance with recognized safety standards for industrial packaging equipment. It includes protective guarding, interlocks, and emergency stop circuits, with clear on-machine safety warnings. The CE compliance mark underscores adherence to relevant directives for machinery safety and electrical equipment.

- CE-compliant design and construction
- Operator guarding with safety interlocks
- Emergency stop system and safety signage
- Secure handling of shrink-wrapped bundles and trays