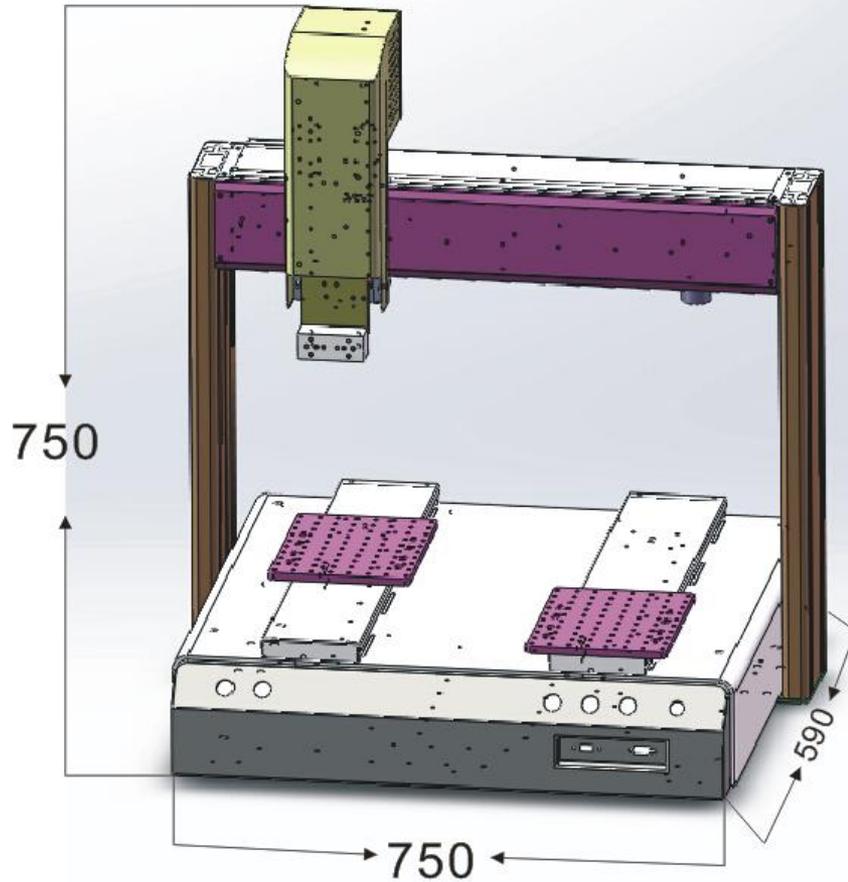


# **Automated Dispensing Robot (DJ-5030YYP)**

# Equipment appearance

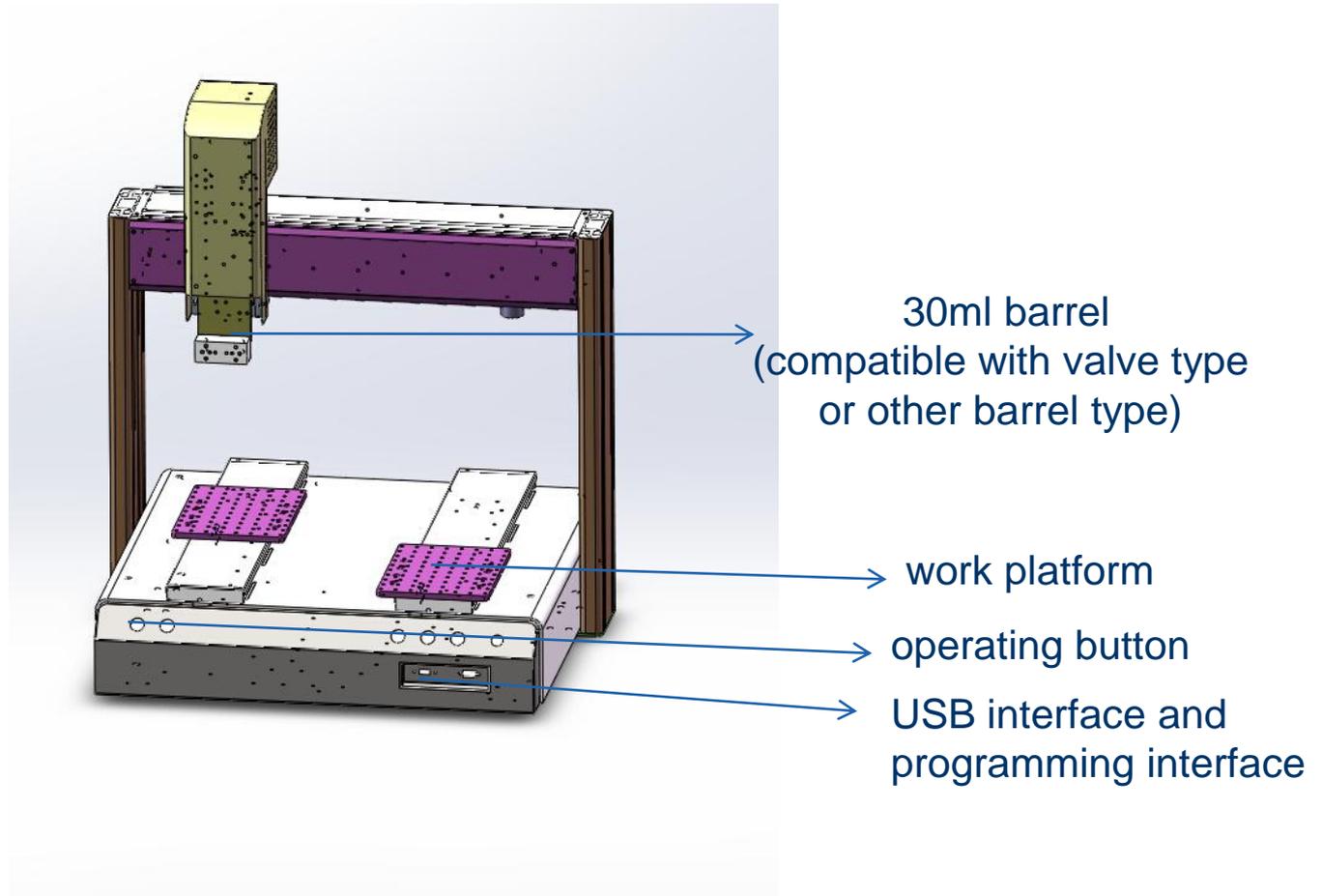
Size :



DJ-5030YYP Automated Dispensing Robot

# Equipment structure

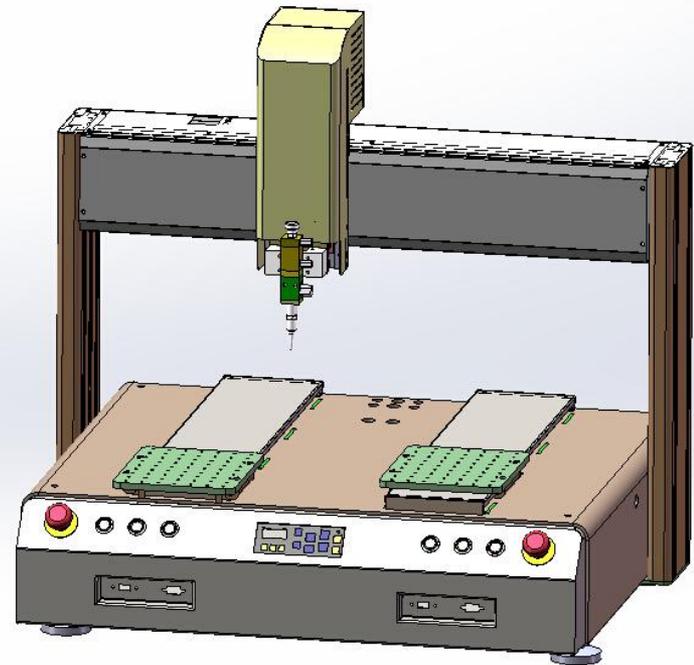
structure



# Equipment function

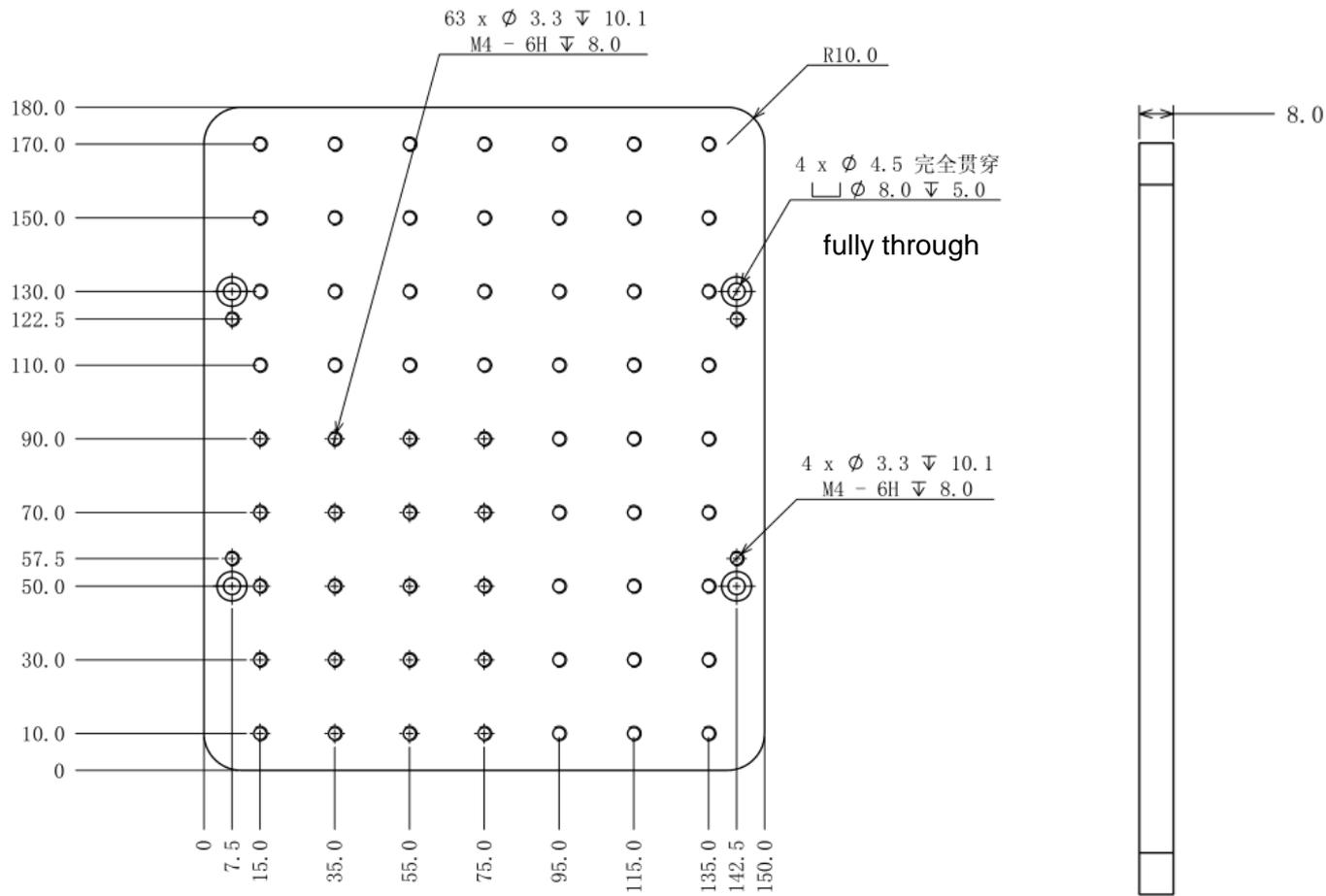
## Basic functions:

1. Three dimension servo and stepper drive motors (stepper drive motors with signal feedback for accuracy);
2. Hand held teach pendant (easy to program, realize fluid placement such as dots, lines, circles and arcs easily);
3. Programmable dispensing volume, dispensing speed, dispensing time and stop time (stable dispensing quantity);
4. Fluid dispensing, for example: UV glue, AB glue, silica gel, hot melt glue, EMI conductive adhesive, SILICON, epoxy, green glue, silver glue, red glue, solder paste, thermal grease, celluloid paint, threadlocker...;
5. Modularized structural design which is convenient for maintenance;
6. Customizable double head for simultaneous working (improve work efficiency exponentially).



# Component show

## Precise platform



# Equipment parameter

Model	DJ-5030YYP		
Power supply	220V		
Number of controllable axes	Three axis		
Moving range	X axis	Y axis	Z axis
	500mm	300mm	80mm
Speed range	X axis	Y axis	Z axis
	0.1~800mm/sec	0.1~800mm/sec	0.1~400mm/sec
Repeatability accuracy	X axis	Y axis	Z axis
	±0.02mm	±0.02mm	±0.02mm
Resolution	X axis	Y axis	Z axis
	0.01mm	0.01mm	0.01mm
Payload weight	work platform	8Kg	
Speed control	Auto speed control with forward-looking		
Storage for teaching files	Max.999 files&Max.1000 bytes		
Storage for processing files	Max.999 files		
Working ambient	Temperature	0~40℃	
	Relative Humidity	20%~90%	
Outside size W×D×H	750 * 590 * 750mm		
Weight	60Kg		

# Equipment configuration

## Core configuration:

1. Photoelectric controller: Panasonic (Japan), Omron (Japan), AIRTAC (Taiwan);
2. Sliding rail: HIWIN (Taiwan);
3. Driving mode: stepper drive motors of SHINANO (Japan) or simple servo drive motors (stepper drive motors with signal feedback for accuracy);
4. Control method: hand held teach pendant + single chip controlled movement system;
5. Body (heavier than aluminum): stabilized chassis and customization;
6. Power supply: MEAN WELL (Taiwan);
7. Belt: foreign wired belt with good abrasion resistance and stabilization.

# Equipment advantage

1. X, Y, Z HIWIN sliding rail (chassis stability);
2. Simple servo drive motors (stepper drive motors with signal feedback) to avoid missing steps;
3. Columns on both sides use mould unloading aluminum (unique porous aluminum which does not have to remove the shell when changing the wire);
4. Three dimension servo and stepper drive motors (stepper drive motors with signal feedback for accuracy);
5. Hand held teach pendant (easy to program, realize fluid placement such as dots, lines, circles and arcs easily);
6. Programmable dispensing volume, dispensing speed, dispensing time and stop time (stable dispensing quantity);
7. Fluid dispensing, for example: UV glue, AB glue, silica gel , hot melt glue, EMI conductive adhesive, SILICON, epoxy, green glue, silver glue, red glue, solder paste, thermal grease, celluloid paint, threadlocker...;
8. Modularized structural design which is convenient for maintenance;
9. Customizable double head for simultaneous working (improve work efficiency exponentially).

The background features abstract, overlapping geometric shapes in shades of light blue and green, creating a sense of depth and movement. A prominent horizontal bar, split into a dark red left half and a blue right half, spans the width of the image. The text 'Thank You!' is centered within this bar.

Thank You !