

CHRONOS • Apply and Stack

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**Robotic valve bag  
applicator and  
palletizer**



## Robotic valve bag applicator and palletizer



**UP TO 5 BPM\***

\*Depending on product type, bag dimensions, stacking pattern, and machine configuration  
Without sealing: Up to 5 bags per minute or 300 bags per hour  
With sealing: Up to 2.5 bags per minute or 150 bags per hour

### All-in-one robotic equipment

It places empty valve bags on any packer's filling tube and stacks filled bags directly on a pallet. It is adaptable to any air, impeller, and auger packer.

### Economical

The robot performs tasks that would otherwise require multiple machines, resulting in lowered acquisition costs. It requires minimal programming, supervision, and maintenance, increasing productivity and labor savings.

### Compact and modular

The packaging system typically fits in a 5 m x 5 m (16.4 x 16.4 ft) space. It maximizes the square footage of your facility and can be configured according to your needs.



**The versatile valve bag handling equipment is suited explicitly for factories with lower production rates looking to automate their manual packaging operations.**

### Bulk materials



Powders



Granules

### Bag types



Valve

### Bag materials

Compatible with paper, woven polypropylene, and polyethylene valve bags

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## Specifications

### Typical footprint

16'4" L x 16'4" W x 8'2" H

### Bag specifications

**Width:** 380 mm to 610 mm (15"-24")

**Length:** 380 mm to 860 mm (15"-34")

**Bag weight:** 5 to 50 kg (11 to 110 lbs)

**Valve size:** 90 mm to 190 mm (3 ½" - 7 ½")

**Filled bag thickness:** 90 mm to 190 mm  
(3 ½" - 7 ½")

### Full pallet load including pallet

**Height:** Up to 71" (1800 mm)

with 40" x 48" (1016 x 1219 mm) layers

### Electrical requirements

230/380/460/575 V 3 ph, 50/60 hz  
(different options available)

### Control

24 VDC

### Enclosures

NEMA 4, NEMA 4X, SS

### Area classification

Non-hazardous

### Air requirements

EOAT: 1 SCFM @ 80 PSI per bag

Duck bill: 1 SCFM @ 80 PSI per bag

Packer: 1.5 to 5.5 SCFM @ 80 PSI per bag

### Estimated shipping weight

2815 kg excluding the packer

## Features

Empty bag table with conveyor, pusher, bag pickup arm, and duckbill

Durable and low maintenance six axes R2000iB/100H FANUC industrial robot

Gripper adjustable to various bag weights and sizes:

- Lightweight material construction for easy manual adjustment
- Easy repairs or part replacement without complete disassembly

10" color touchscreen HMI:

- Easy management of each module in one place
- Straightforward changeover of palletizing patterns or SKUs with stored recipes and patterns

Complies with UL 508, ANSI/RIA 15.06, and ANSI B155.1-2006 safety standards

## Options

Robotic slip, top or tier sheet handling

Rejection of non-compliant bags by the robot

Automatic bag size changeovers

Stainless steel and food grade standards construction

Safety upgrade for explosive products

Additional interlocked gate for safety fences

Integrated metal detector installed on the packer

Robotic programming to bring the bags to a sealer, printer or Print and Apply labeling system



# Lifetime

## Client Solutions

**Premier Tech Client Solutions** take a personalized approach to **lifecycle management**, creating enhanced solutions customized to your specific needs that develop your own capabilities and operational habits, and help you achieve and maintain productivity.

The Client Solutions' passionate team acts as a **partner** by maintaining constant collaboration and putting your interests at the heart of daily decisions throughout your equipment's lifecycle.

Our programs are designed to help you reach your highest **Overall Equipment Effectiveness (OEE)** and maximize your **Return on Investment (ROI)** by providing you with the most valuable lifecycle services in the industry focusing on critical areas such as **24/7 technical support, spare parts, field service, training, system assessments and optimization.**

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