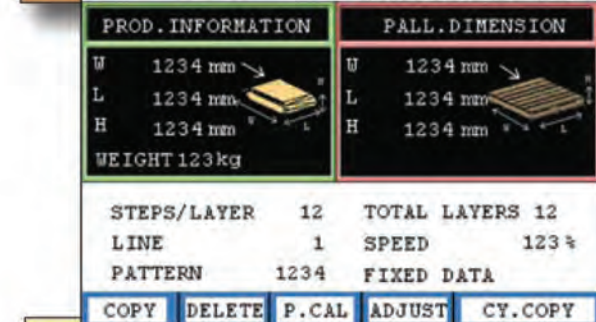
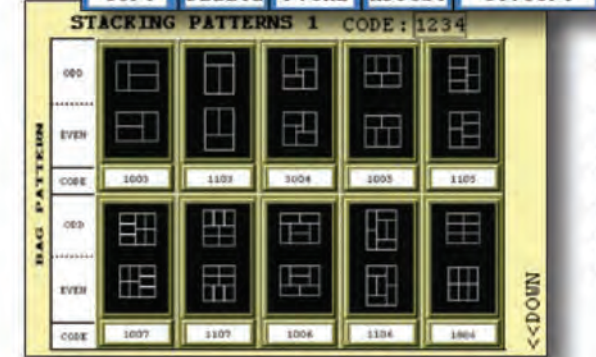


User friendly touch screen (HMI) with software that is specific for Palletizing.



On-Screen simplified pattern adjustment



Use one of the pre-loaded product patterns or simply make your own. All without the use of a Laptop/PC.



With over **12,000** Robotic Palletizers installed worldwide, **FUJI ROBOTICS** is unmatched in "Palletizing" technology. Experience, sharp focus, and dedication to the palletizing industry have enabled **FUJI ROBOTICS** to provide the best possible solution to your palletizing needs.

Exclusive Features

- EC Series (Energy Conservation)
- Nine (9) different models to choose from:
 - HS - High Speed
 - HD - Heavy Duty
 - W - Super Weight
- Fuji adds a level of flexibility that no other Robotic Palletizer can.

Cutting Edge Control Package

- Every Fuji Robot is equipped with touch screen control complete with:
- High level programming software offering complete onboard control and pattern editing without the need of a Laptop or PC
 - Pre-Programmed pallet patterns embedded in the HMI to meet your exact specifications
 - Inventory monitoring that corresponds with specific patterns
 - Diagnostics designed to identify errors instantaneously
 - Onboard automatic lubrication schedule system
 - Real time I/O monitoring
 - Error history log

PLC/Ethernet Communication

- Auto pattern change
- Product count sent externally
- Alarm codes to external PLC
- Product count from external PLC to Robot
- Height adjustment for product placement from external PLC to Robot

Teaching Pendant

Every Fuji Robot comes with a "user friendly" teaching pendant.



Since 1943



ESTABLISHED IN 1943, Chantland-MHS is a premier manufacturer specializing in the design and fabrication of conveyors; bag, box and drum filling equipment and automatic bag palletizers. We provide personal service, innovative designs, quality machinery and guaranteed solutions to industry worldwide. Our headquarters in Humboldt, Iowa, encompasses over 95,000 square feet of manufacturing and office space. Our facility houses a material testing lab, training rooms for our employees and meeting rooms for our customers and guests. We also maintain a regional sales office in Oklahoma to manage our national packaging equipment representative network. In addition to our patented machine designs, we utilize the newest technology and decades of experience to ensure our customers receive the finest equipment available.

CALL ON US FOR YOUR MATERIAL HANDLING NEEDS, AND PUT OUR EXPERIENCE TO WORK FOR YOU!



BAG FILLERS CONVEYORS PALLETIZERS SYSTEMS

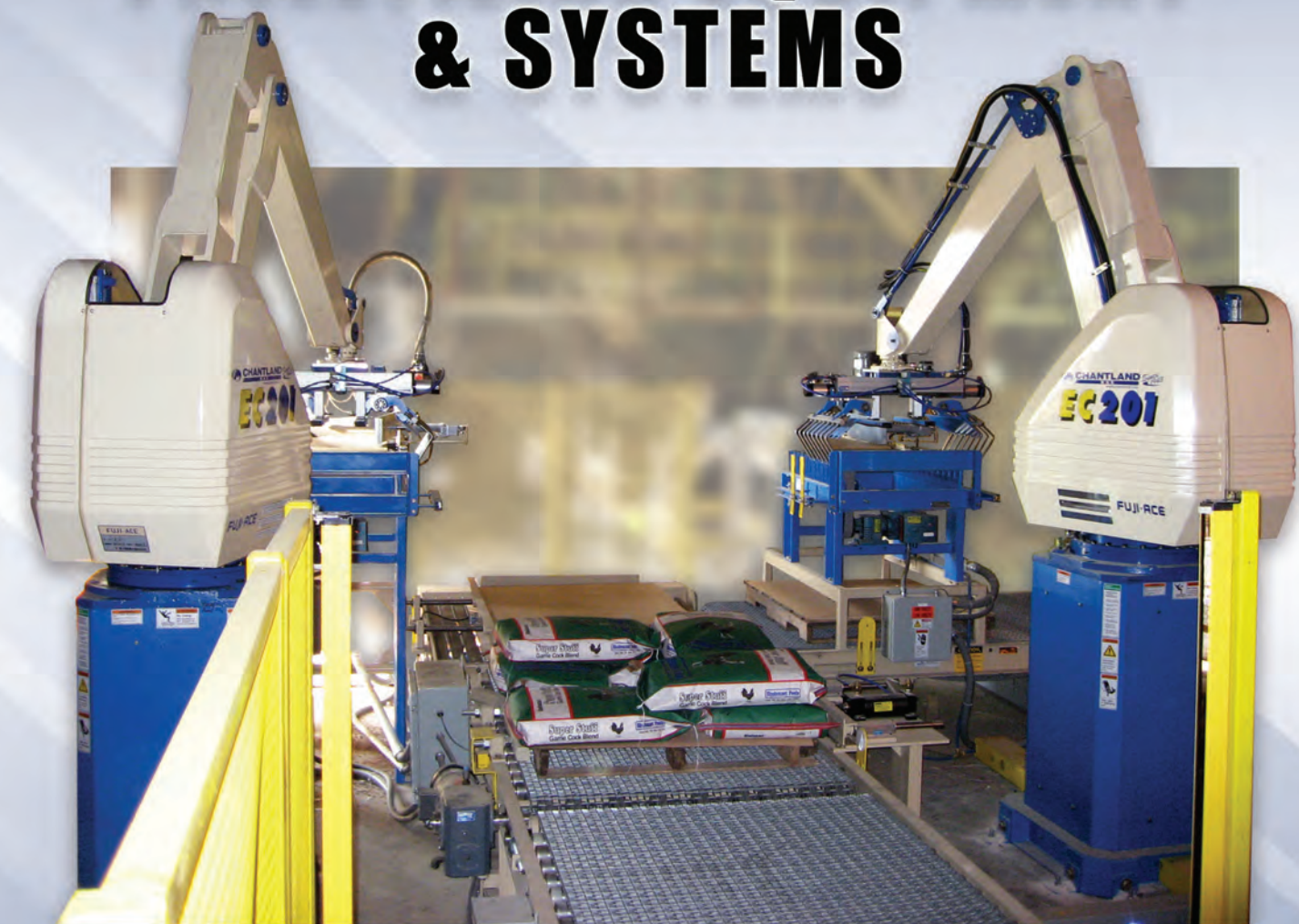
PO Box 279, Humboldt, Iowa, U.S.A. 50548 / Ph. 515.332.4045 Fax 515.332.1502
www.chantland.com

Designs and specifications subject to change without notice.

Designed and Printed in the United States



ROBOTIC BAG PALLETIZING EQUIPMENT & SYSTEMS



Design, manufacture and complete system integration of conveying, packaging and palletizing equipment.

SOLUTIONS
WWW.CHANTLAND.COM

BAG FILLERS + CONVEYERS + PALLETIZERS + SYSTEMS

QUICK AND EASY TEACHING



LESS PROGRAMMING MORE PALLETIZING

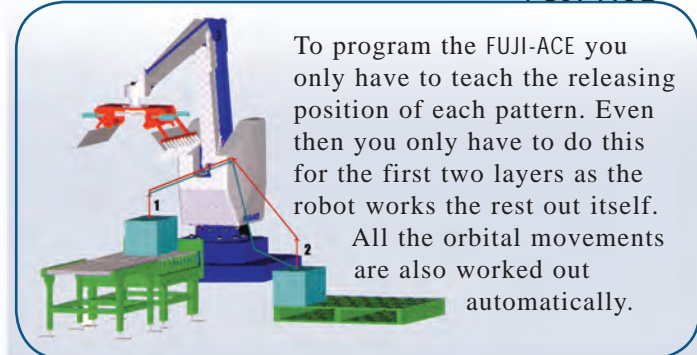
Often, we hear Palletizing Robots are difficult to program or tend to make mistakes. That may be correct with other robots, but not with the FUJI-ACE.

Unlike other robots designed for painting, assembling or welding, the FUJI-ACE is designed specifically for Palletizing so doesn't require complex programming of orbital movements between the pick-up and releasing positions.

Upon installation, the product pick-up point and release points are set utilizing the "Teaching Pendant".

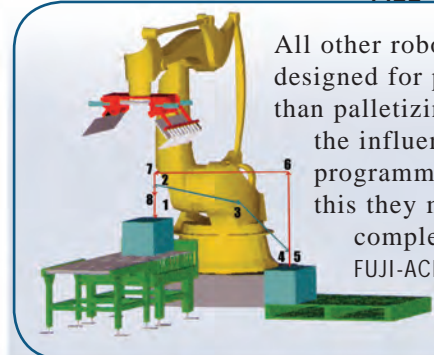
When the points are established, the robot takes over and the orbital paths are automatically calculated by the robot motherboard to create the most efficient movement from pick-up point to placement points.

FUJI-ACE



To program the FUJI-ACE you only have to teach the releasing position of each pattern. Even then you only have to do this for the first two layers as the robot works the rest out itself. All the orbital movements are also worked out automatically.

ALL OTHER ROBOTS



All other robots originally designed for purposes other than palletizing may still have the influence of its original programming. Because of this they may require more complex teaching that the FUJI-ACE does not require.

OPTIONS

- ✦ Empty Pallet Dispenser & Conveyor with positive pallet placement
- ✦ Slip Sheet Dispenser
- ✦ Cold and Harsh Environment Upgrades
- ✦ Check Weigh and Automatic Product Reject Function
- ✦ Simultaneous Multi-Size Product Handling
- ✦ Bag Turner, Kicker and Flattener Conveyors
- ✦ Filled Pallet Conveyors

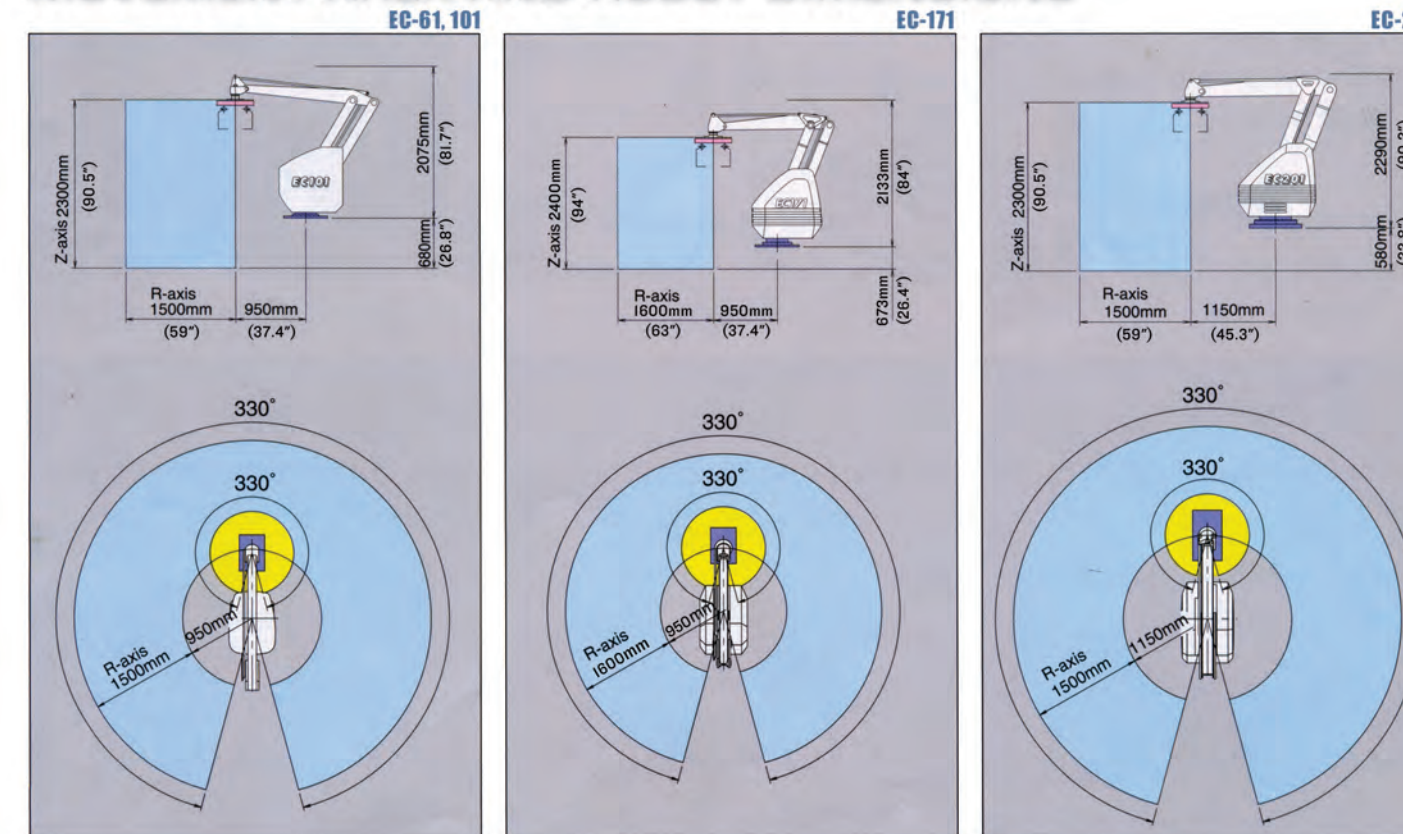


FUJI ACE TECHNICAL SPECIFICATIONS

Model	EC-61	EC-101	EC-171	EC-201	
Mechanism	Articulated Robot				
Action Mode	Cylindrical				
Weight Capacity (including hand)	90kg (198 lbs)	120kg (264 lbs)	110kg (242 lbs)	200kg (440 lbs)	
Palletizing Capacity (cycles/ hour)	600c/hr	1000c/hr	1500c/hr	1600c/hr	
Degree of Freedom	Standard 4 Axes (up to 5 Axes)				
Operational Space	- Z Axis (vert.)	2300mm (90.5")	2300mm (90.5")	2400mm (94")	2300mm (90.5")
	- R Axis (long.)	1500mm (59")	1500mm (59")	1600mm (63")	1500mm (59")
	- θ Axis (turn)	330°			
	- α Axis (wrist)	330°			
Hand Gripper	Clamp, Fork, Vacuum, Custom Designed				
Memory	Standard 30 Patterns, Max 400 Patterns (Option)				
Teaching Method	Teaching Playback/ Teaching Support/ Teachingless(OPTION)				
Power (200/220v 3PH 50/60Hz)	1.9KVA	2KVA	3KVA	6.5KVA	
Main Body Weight (without hand)	700kg (1544 lbs)	800kg (1764 lbs)	750kg (1650 lbs)	1150kg (2536 lbs)	

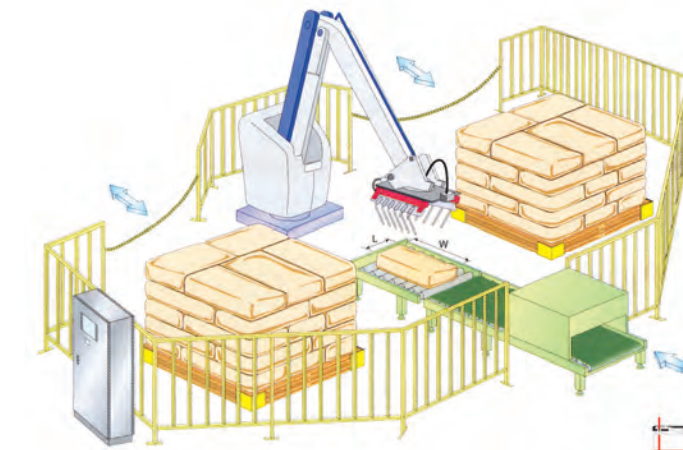
NOTE: Specifications are subject to change without notice. Capacities as stated above are the maximum that may be achieved by the robot under ideal conditions. Capacity rates can be significantly effected by layouts and product types, and can only be confirmed after a detailed analysis of an application.

MOVEMENT AREA AND ROBOT DIMENSIONS



TYPICAL LAYOUTS

There are many layout options available to match your exact specifications. Because we offer a high speed robot, we have the luxury to provide additional options while maintaining high outputs. The most common layouts (shown below) are a small sample of the hundreds of possibilities.



- ✦ The FUJI-ACE must be installed within a guarded area and to local safety specifications.
- ✦ The electrical system must be securely grounded.
- ✦ WYE type power required. (NO DELTA)
- ✦ Fuji Robotics will not accept any responsibility for modifications made to the robot system without their written consent.
- ✦ Fuji Robotics will not accept any responsibility for the use of the robot system in applications other than the purpose for which it was designed.
- ✦ Chantland-MHS will train and instruct you on the correct installation methods.

