

ABOUT **Ti5ROBOT**

ARM SERIES

钛虎机器人
Ti5 ROBOT

协作机器人
Collaborative robots

钛虎协作机器人

智能改变未来

SMART CHANGES THE FUTURE

钛虎为客户提供极致性价比的高性能轻量化关节模组,并基于轻量化关节模组开发出高性能、超轻量化的协作机器人、人形机器人及外骨骼等产品。

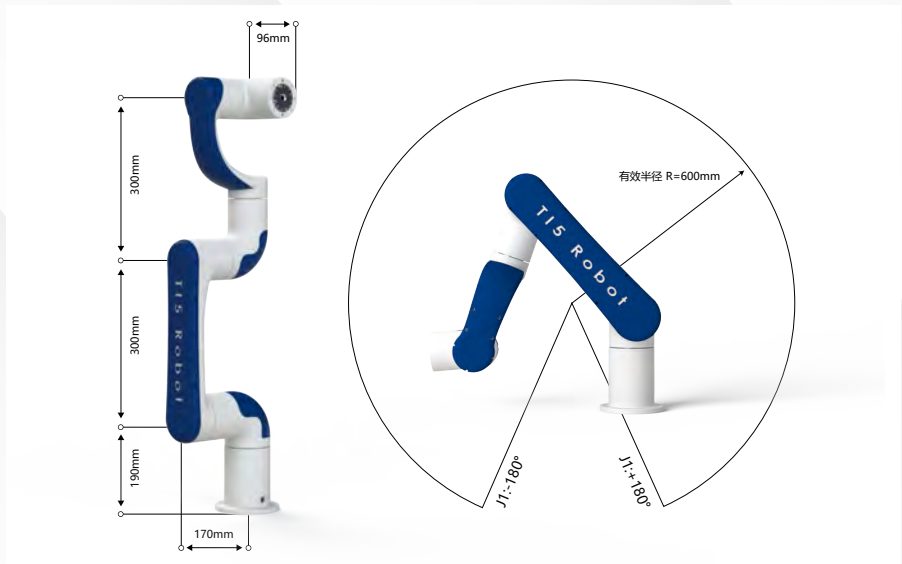
Ti5 Robot provides customers with high-performance lightweight integrated joint modules with the ultimate cost performance. Based on these lightweight integrated joint modules, Ti5 Robot developed high-performance, ultra-lightweight collaborative robots, humanoid robots and exoskeletons.



钛虎致力于打造适配广泛的高性能行业标准品，致力于降低客户开发和使用机器人的门槛，重构机器人和工业自动化产业链格局。

Ti5 Robot is committed to creating high-performance industry-standard robot products which is widely adaptable.

Ti5 Robot aims to lower the threshold for customers to develop and use robots, thereby restructuring the robot and the industry automation industry chain.



定制化服务

CUSTOMIZED SERVICE

充分满足市场上标准机无法满足的客户需求
Fully meet customer demand that the market standard machine can not meet

帮客户缩短研发周期
Help customers shorten the development cycle

帮客户缓解硬件技术人才缺乏的问题
Help customers alleviate the shortage of hardware technical talents

高超的协作能力

SUPERB COLLABORATION ABILITY

协作机器人的设计是用户友好的和安全的
这使得它们可以无缝地集成到现有的制造过程中
而且防止事故或对人类构成威胁

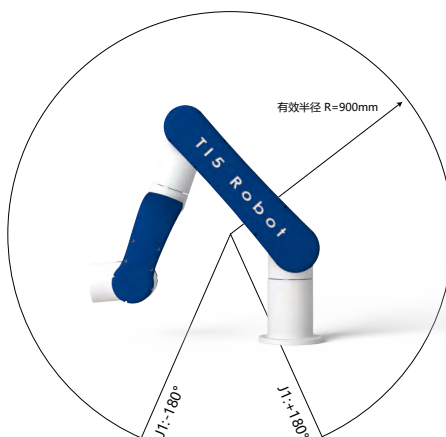
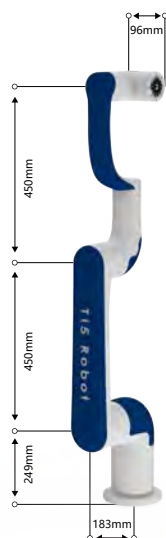
Cooperative robot designed to be user-friendly
which makes their integration into existing
manufacturing processes seamless
and prevent accidents or pose a threat to humans.

名称 Name	Ti5 Robot Arm-3	
重量 Mass	12kg	
有效负载 Payload	3kg	
工作半径 Working Radius	600mm	
重复定位精度 Repetitive Positioning Accuracy	0.05mm	
自由度 DOF	6	
功率 Power	300W	
接口与开放性 Interface and Openness	ROS、PYTHON、C++	
电源电压范围 Power Supply Voltage Range	28~48V	
关节运动范围 Joint Range	J1(±180°) J2(±90°) J3(±135°) J4(±180°) J5(±150°) J6(±180°)	
关节最大速度 Maximum Joint Speed	106°/sec	
IP等级 IP Rating	IP50	
本体材料 Material	铝合金、树脂 Aluminum alloy, resin	
工作环境温度 Temperature Range	0°C~50°C	
供电 Power Supply	DC 48V, 10A; DC 28V 20A	
USB	USB3.0*4	
HDMI	HDMI2.0	
I/O接口 I/O interface	SPI/I2C/GPIO/UART	
标准线缆长度 Standard Cable Length	1m	

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名称 Name	Ti5 Robot Arm-5
重量 Mass	18kg
有效负载 Payload	5kg
工作半径 Working Radius	900mm
重复定位精度 Repetitive Positioning Accuracy	0.05mm
自由度 DOF	6
功率 Power	500W
接口与开放性 Interface and Openness	ROS、PYTHON、C++
电源电压范围 Power Supply Voltage Range	28~48V
关节运动范围 Joint Range	J1 (±180°) J2 (±90°) J3 (±135°) J4 (±180°) J5 (±150°) J6 (±180°)
关节最大速度 Maximum Joint Speed	106°/sec
IP等级 IP Rating	IP50
本体材料 Material	铝合金、树脂 Aluminum alloy, resin
工作环境温度 Temperature Range	0°C~50°C
供电 Power Supply	DC 48V, 10A; DC 28V 20A
USB	USB3.0*4
HDMI	HDMI2.0
I/O接口 I/O interface	SPI/I2C/GPIO/UART
标准线缆长度 Standard Cable Length	1m

Ti5ROBOT ARM SERIES APPLICATION FIELD

钛虎协作机器人应用领域



工业制造 | Industrial Manufacturing



新零售/服务 | New Retail/Service



科研教育 | Research and Education



医疗健康 | Medical Rehabilitation



危险作业 | Hazardous Work



复合机器人 | Compound Robot



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