



AIR3-560-XP

高精度
高可靠性
高安全性
国家级防爆认证

High precision
High reliability
High safety
National explosion-proof certification

- 已获国家级防爆认证。
Has obtained national certification for explosion-proof Equipment.
- 采用正压保护系统。机器人壳体采用高密封性结构设计，配备气压监控系统，实现全过程检测。整套防爆系统具备高可靠性和高安全性。
Adopts a positive pressure explosion-proof system. The shell of the robot is designed with a high sealing structure, equipped with an air pressure monitoring system to realize the whole process of detection. The whole explosion-proof system is reliable and safe.
- 适用于喷漆、喷粉工艺应用，以及石油冶炼或加油站内的环境巡检工作。
Has a wide range of applications, like painting, dispensing and the environmental inspection work in Petroleum refineries or at gas stations.

型号 Type		AIR3-560-XP
轴数 Axes		6
负载 Payload		3kg
机器人本体 Manipulator	重量 Weight	38kg
	最大运动范围 Reach	560mm
定位精度 Positioning accuracy	位置重复定位精度 Position repeatability	±0.03mm
防爆类型 Ex-Type		气体 / 粉尘 Gas/dust
防爆等级 Ex-Mark		Ex pzc eb ia II T4 Gc
适用场所区域 Applicable site area		2 区 Zone 2
认证标准 Standards for testing		国标 GB/T 3836
安装方式 Mounting		地装 / 壁装 / 吊装 Floor/ wall/ ceiling
运动范围 Working range	轴 1* Axis 1 rotation	-170°/+170°
	轴 2 Axis 2 arm	-110°/+120°
	轴 3 Axis 3 arm	-108°/+152°
	轴 4 Axis 4 wrist	-200°/+200°
	轴 5 Axis 5 bend	-118°/+118°
	轴 6 Axis 6 turn	-350°/+350°
运动速度 Rotation rate	轴 1 Axis 1 rotation	450°/s
	轴 2 Axis 2 arm	450°/s
	轴 3 Axis 3 arm	525°/s
	轴 4 Axis 4 wrist	600°/s
	轴 5 Axis 5 bend	600°/s
	轴 6 Axis 6 turn	800°/s
适用控制柜 Controllers		inCube20/ARC5-12
安装条件 Mounting conditions	环境温度：0~45℃ Ambient temperature: 0~45℃ 湿度：恒温下 95% 以内，无凝露。 Humidity: not more than 95% at constant temperature without condensation. 允许高度：操作机正常工作环境的海拔高度不应超过 1000 米（在 1000 米 -4000 米高度范围内，操作机应降额使用）。 Allowable altitude: not more than 1000m above sea level. 不应有腐蚀性、可燃性、易爆性气体。 No corrosive, flammable or explosive gases.	



* 若去除机械限位，运动范围可达 -180°/+180°。
If the mechanical limit is removed, the working range can reach -180° /+180°.