

FUJI EC-171 ROBOTIC PALLETIZER

FEATURES

- High capacity robot with up to 1200 cycles per hour, or idle at 100 cycles per hour
- Cutting edge controller allows operator to programme stack patterns and adjust pallet or product types with diagnostics and step-by step human interface, saves calling in a robot technician
- Low power consumption using only 3.5 kVA
- Semi or fully automated system to eliminate health and safety concerns and labour sourcing
- Daily performance delivered 24/7 with consistent productive output

OPTIONS

- Single or multi-lane configurations
- Range of grippers available
- Pallet dispensing - optioned automation of pallet feed and discharge increases production and reduces forklift movement
- Pallet Wrapping - full wrapping options available
- Top sheet applicators
- Conveyors & accumulation - powered pallet systems and accumulation options to suit varying layouts and space availability
- Guarding - complete hazardous area requirements for personnel safety
- Remote maintenance, including augmented reality

EC-171 robot has the largest working envelope of all Fuji robots while maintaining the smallest rotation radius. The EC-171 is energy efficient using only 4 kva while still allowing the robot to work in tight space conditions and accomplishing a very high palletizing rate. With two EC-171 models Fuji can offer a solution for High Speed (HS) and/or Heavy Weight (HD) applications.



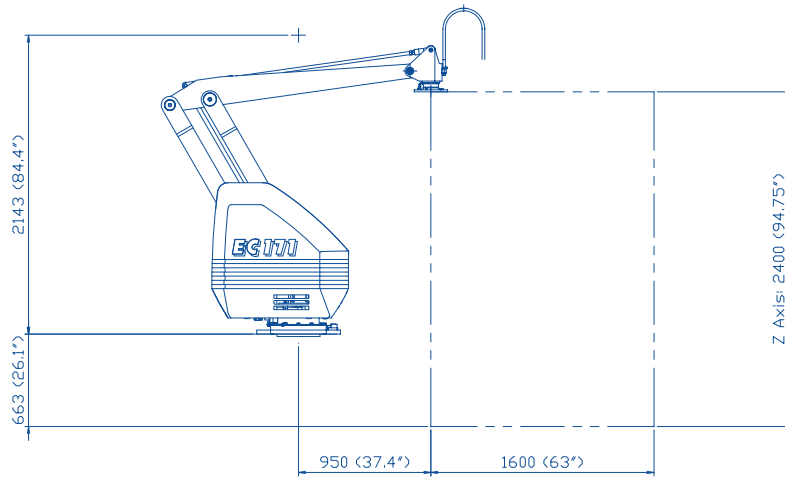


Diagram dimensions are for reference only*

Fuji Ace Model	EC-171 HS, EC-171 HD	
Type of Motion	Multi-articulated	
Action Mode	Cylindrical	
Load Capacity (Including End Effector)	80 kg (170 lbs) 160 kg (340 lbs)	
Palletizing Capacity (cycles / hour)	1500 1000	
Degree of Freedom	4 axis	
Operating Area	Z axis (vertical)	2400mm (94.75")
	R axis (longitudinal)	1600mm (63.125")
	Theta axis (rotation)	330°
	Alpha axis (wrist)	330°
Repeatability	±0.5 mm	
Memory	120-400 programming locations available	
Teaching method	Teaching playback / Teaching support	
Power Requirements	(200/220V, 3 phase, 50/60 Hz)	
Power Consumption (Without Peripheral Equipment Load)	4KVA / 10.5 amps	
Robot Weight (Without End Effector)	750 kg (1654 lbs)	
Pneumatic Consumption (Using Standard Fuji Case or Bag End Effector)	5.7SCFM @ 70psi (0.5MPa)	

Note: Capacity rates can be significantly affected by layouts, product types, and can be confirmed after a detailed analysis of an application.