

Pharmaceuticals • Nutraceuticals  
Cosmetics • Consumer Goods  
Diagnostics • Medical Devices



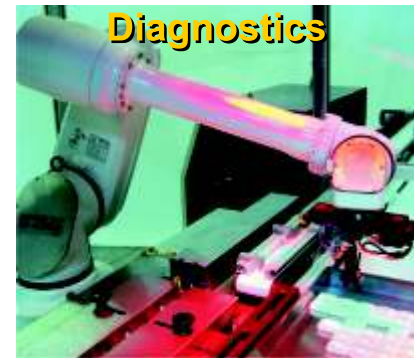
## Applications

- Assembly
- Pick & Place
- Inspection
- Blister Loading
- Machine Loading
- Machine Unloading
- Collation
- Machine Infeeds
- Flexible Feeding Systems
- Case Loading



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# TaskMate™ Robotic Systems



**Machine Loading/Unloading • Pick & Place • Carton/Case Loading  
Product Collation • Product Orientation • Inspection & Sampling**

TaskMate™ Robotic Systems offers a solution for automating a wide range of processes for producing and packaging consumer packaged goods, pharmaceuticals, cosmetics, diagnostics, and medical devices. The basic TaskMate™ system includes a FANUC robot (model varies by application), base, robot tooling, Category 4 interlocked safety guarding, controls and programming. The custom-designed end-of-arm tooling (EOAT) handles virtually any product.

ESS Technologies, Inc. is an authorized system integrator for FANUC Robotics and a strategic partner for the secondary packaging of pharmaceuticals..

## FANUC Robot Models

- Model M-1iA . . . . . 0.5kg Payload
- Model M-430iA . . . . . 2kg Payload
- Model LR200iC . . . . . 5kg Payload
- Model M-3iA . . . . . 6kg Payload
- Model M-10iA . . . . . 10kg Payload
- Model M-20iC . . . . . 20kg Payload



## Typical Applications



Loading an SC 60 Cartoner

- Machine Load/Unload
  - Cartoners
  - Blister Packaging Machines
  - Thermoformers
  - Medical Device Assembly Systems



Pick & Place Plugs in Bottles

- Pick & Place Applications
  - Precision Placement
  - Robotic Dexterity Handles a Wide Range of Products
  - Vacuum or Gripper EOAT



Loading Cartons

- Carton/Case Loading
  - Easily Integrates with Carton Erecting / Closing Equipment
  - Increase Productivity



Orienting and Collating Blisters

- Product Collation/Dispensing
- Product Orientation
  - Reduce Repetitive Tasks
  - Increase Productivity



Sampling Laboratory Bottle Weights

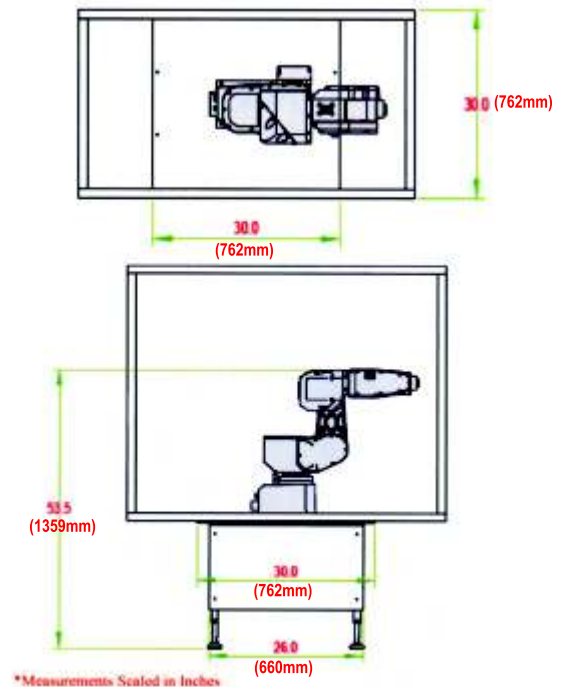
- Product Inspection
- Product Sampling
  - High Speed Accuracy
  - Reduce Repetitive Tasks

## Technical Specifications

Item	Specification
Standard Voltage	120VAC, Single Phase, 60Hz
EOAT	Vacuum, Gripper, Hybrid
Guarding	Category 4, interlocked Lexan
Size Changeover	10-15 Minutes Typical
Robotic Cell Footprint	30" x 30" (762mm x 762mm)

## Options

- Vision Inspection System
- Line Tracking
- Plug and Play Features
- Quick Change Tooling
- Clean Class Robot Option
- 120VAC Power Supply
- Casters
- Light Curtains
- Dual Safety Check (DCS) Software



Typical Robotic Cell Layout  
(Actual Layout Varies By Robot Model)

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