



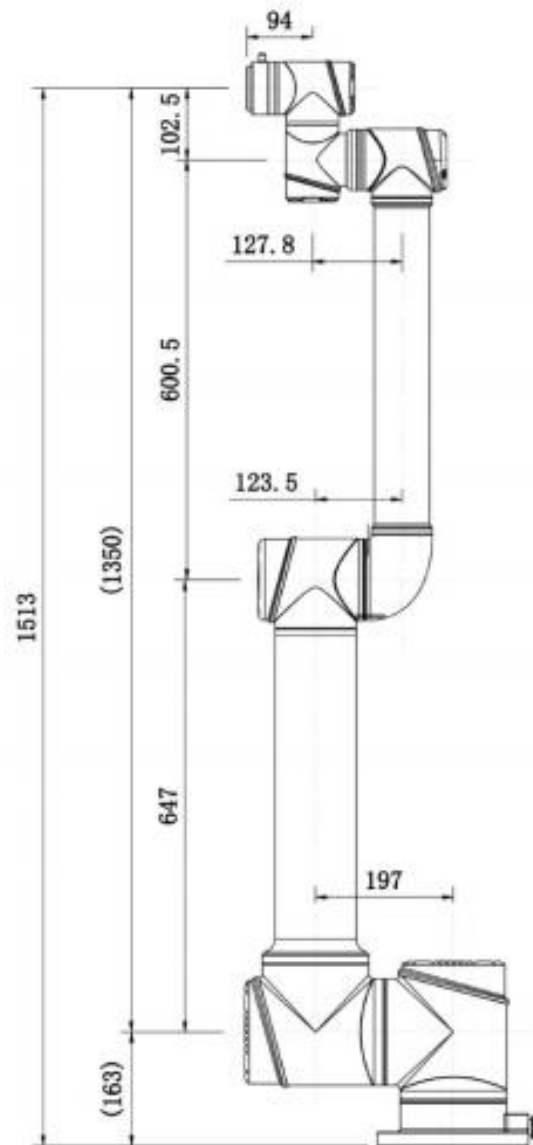
Composite Robot WAR 100-DS

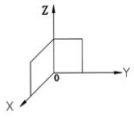


LiDAR SLAM Navigation + Load 10kg (Robot Arm)



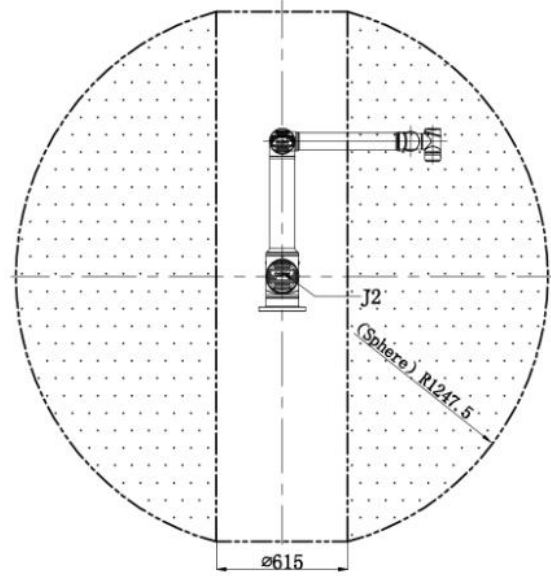
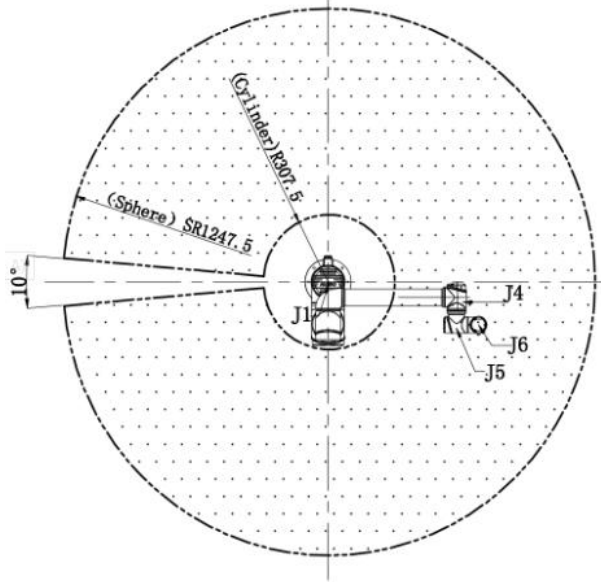
Dimension of Robot Arm





Visual angle : Along the Z axis

Visual Angel : Along the X /Y axis



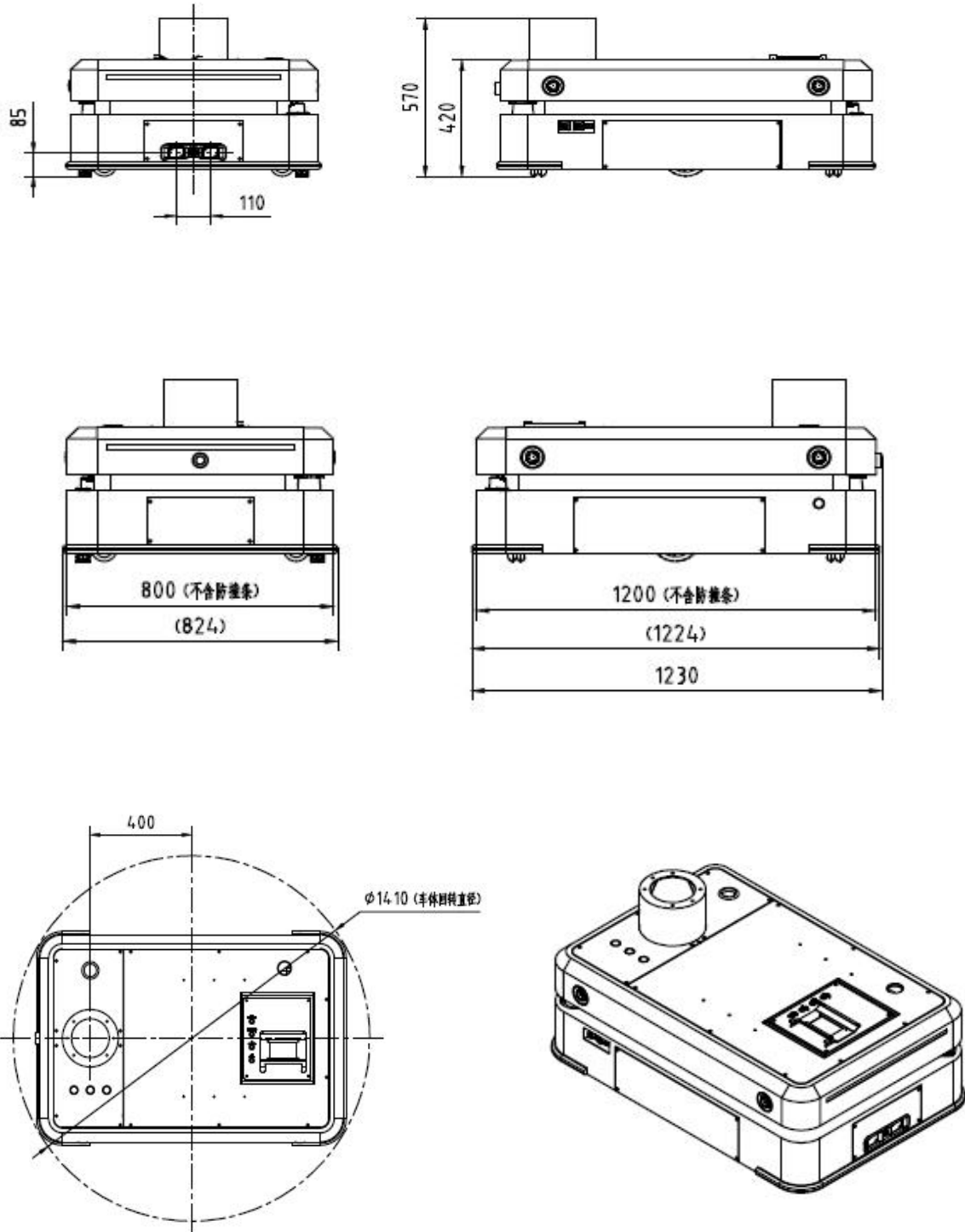
Note: 1.Two-dot chain line indicates: regional boundary.

2.The space area enclosed by the double-dotted line is the mechanical front installation, hoisting and vertical installation suggest the area where the tool end trajectory when the robotic arm works best.

3.The space area enclosed by the two-dot chain line is the intersection of the space area contained by the inner surface of a defective spherical surface and the space area of the outer surface of a cylinder.



Dimension of Robot Base





Specification

Specification of the Robot Arm		
	Name	Parameter
Robot Arm	Freedom of Motion	6
	Scope of Work (mm)	1350mm
	Rated Load (kg)	10
	Weight(kg)	37
	Rated Lifetime	≥30000h
	Position Accuracy	±0.1mm
	Terminal Velocity	≤4.0m/s
	Power Consumption	500W (Under Normal Working Conditions)
	I / O interface of manipulato r	Power Output
Current Output		0.8A MAX
Digital I/O		4-Channel Max (Input, Output Configured)
Analog Input		2-Channel
Teaching device	Size	380mm*350mm*258mm
	Weight	1.8kg



	Monitor	12 Inch Resistive LCD Touch Screen
	Length of Connecting Wire	4m
	Protection Level	IP54
	Color	Orange+ Black

Specification of Robot Base		
	Technical Parameters	Description
Basic Specification	Type	WAR100-DS
	Rated Payload(kg)	100kg
	Weight(kg)	350(±10KG)
	Position Accuracy(mm)	±10mm
	Size (L*W*H)mm	1200*800*420mm (Without bumper strip)
	Navigation Mode	LiDAR SLAM navigation
Sport Performance	Drive Mode	Servo motor+Double wheel differential drive
	Control Mode	Manual/Autonomous



	Sports Form	Horizontal linear motion
	Max Speed(Without load)	1.25m/s (Adjustable speed)
	Orientation Accuracy	$\pm 1^\circ$
Battery Performance	Driving Voltage(V)	DC48V
	Battery Capacity	40AH
	Type	Lithium iron phosphate
	Battery Life	1500 Cycles , Capacity \geq 80%
	Endurance	\geq 8h
	Charging Time	\leq 1.5h
	Charging Mode (optional)	Automatic/Offline charging
Safety Protection	Anti Collision Mode	LiDAR obstacle avoidance
		Front and rear bumper strips for obstacle avoidance
	Emergency stop	Front and rear emergency stop buttons



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