

EC-171

ROBOTIC PALLETIZER



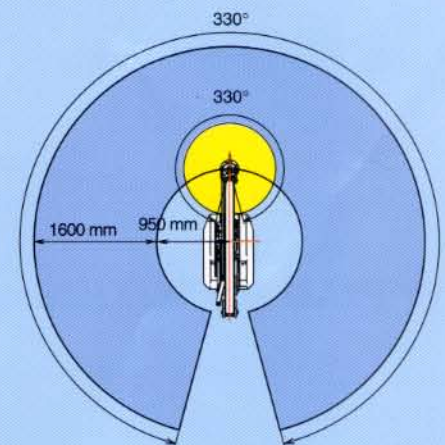
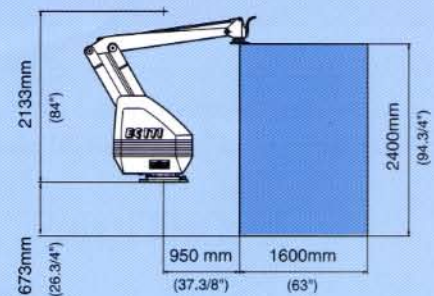
The EC-171 high speed robot is Fuji's most recent model design and development. The EC-171 will operate at speeds up to 25 cycles per minute and implement a collision detection feature as standard. The EC-171 will incorporate the largest working envelope of all our models while maintaining the smallest rotation radius and energy efficiency. This unit will allow you to work in tight space constrictions while accomplishing a very high rate of throughput. Faster rates, tighter work envelope, less energy usage, and more economical. This is truly a fantastic addition to our quality product line.

New Model EC-171

Features

- Most recent model design
- Up to 25 cycles per minute
- Collision detection capability
- Largest working envelop of all the models
- Smallest rotation radius of all the models – excellent for limited floor space
- Extremely energy efficient (3KVA)

MOVEMENT AREA AND ROBOT DIMENSION



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 1/2")	2300mm (90 1/2")	2400mm (94 3/4")	2300mm (90 1/2")
	- R Axis (long.)	1500mm (59")	1500mm (59")	1600mm (63 1/8")	1500mm (59")
	- θ Axis (turn)	330°			
	- α Axis (wrist)	330°			
Hand Gripper	Clamp, Fork, Vacuum, Custom Designed				
Memory	400 Programmable Recipes Standard				
Teaching Method	Teaching Playback/ Teaching Support				
Power (200/220v 3PH 50/60Hz)	1.9KVA	2KVA	3KVA	6.5KVA	
Main Body Weight (without hand)	700kg (1544 lbs)	800kg (1764 lbs)	750kg (1654 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, product types, and can only be confirmed after a detailed analysis of an application.

OPTIONS

- Cold environment upgrade
- Harsh environment upgrade
- Memory program expansion
- Auto reject function
- Simultaneous multi-size product handling (5th axis)
- Slipsheet placement
- Pallet placement



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