# AC SERIES
## Automatic compact palletizer

**PREMIER TECH**
CHRONOS

# Automatic Compact Palletizer

The **AC Series Automatic Compact Palletizer** combines the advantages of a robotic palletizer with traditional palletizing technology. It features an innovative automatic gripper that guarantees exact positioning of each unit onto the pallet. A four-axis system is used to precisely pick the unit from a pickup conveyor and place it on the pallet. In its basic version, the empty pallet is manually placed into the machine and the full load is removed with a forklift truck. As an option, automatic pallet handling can be added to the infeed or outfeed of the system.

## Applications

The AC Series Automatic Compact Palletizer can palletize **bags, bales and boxes.**



## Features and benefits

- Cost-effective palletizing solution for low speed applications
- Main structure constructed with rugged welded and bolted structural steelwork and mechanical tubing
- Four-axis positioning mechanism controlled by electric motors, variable frequency drives and encoders
- Protective fence made of open-mesh wire
- Safety light curtain controls located at the full pallet outfeed area
- Maximum design flexibility enabling the equipment to accommodate most operational requirements and layouts
- System can support up to 15 different stacking patterns

- Standard components for ease of maintenance
- Designed to be shipped by container in one piece (including the electrical panel) to minimize installation and start-up time
- Allen-Bradley control system (Compact Logix series) installed in a NEMA 12 cabinet; software designed with a self-diagnostic feature and user-friendly interface (Allen-Bradley PanelView Plus 600 with touch screen)
- Designed for dusty environments (with TEFC electrical motors)
- Electrical enclosure assemblies are UL Listed (CE certification available)

## Options

• Automatic pallet dispensing and conveying system
• Bale tip over device (pneumatic)
• Custom gripper for bales, bags and boxes

## Production rate

Up to **9 units/min**\*

\* Depending on unit type, weight and dimensions.

## Technical data

| | |
|---|---|
| **Typical equipment dimensions:** | Length: 199" (5051 mm) |
| | Width: 126" (3207 mm) |
| | Height: 187" (4750 mm) |
| **Unit weight:** | Maximum: 154 lb (70 kg) |
| **Layer dimension:** | Minimum: 32" X 40" (800 X 1000 mm) |
| | Maximum: 46" X 60" (1150 X 1525 mm) |
| **Load height:** | 104" (2640 mm) |
| **Pallet type:** | Standard 40" X 48" pallet or Euro 800 X 1200 mm; suitable with other dimensions |
| **Load capacity:** | 4500 lb total (2000 kg) |
| **Approx. shipping weight:** | 8000 lb (3600 kg) |
| **Air consumption:** | 3 SCFM (5 NL/min) |
| **Electrical requirements:** | 460 V / 3 Ph / 60 Hz, 7.5 kW (400 V / 3 Ph / 50 Hz) |
| **Operating pressure:** | 90 psi (6 bar) |
| **Ambient temperature:** | 40°F to 95°F (5°C to 35°C) |

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