

GCR14 -1400-Series Cobot

GCR14-1400-协作机器人

GCR14-1400为GCR系列高端通用型协作机器人产品，负载与工作半径的显著优势使其能够适应更广泛的应用需求，同时具有安全、易于操作、快速部署、低功耗等协作机器人特性。

GCR14-1400 is a GCR series cooperative robot product. . With significant advantages--higher payload and working range, and features of cobot such as collaborative safety, easy-to-use and energy-saving, these robots can adapt to more application needs.

产品特性 | PRODUCT FEATURES

-  具有碰撞检测、力和功率监控等16个TUV 认证的安全功能，人机协作更安全
With 16 TUV certified safety functions such as colision detection, force and power monitoring,which enables Human Robot Colaboration
-  提供完整2D/3D视觉解决方案,深度集成2D/3D视觉，无需增加额外处理器硬件
Provido a completo 2D/3D vision solution, doop integration of 2D/3D vision, without additional proccessor hardware
-  负载14kg，工作半径1400mm，应用广泛，性能提升，旗舰版轨迹速度提升30%
Widely Applied: Payload 14kg, Working Range 1400mm.Increased Performance, 30% Faster Trajectory.
-  拖拽示教式编程，降低使用门槛，易操控
Easier-to-use: With Traction Teach Programming, Less limitation to robot user.
-  轻量化设计，可快速部署并适应产线，更高效
Lightweight & Space-saving: Can be quickly deployed and redeployed to adapt to production line changes.
-  机体可防静电ESD，更好地满足特定行业需求
ESD Antistatic: Better meet the demands of specific industries.

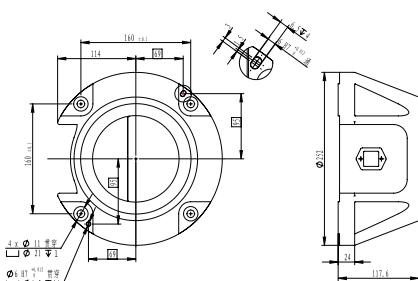
GCR14-1400



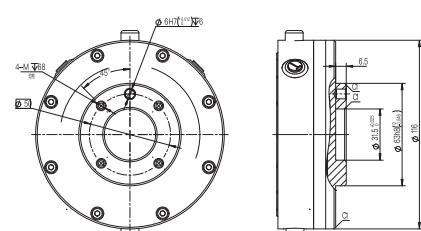
技术参数 | TECHNICAL PARAMETERS

最大负载 Max Payload	14kg	I/O	控制柜 Control Box I/O	16 Dig I/O, 24V, 0.5A
自由度 Degrees of Freedom	6		末端 End Joint I/O	2 Dig I/O, 24V, 0.6A
末端最大速度 Max TCP Speed	2.2m/s		电源 Power Supply	220-240VAC 47-63Hz10A 100-200VAC 47-63Hz 16A
末端最大直线速度 Max Straight-line Speed	1.0m/s		功耗 Power Consumption	典型工况约600W Typical Power Consumption 600W
有效工作半径 Reach	1400mm		机器人外形尺寸 Robot Dimensions	1695x388x205mm
重复定位精度 Repeatability	±0.05mm		控制柜尺寸 Control Box Size	410x306x292mm
关节 Joint 运动范围 Range	最大速度 Max Speed		安装方式 Installation	置地式、倒挂式、悬臂式 Installed in any Direction
J6 ±360°	225°/s		环境温度 Ambient Temperature Range	-10°C~45°C
J5 ±360°	225°/s		存储温度 Storage Temperature Range	-40°C~55°C
J4 ±360°	225°/s		IP等级 IP Class	IP54
J3 ±360°	180°/s		机器人包装尺寸 Robot Package Size	1060x500x600mm
J2 ±360°	120°/s		净重/毛重 Net/Gross Weight	66kg/75kg
J1 ±360°	120°/s		控制系统包装尺寸 Control System Package Size	480x395x376mm
工具接口 Tool Interface	GB/T 14468.1-50-4-M6 (eqv ISO 9409-1)		重量 Weight	20kg
通讯方式 Communication Protocol	TCP/IP, MODBUS/TCP, Profinet, EtherCAT, CAN, 485 Support Various Communication Protocols Expansion			

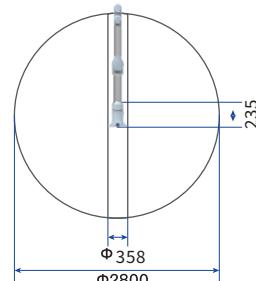
底座法兰 | BASE FLANGE



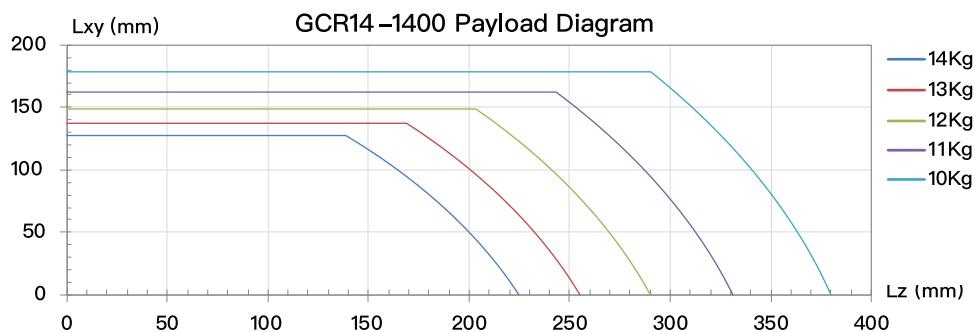
工具法兰 | TOOL FLANGE



工作空间 | WORKSPACE



负载曲线 | PAYLOAD DIAGRAM



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