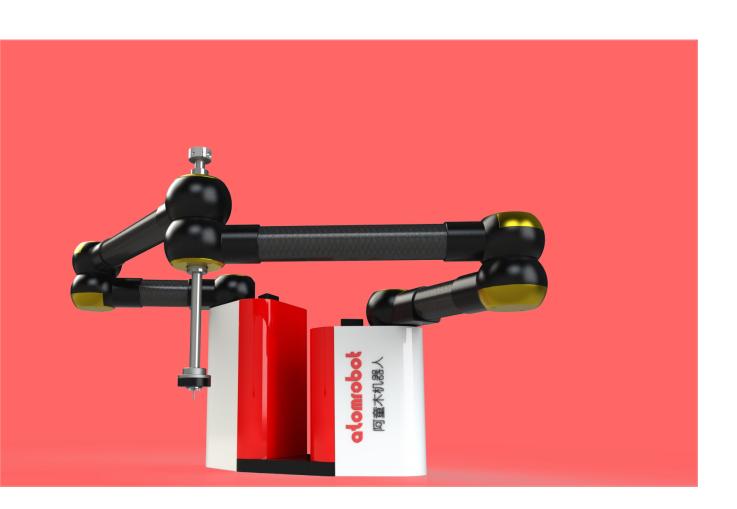


并联机器人

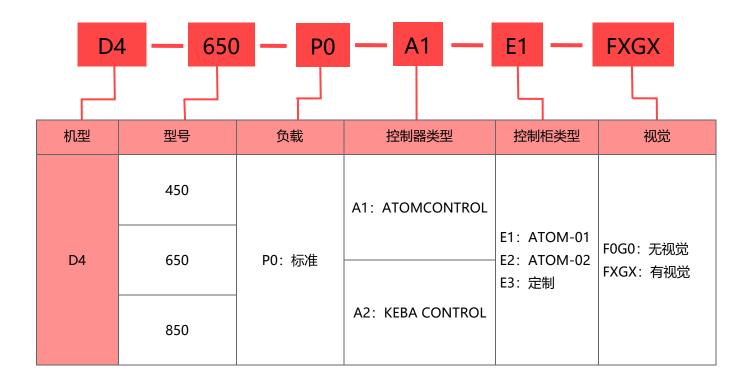
选 型 手 册

Parallel Robot Selection Manual

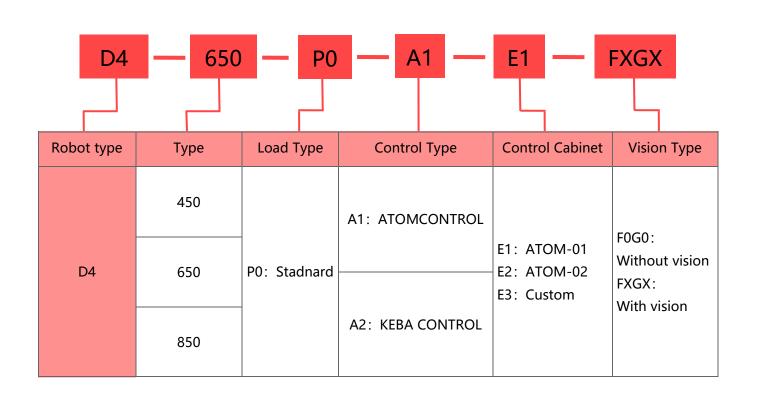
D4



。 型号和符号



Model and Symbol



D4-450-P0



型号 Type		D4-450-P0
轴数 Axes		2+2
最大负载 Payload		1.5kg
	重量 Weight	41.2 kg
机器人本体 Manipulator	工作空间特征尺寸 Dimension of workspace	450mm
重复定位精度	位置 Position	0.05mm
repeatability	旋转 Rotation	0.1°
旋转范围 Rotati	on range	±360°
允许负载最大旋转惯量(水平旋转) Allowable maximum moment of inertia		0.025 kg•m²
主动臂角度范围 Angle range of actuated arm		±135°
输入电源 Power supply		e-phase 380VAC -10%, 49~61HZ
电源容量 Power capacity	2.9 KVA	
额定功率 Rated Power	1.25kw	
保存温度 Storage temperature	-10°C~70°C	
工作环境 Work environment	-10°C~50°C, RH≤80%	
防护等级 Protection	IP55	

高速度 High speed 高精度 High precision 高稳定性 High stability 高自由度 More degrees 小巧、敏捷 Small and Agile

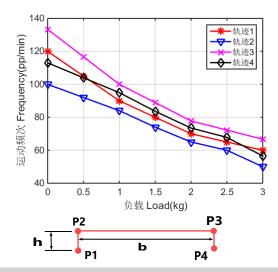
- ◆ 具备2+2自由度,轻松满复杂摆放场景。
 With 2+2-DOF movement in three-dimensional space, robot can be used for more complicated handling operations
- ◆ 标准循环时间小于0.5s,满足追求最高速度和最小体积需求。
 The standard cycle time is less than 0.5s, meeting your pursuit for the maximum speed and the minimum volume.
- ◆ 特殊传动结构设计,结合串、并联机器人优势,轻松应对高 强度高频次重复运动需求。

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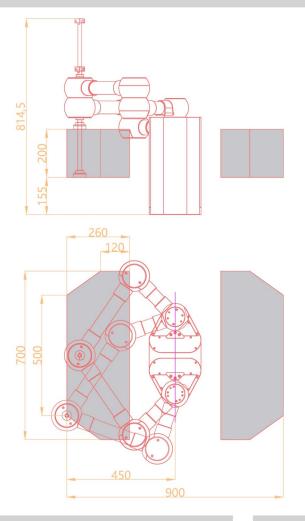
● 负载-频次 Load-Frequency



名称 Name	循环模式 Model	运动距离 Distance
轨迹1 Trajectory1	$P1 \!\rightarrow\! P2 \!\rightarrow\! P3 \!\rightarrow\! P4 \rightarrow\! P3 \!\rightarrow\! P2 \!\rightarrow\! P1$	h=25,b=305
轨迹2 Trajcetory2	$P1 \!\rightarrow\! P2 \!\rightarrow\! P3 \!\rightarrow\! P4 \rightarrow\! P3 \!\rightarrow\! P2 \!\rightarrow\! P1$	h=25,b=500
轨迹3 Trajectory3	$P1 \!\rightarrow\! P2 \!\rightarrow\! P3 \!\rightarrow\! P2 \!\rightarrow\! P1$	h=25,b=305
轨迹4 Trajectory4	$P1 \rightarrow P2 \rightarrow P3 \rightarrow P2 \rightarrow P1$	h=25,b=500

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外形尺寸及运动范围 Outline dimensions and Working range (mm)



说明:

图中灰色区域为末端下表面中心点的活动区域, 两区域相对于主动臂转轴连线对称, 一般情况下不建议同时使用。

机器人安装方式可选择正装或者吊装。

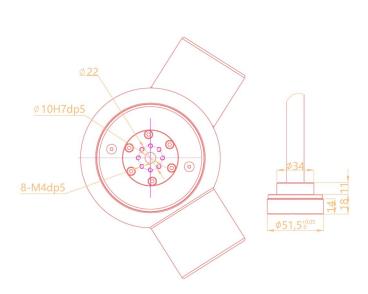
Instruction:

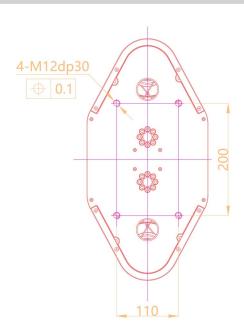
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The installation mode of the robot can be formal installation or hoisting.

法兰 Flange (mm)

基座安装 Base installation (mm)





D4-650-P0



型号 Type		D4-650-P0
轴数 Axes		2+2
最大负载 Payload		3kg
	重量 Weight	50.5kg
机器人本体 Manipulator	工作空间特征尺寸 Dimension of workspace	650mm
重复定位精度	位置 Position	0.05mm
repeatability	旋转 Rotation	0.1°
旋转范围 Rotati	旋转范围 Rotation range	
允许负载最大旋转惯量(水平旋转) Allowable maximum moment of inertia		0.035 kg•m²
主动臂角度范围 Angle range of actuated arm		±138°
输入电源 Power supply	三相 Three-phase 380VAC -10%~+10%, 49~61HZ	
电源容量 Power capacity	4.25KVA	
额定功率 Rated Power	1.8kw	
保存温度 Storage temperature	-10℃~70℃	
工作环境 Work environment	-10°C~50°C, RH≤80%	
防护等级 Protection	IP55	

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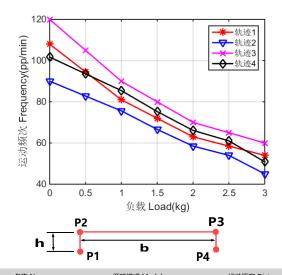
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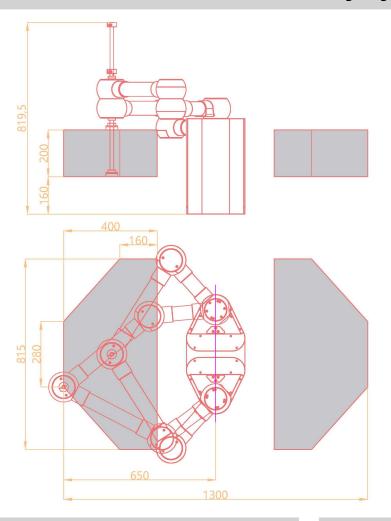
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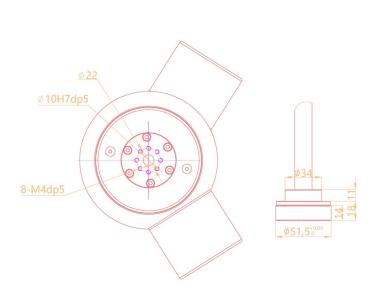
Instruction:

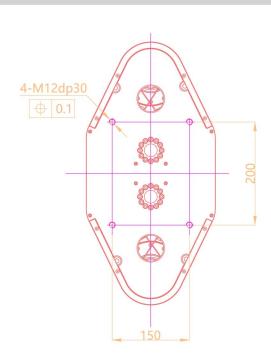
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法兰 Flange (mm)

基座安装 Base installation (mm)





D4-850-P0



型号 Type		D4-850-P0
轴数 Axes		2+2
最大负载 Payload		5kg
	重量 Weight	58.6kg
机器人本体 Manipulator	工作空间特征尺寸 Dimension of workspace	850mm
重复定位精度	位置 Position	0.05mm
repeatability	旋转 Rotation	0.1°
旋转范围 Rotati	on range	±360°
允许负载最大旋转惯量(水平旋转) Allowable maximum moment of inertia		0.035 kg•m²
主动臂角度范围 Angle range of actuated arm		±147°
输入电源 Power supply		e-phase 380VAC -10%, 49~61HZ
电源容量 Power capacity	4.25KVA	
额定功率 Rated Power	1.8kw	
保存温度 Storage temperature	-10℃~70℃	
工作环境 Work environment	-10°C~50°C, RH≤80%	
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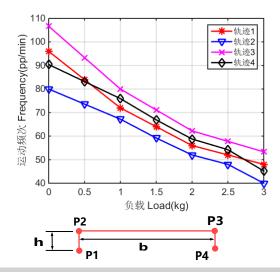
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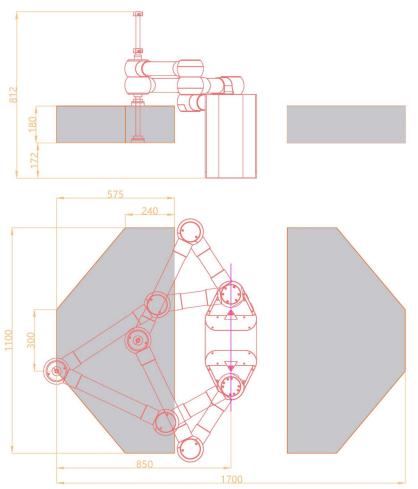
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