



fancort industries, inc. TM

UE1 Universal Platform

Overview

Introducing Fancort's Universal Platform (UE1). The UE1 is a highly flexible and productive machine designed for a range of batch process. Its ergonomic proportions and automatic overhead door make it comfortable, productive, and most importantly it is Collaborative Ready when paired with a machine attendance Robot.

UE1 can be configured as a batch machine for robotic soldering PCB routing, dispensing, press fit, laser marking, screw fastening or just about anything.

Features

► Multi-functional Robots.

The enclosure can safely house multi-functional gantry and desktop robots which are compatible with off-line programming and Gerber data file import via optional PC software.

► Vision Equipped.

UE1 comes equipped with an on-board PC based flexible machine vision system which can be configured to perform fiducial alignment, bar code reading, dimensional inspection, pattern recognition based quality checks.

► Industrial Touch Screen GUI.

Standard touch screen interface makes programming the vision system straightforward with the ability to extend the machine desktop onto any windows 10 equipped laptop or PC.

► Industrial Teach Pendant.

Robot motion and job functions are easily configured via industrial teach pendant.

► Performance Specs (depends on Robot).

500 mm x 600mm x 200mm work area, up to 8kg payloads, speeds up to 800 mm/s, 3D linear and arc interpolation motion, up to 999 programs, up to 16 input/16 outputs, USB memory for teaching and data saving, built in 24v I/O power supply.





Specifications

Number of Axes		3 Axes Synchronous Control	
Stroke	X Axis (mm)	300/400/500/600	
	Y Axis (mm)	300/400/500	
	Z Axis (mm)	50/100/150/200	
	R Axis (deg)	-	
Driver Motor	Stepping Motor		
	X Axis	Feedback Control	
	Y Axis		
	Z Axis		
R Axis	-		
Maximum Portable Load	Tool (kg)	8	
Maximum Speed <PTP Movement> ¹	X-Axis Stroke	300	500
	X Axis (mm/s)	400	600
	Y Axis (mm/s)	700	800
	Z Axis (mm/s)	800	
	R Axis (deg/s)	400	
R Axis Acceptable Moment of Inertia (kg·cm ²)		-	
Repeatability (mm) ²	X Axis (mm)	±0.02	
	Y Axis (mm)	±0.02	
	Z Axis (mm)	±0.02	
	R Axis (deg)	-	
Mass (kg)	Robot	W:Y-Axis Stroke + 426 D:X-Axis Stroke + 309 H:Z-Axis Stroke + 357	
	Controller	170 x 310 x 300	
Mass (kg)	Robot	Varies depending upon stroke combination.	
	Controller	7.5	

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