

Pharmaceuticals • Nutraceuticals

Cosmetics • Consumer Goods

Diagnostics • Medical Devices



## Features

- FANUC M-20iA Robot
- EOAT Designed for a Wide Range of Products
- One-Meter Case Magazine
- Servo Case Transport Drive
- PLe-rated Polycarbonate Safety Guarding
- Allen Bradley PLC and HMI

## Options

- Integrated Serialization Systems, Including:
  - Case Coders/Labelers
  - Cameras & Code Readers
  - PCs and Printers
- Various Product Infeed & Collation Features
- Stainless Steel Package



ESS Technologies, Inc.  
3160 State Street  
Blacksburg, VA 24060  
(540) 961-5716 • (540) 961-5721  
info@esstechnologies.com  
www.esstechnologies.com

# Model V30 Vertical Robotic Case Packer



## Now with Track & Trace Serialization

The ESS Technologies, Inc. Model V30 Vertical Robotic Case Packer incorporates the latest servo technology into a unique case packer design. The system is capable of running jars, glass and plastic bottles with or without topserts, bags, and cartons. An integrated FANUC M-20iA robot, capable of loads up to 20kg (44lb.) uses ESS-designed end-of-arm tool (EOAT) to load cases. The V30 handles a wide range of RSC case dimensions.

The multi-axis feature of the FANUC robot allows it to handle applications that would otherwise be impossible with standard pick-and-place units. The EOAT is designed with quick-release connections to allow the robot head to be changed in seconds. The V30 receives product at the infeed rate of up to 500 parts per minute, forms an RSC case from the high capacity case magazine, inserts the product, and seals the case with either tape or glue. The V30 integrates easily with off-the-shelf serialization systems from OEM manufacturers.



Ergonomically Designed Large Capacity RSC Case Magazine

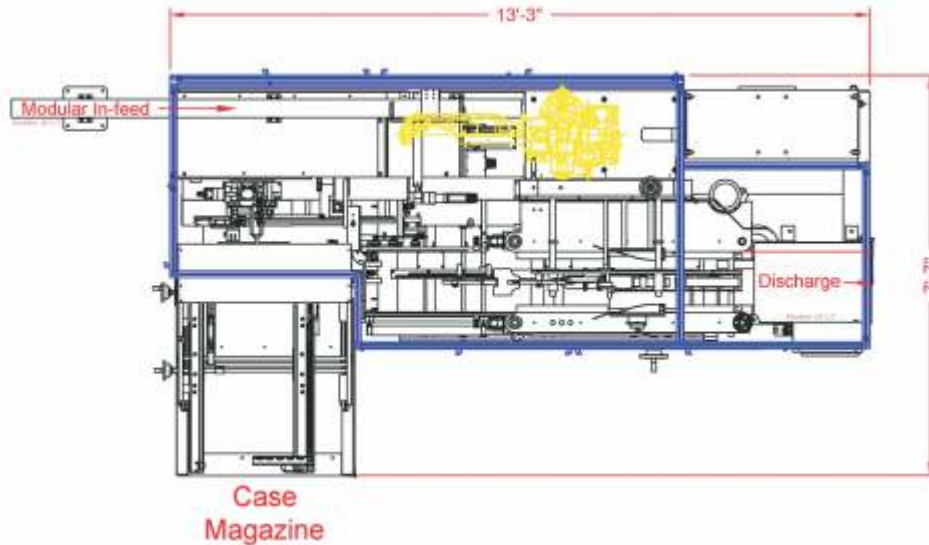
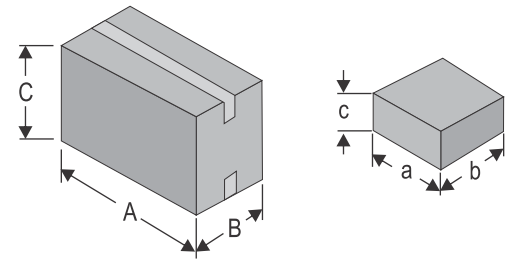


Case Loading Bottles

# Technical Specifications

Model	V30	V30HS	V30M
Configuration	Servo Case Transfer System	High Speed Servo Case Transfer System	For Pre-formed Cases or Trays
Packing Speed	10-12 Cases per Minute	20-22 Cases per Minute	12-14 Cases per Minute
Power Consumption (hot melt glue)	10kW	10kW	10kW
Power Consumption (tape)	6.5kW	68.5kW	6.5kW
Compressed Air Consumption	7-9 SCFM	7-9 SCFM	2-7 SCFM
Supply Pressure ATM	6 Bar (87psi)	6 Bar (87psi)	6 Bar (87psi)
Size Changeover	10-15 Minutes (All Dimensions Change)	15-20 Minutes (All Dimensions Change)	15-20 Minutes (All Dimensions Change)
Standard Voltages	208V, 240V, 480V, 3-Phase, 60Hz	208V, 240V, 480V, 3-Phase, 60Hz	208V, 240V, 480V, 3-Phase, 60Hz

	V30, V30M		V30HS	
	Min.	Max.	Min.	Max.
A	180	550	A 180	450
B	105	350	B 115	350
C	100	350	C 90	350
A+B		840	A+B	800
a	/	440	a /	440
b	/	340	b /	340
c	/	340	c /	340



Infeed Conveyor with Track & Trace Serialization Cameras for Aggregation



Case Tape Closing System (Standard)



Integrated Overhead Vision System Verifies Case Load



Integrated Serialization Case Labeler

ESS Technologies, Inc.  
3160 State Street  
Blacksburg, VA 24060  
(540) 961-5716 • (540) 961-5721  
info@esstechnologies.com  
www.esstechnologies.com



**ESS**  
*Technologies, Inc.*   
Packaging Machine Design & Integration

