EFORT

ESR10-3-750Z15

ESR10-3-750Z15 is a customized SCARA robot specialized in screw driving and dispensing, Maxium payload 10 kg with maxium reach 760.5 mm

Highlights

 1. High rhythm and high precision
Tailored for high-speed and high-precision automatic screw locking tasks and adhesive coating.

2. High rigidity and low vibration Robot body mode and rigidity enhancement, combined with vibration suppression and active vibration suppression functions, effectively reduce vibration.

3. Easy to maintain and scalable The detachable structure of cables and batteries allows for the replacement of robots

Mode

inside the device, and the built-in camera network cable enables various communication extensions.

Applications

It can be used in handling, sorting, assembly, etc.

Suitable for industries such as electronic manufacturing, toys, household appliances, instruments, and equipment.

SPECIFICATIONS

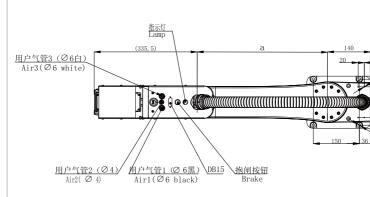


ESR10-3-750715

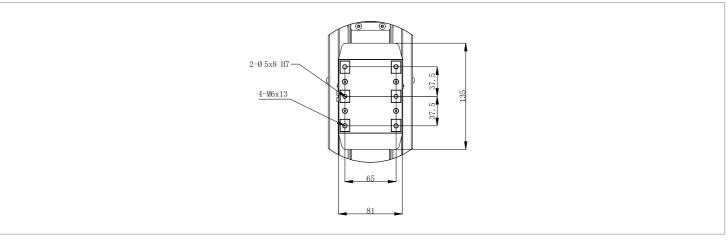
OPERATING SPACE

1

BASE MOUNTING SIZE



END FLANGE MOUNTING SIZE



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Model		ESR10-3-750Z15	
Reach		760.5 mm	
Max. payload on wrist	Rated	5 kg	
Max. paytoad on wrist	Maximum	10 kg	
Robot	weight	27 kg	
Maximum speed	J1+J2	9590 mm/sec	
	J3	800 mm/sec	
	J4	/	
Motion range	J1	±132°	
	J2	±150°	
	J3	150 mm	
	J4	/	
Repeatability	J1+J2	±0.025 mm	
	J3	±0.01 mm	
	J4	/	
Standard	l cycle time	/	
J4 allowable	Rated	/	
moment of inertia	Maximum	/	
Electric lines		D-Sub 15-Pin	
Pneumatic lines		φ4 mmx1,φ6 mmx2	
J3 downward force		200 N	
Installation		Floor	
Installation	Ambient temperature	5~40°C	
enviroment	Ambient humidity	RH≤80% (No dew nor frost allowed)	

*The final interpretation right belongs to EFORT Intelligent Robot Co., Ltd. Any updates will be made without prior notice.

ESR10螺丝机系列不同臂长机型运动范围参数 ESR10 screw robot series range of motion parameters for different arm lengths					
机型名称 The name of the model	ESR10-3-750Z15	ESR10-3-650Z15	ESR10-3-550Z15		
a.最大运动范围(mm) a.Maximum range of motion(mm)	760. 5	660.5	560. 5		
b.第1轴臂长(mm) b.lst axis arm length (mm)	425	325	225		
c.第1关节运动范围(') c.Range of motion of the 1st joint(')	132				
d.第2关节运动范围(') d.Range of motion of the 2st joint(')	150				
e.运动范围 e.Range of motion	319.5	268	267.5		
f.后方运动范围 f.Rear range of motion	619.5	553	486		

1-09 通 (安装孔) 4–∅9 through hole Mounting Holes

ESR10螺丝机系列不同臂长机型参数 ESR10 screw robot series with different arm lengths						
机型名称 The name of the model	ESR10-3-750Z15	ESR10-3-650Z15	ESR10-3-550Z15			
a	425	325	225			
b	642.5	586	555.5			