

B SERIES INDUSTRIAL TEACH PENDANT

B系列工业示教器

开放设计 无限可能
Open Design Infinite Possibilities



Company Profile

公司简介

广州亿达科技有限公司旨在打造性能卓越的开放式数控系统,让自动化开发变得更简单。作为中国高性能控制器制造商之一,亿达科技专注于客户需求,不断突破技术研发边界,形成了完善的自动化关键技术生态系统,以行业广度和专业深度为客户提供具有差异化的解决方案和便捷服务,竭力让客户从产品中获得助力,快速成长,产生价值。

亿达科技以技术为本,始于数控,却不止数控。坚定立足于数控技术,积极探究运动控制器、边缘计算控制器、Open CNC开发平台、CAD/CAM技术、机器视觉技术、工业物联网技术等。领先行业的Open CNC开发平台,让机器设备的电控客制化开发变得成本更低、更简单;7个核心技术内嵌(运动控制、HMI、PLC、机器视觉、CAD/CAM、物联网、3D仿真),为客户提供最佳一站式解决方案。

凭借出色的开放式产品架构和多种技术集成能力,亿达科技在车床、铣床、磨床、弹簧机、刀具机、木工机械、绕线机、弯管机、3C电子等行业,积累了丰富的产品经验和客户基础,并持续创造卓越。

潜心笃志,匠心创变,厚发求精,共生共赢,崇德守信是亿达科技创立以来所秉持的经营理念和企业价值。一直以来,我们坚持初心,砥砺前行,为成为世界领先的开放式数控系统品牌不断努力。让中国智造,中国服务响彻全球。

Guangzhou Finger Technology Co., Ltd. is committed to creating high-performance open CNC systems, making automation development simpler. As one of China's leading high-performance controller manufacturers, Finger Technology focuses on customer needs and continually pushes the boundaries of technological innovation. The company has built a comprehensive automation ecosystem with key technologies, offering differentiated solutions and convenient services to clients. Finger strives to help customers gain value from its products, accelerate growth, and generate substantial returns.

Finger Technology is fundamentally driven by technology, originating from CNC but not confined to it. Firmly rooted in CNC technology, the company actively explores motion controllers, edge computing controllers, Open CNC development platforms, CAD/CAM technologies, machine vision technologies, and industrial Internet of Things (IoT) technologies. Its industry-leading Open CNC development platform makes the customized development of machine equipment electrical controls more cost-effective and simpler. With seven core technologies embedded (motion control, HMI, PLC, machine vision, CAD/CAM, IoT, and 3D simulation), Finger Technology provides customers with the best one-stop solutions.

Leveraging its outstanding open product architecture and diverse technology integration capabilities, Finger Technology has accumulated extensive product experience and a solid customer base in industries such as lathes, milling machines, grinding machines, spring machines, tool machines, woodworking machinery, winding machines, pipe bending machines, and 3C electronics, continuously achieving excellence.

Devotion to excellence, innovation with craftsmanship, pursuit of precision, symbiosis and win-win, and integrity are the core business philosophy and values upheld by Finger Technology since its establishment. We have always remained true to our original intention, striving forward with determination, and continuously working towards becoming the world's leading open CNC system brand, ensuring that Chinese manufacturing and Chinese services resonate globally.

企业愿景 Company Vision

让自动化开发变得更简单 Make automation development simpler.

企业使命 Company Mission

构建更开放、更便捷、更包容的控制器产品,竭力让客户从产品中获得助力,快速成长,产生价值,并成为世界领先的开放式数控系统品牌。
Build more open, convenient, and inclusive controller products. Strive to help customers gain support from products, grow rapidly, and create value. Become the world's leading brand in open CNC systems.

核心价值观 Core Values

求实诚信
Practical Integrity

坚持初心
Stay True to the Original Intention

破旧立新
Break Tradition, Embrace Newness

追求卓越
Pursue Excellence

携手并进
Progress Together

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Industrial Teach Pendant

工业示教器

≡ 简要说明 Brief Explanation



- 01 支持编程示教操作, 安全禁区设定, 防碰撞检测
Supports Programming and Teaching Operations, Safe Zone Setting, and Collision Detection to Prevent Accidents
- 02 集成工业物联网模块, 可实现远程监控管理与服务
Integrated Industrial Internet of Things (IIoT) Module, Enables Remote Monitoring, Management, and Services
- 03 搭配轻便型集成手轮, 示教更精准
Paired with a Lightweight Integrated Handwheel for More Accurate Teaching/Instruction
- 04 开放式UI、PLC、MACRO, 客制化应用简单便捷
Open UI, PLC, MACRO, Easy Customization for Simple and Convenient Customized Applications
- 05 多种料盘堆叠模式选择, 并支持二次开发
Multiple Tray Stacking Modes to Choose From and Support Secondary Development
- 06 多通道并发技术、顺序解码、同步执行、加工效率极致体验
Multi-Channel Concurrent Technology, Sequential Decoding, Synchronized Execution Ultimate Processing Efficiency Experience

- 07 专用薄膜面板, 面板按钮功能支持客制化
Dedicated Thin Film Panel, Customizable Panel Button Functions
- 08 触摸按键操作任意切换, 更灵活
Touch Button for Flexible and Easy Switching between Operations
- 09 EtherCAT工业现场总线, 高实时响应
EtherCAT Industrial Fieldbus, High Real-Time Response
- 10 可拓展外部功能模组 (ADC/DAC/AXES)
Expandable External Functional Modules (ADC/DAC/AXES)
- 11 配备亿达伺服驱动器, 驱动参数一键设定
Equipped with Finger Servo Drives, One-Key Drive Parameter Setting
- 12 B系列7寸手持控制器, 一体化设计, 结构紧凑
B Series 7-inch Handheld Controller, Integrated Design, Compact Structure

垂直多关节系列 Vertical Multi-Joint Series



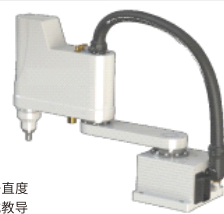
多自由度, 多种安装方式
友好使用者界面
Multiple Degrees of Freedom
Various Mounting Options
User-Friendly Interface

桁架机械手 Gantry Robotic Arm



高可靠性、高速度、高精度
贴合CNC行业编程操作
High Reliability, High Speed, High Precision
Suitable for CNC Industry
Programming and Operations

SACRA系列 SACRA Series



优越重复精度、线性度、垂直度
多样性教导工具与直观式教导
Superior Repeatability, Linearity, and Verticality
Diverse Teaching Tools and Intuitive
Teaching Interface

≡ 多型态机械手臂控制 Multi-Configuration Robotic Arm Control

支持不同的桁架+料盘模块, 以及四轴 SCARA, 六轴垂直多关节机器人。客户可依据实际应用需求, 自行选择机械手臂模块, 系统即可生成对应的机械手臂算法, 提升操作灵活性与便利性。Supports various gantry + tray modules, as well as four-axis SCARA and six-axis vertical multi-joint robots. Customers can choose robot arm modules based on their specific application needs. The system will automatically generate corresponding robot arm algorithms, enhancing operational flexibility and convenience.

≡ 应用行业 Application Industries

金属加工业
Metalworking Industry

橡塑胶业
Rubber & Plastic Industry

消费性电子
Consumer Electronics

食品产业
Food Processing Industry

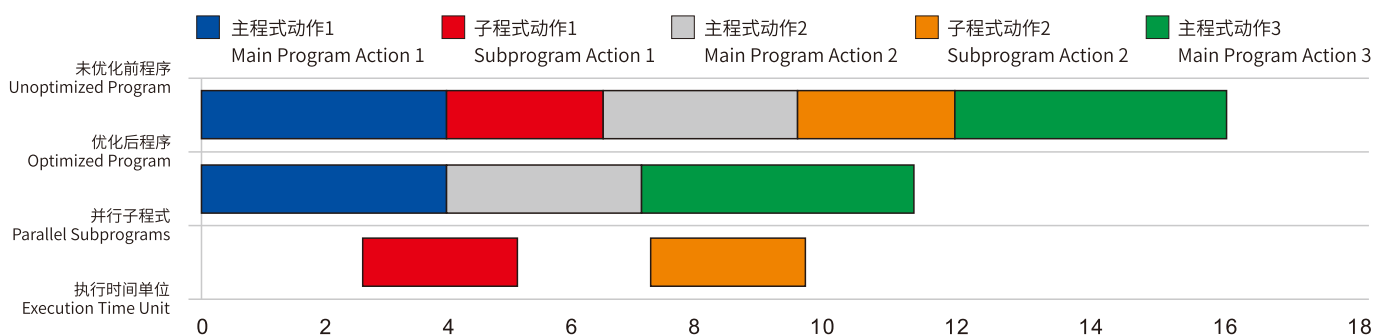
Special Features 1

特色功能1

≡ 并行程式 Parallel Programming

1. 实现空闲通道的自举并发程序执行，彻底消除空节拍；
2. 自举并发技术可以任意执行程序指令，不受指令限制；
3. 支持多路程式同时并行调用，实现高效加工。

1. Achieve bootstrapping concurrent program execution for idle channels, completely eliminating idle cycles.
2. Bootstrapping concurrent technology allows the execution of program instructions without restrictions on instructions.
3. Support simultaneous parallel invocation of multiple programs to achieve efficient processing.

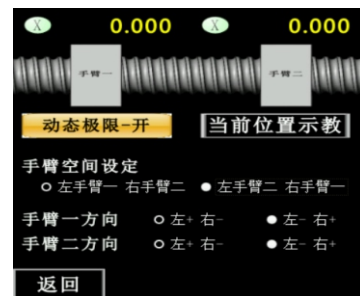
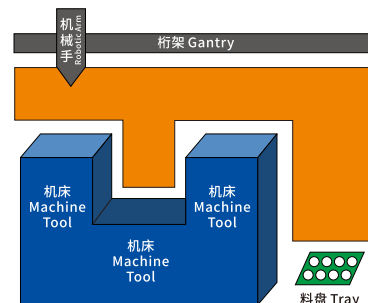


≡ 模拟试跑/手轮预测功能 Simulated Test Run/Handwheel Predictive Function

1. 使用手轮预测验证加工轨迹，调试更加方便；
 2. 加工中可随时进行轨迹回退调整，验证关键环节，减少调试时间。
1. Use handwheel prediction to verify machining trajectories for more convenient debugging.
 2. During processing, you can adjust the trajectory by rolling back at any time to validate critical steps and reduce debugging time.

≡ 安全区域设定 Safety Zone Setting

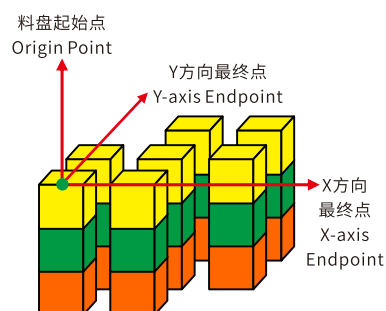
1. 提供安全区域教导，直观划分工作区和禁区，提高安全可靠；
 2. 干涉区域示教，多手臂进入时自动避让，防止一同进入；
 3. 支持自定义立体安全区域，动态软限位，视现场情况弹性调整。
1. Provides safety zone teaching, intuitively dividing the workspace and restricted areas to enhance safety and reliability.
 2. Interference zone teaching, automatically avoiding when multiple arms enter to prevent simultaneous entry.
 3. Supports custom 3D safety zones, dynamic soft limits, and flexible adjustments based on on-site conditions.



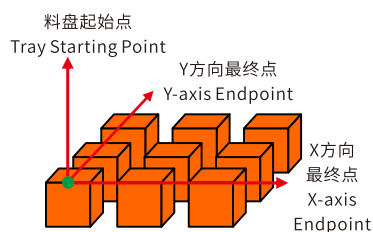
Special Features 2

特色功能2

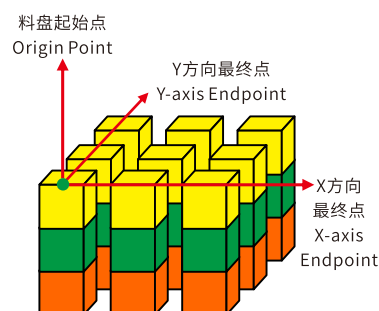
点阵料盘 Grid Tray



点位屏蔽模式 Point Masking Mode



标准模式 Standard Mode



堆叠模式 Stacking Mode

料盘模块 Tray Module



集成多种工艺
Integrated with various processes

单/双料盘取放, 多层料盘, 垂直料盘, 旋转料盘
Single/dual tray loading and unloading, multi-layer tray, vertical tray, rotating tray



模块化示教
Modular teaching

通过对点示教, 无需编程操作, 可完成位置校准
Position calibration can be completed through point teaching without programming



多种动作模式
Multiple motion modes

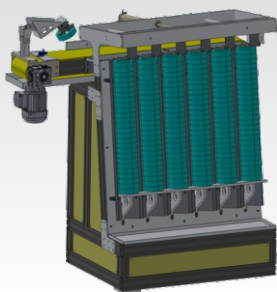
标准模式, 堆叠模式, 点位屏蔽模式
Standard mode, stacking mode, point shielding mode



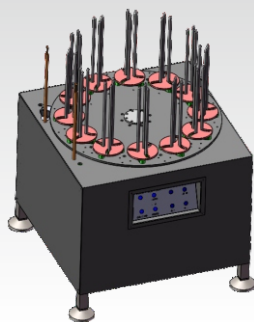
客制化满料处理方式
Customized full tray handling method

可自行编辑满料后的处理动作实现自动换盘, 提示补料等操作
You can edit the handling actions after the tray is full to achieve automatic tray change, prompt for material loading, and other operations

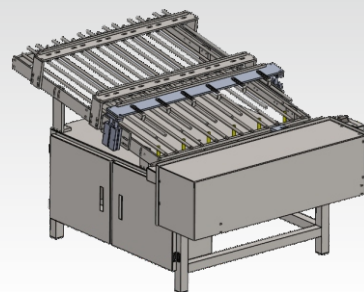
其他类型料盘 Other Types of Trays



垂直料盘 Vertical Tray



旋转料盘 Rotating Tray



水平料盘 Horizontal Tray

特色功能3

≡ 示教编程 Teach Programming

内置标准的指令集对话编程模块，操作简易

Built-in standard instruction set for conversational programming module, easy operation.

对话式编程 Conversational Programming

程序位置与点位关联，一键调整点位

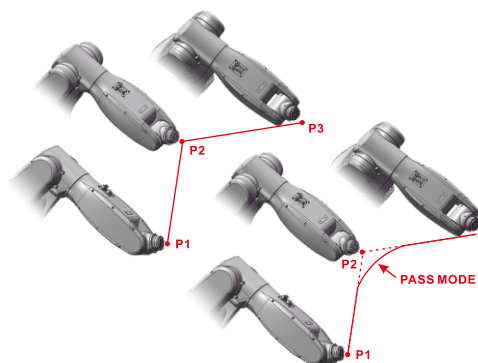
Program positions are associated with reference points, one-click adjustment of reference points.

参考点位示教 Reference Point Teaching

提升可读性、减少培训时间

Improves readability and reduces training time.

中文化编辑 Chinese Language Editing



≡ MISS点轨迹平滑 MISS Point Trajectory Smoothing

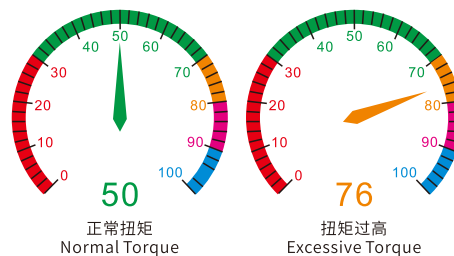
1. 优化机台在MISS点位的运行轨迹，运行过程更加顺滑，减少对机台的冲击，延长使用寿命，提高运行效率；
2. 自由设定miss点位，确保关键点位置准确；
3. 可设定平滑距离，提高效率并减少震动。

1. Optimize the machine's operation trajectory at MISS points to make the operation smoother, reduce impact on the machine, extend its lifespan, and improve operational efficiency.
2. Freely set MISS points to ensure the accuracy of critical point positions.
3. Set the smoothing distance to increase efficiency and reduce vibrations.

≡ 扭矩检测及保护功能 Torque Detection and Protection Functionality

1. 扭矩实时保护功能，保护机械手臂和机台的安全；
2. 取放产品时进行扭矩检测，保护机台夹爪不受挤压；
3. 加工中发生碰撞时可提供保护，避免造成损失。

1. Real-time torque protection function to ensure the safety of the robotic arm and the machine.
2. Torque detection during product handling to protect the machine's gripper from being squeezed.
3. Provides protection in case of collisions during processing to prevent any damage or loss.



≡ 通讯功能 Communication Functionality

通讯协议

1. 支持标准Modbus全协议，包括TCP/IP、Modbus RTU、Modbus ASCII、自定义通讯和OPCUA协议；
2. 独立RJ45接口，能够满足基本工业控制需求；
3. 采用模块化设计，支持多设备、多协议同时接入；
4. 存在不同的任务管理机制，能够根据需求实现不同的通讯周期。

1. Supports standard Modbus full protocols, including TCP/IP, Modbus RTU, Modbus ASCII, custom communication, and OPC UA protocol.
2. Independent RJ45 interface to meet basic industrial control requirements.
3. Utilizes modular design, supports multiple devices and multiple protocols simultaneously.
4. Utilizes different task management mechanisms to achieve different communication cycles based on requirements.

物联网功能

1. 完整的协议网关数据采集系统；
2. 大数据为工厂提供数据分析，如OEE指标、设备监控、设备维护保养、统计分析等；
3. 不同应用场景的物联网解决方案，离散型设备解决方案、连续型设备解决方案、局域网解决方案和广域网解决方案。

1. Comprehensive protocol gateway data acquisition system.
2. Big data provides data analysis for factories, such as OEE indicators, equipment monitoring, equipment maintenance, statistical analysis, etc.
3. Internet of Things solutions for different application scenarios, including discrete equipment solutions, continuous equipment solutions, local area network solutions, and wide area network solutions.

开放式平台

≡ 开放式宏程序设计-MACRO Open Macro Program Design - MACRO

兼容标准的CNC MACRO计算, 并开发指令重定义, 小数点重定义, 使非标运动客制化开发更方便。

Compatible with standard CNC MACRO calculations and developed instruction redefinition and decimal point redefinition, making non-standard motion customization development more convenient.

PREFETCH和REALTIME指令混合编程模式, 完美解决CNC MACRO不能实时化执行的缺点。

PREFETCH and REALTIME instruction hybrid programming mode perfectly solve the drawback of CNC MACRO's inability to execute in real-time.

		范例 Example
#*n	n为正整数 n is a positive integer	#*100
#*表达式 #* Expression	表达式为: Expression:	
	(1)数字 (1) Number	#*[100]
	(2)变量 (2) Variable	#*[#10]
	(3)运算式 (3) Arithmetic Expression	#*[#*1#2]
	(4)函数 (4) Function	#*[sin(#2)]

例程: 求1-100间奇数的和

Sample code: Calculate the sum of odd numbers between 1 and 100
O0095

#1=0;

解的初始值Initial value of the solution

#2=1;

加数的初始值Initial value of the addend

WHILE[#2 LE 100]DO1;

加数小于100时就执行循环体

Execute the loop body when the addend is less than 100

#1=#1+#2;

计算解Calculate the solution

#2=#2+2;

下一个奇数The next odd number

END 1;

跳转到循环体Jump to the loop body

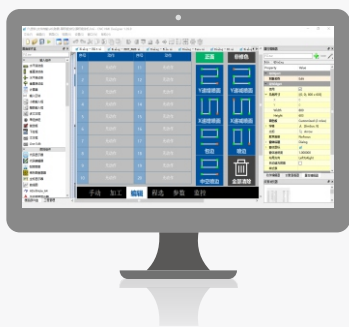
M30;

程序结束Program ends

※注: *表示“、”、“v”、“V”、“u”、“U”、“s”、“S”、“r”、“R”、“m”、“M”、“b”、“B”、“c”、“C”中的任何一个字符。比如: #1、#v1、#V1、#u1、#U1、#s1、#S1、#r1、#R1、#m1、#M1、#b1、#B1、#c1、#C1

※ Note: * represents any character from “、”, “v”, “V”, “u”, “U”, “s”, “S”, “r”, “R”, “m”, “M”, “b”, “B”, “c”, “C”. For example: #1, #v1, #V1, #u1, #U1, #s1, #S1, #r1, #R1, #m1, #M1, #b1, #B1, #c1, #C1.

≡ 开放式画面编辑软件-HMI Open-ended Screen Editor Software-HMI



※ 性能卓越 Outstanding Performance

扩充人机属性, 模组化插件设计
Expanded human-machine attributes, modular plug-in design

※ 高级技术 Advanced Technology

内嵌宏指令编辑, 实现复杂人机逻辑
Embedded macro instruction editing, realizing complex HMI logic

※ 升级便捷 Convenient Upgrades

可拓展插件技术令组态升级更方便
Extensible plugin technology makes configuration upgrades more convenient

※ 操作统一 Unified Operation

HMI、CNC、PLC同一平台执行
Execution on the same platform for HMI, CNC, and PLC

※ 开发便捷 Convenient Development

CNC、PLC、系统内嵌模块
Embedded modules for CNC and PLC systems

※ 客制化设计 Customized Design

为客户提供简单、实用的界面开发平台
Providing customers with a simple and practical interface development platform

≡ 简单易用编辑软件-PLC Easy to use Editing Software-PLC

※ 操作方便 User-friendly Operation

编辑方式简单易用
Easy and user-friendly editing methods

※ 功能齐全 Fully-Featured

支持梯形图、ST语言、C语言开发
Supports ladder diagram, ST language, and C language development

※ 模块化 Modularity

支持封装与调用自定义模块
Supports encapsulation and invocation of custom modules

※ 运行多样化 Versatility in Operation

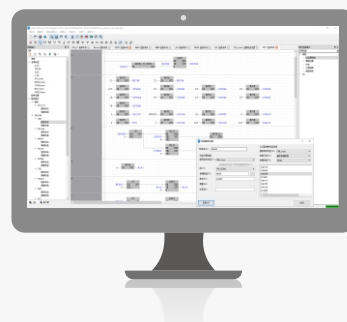
支持多通道独立PLC运行
Supports independent PLC operation in multiple channels

※ 速度提升 Speed Improvement

提供系统功能快速调用接口
EProvide quick access interfaces for system functions

※ 灵活运用 Flexible Application

支持调用系统内部模块
Support calling internal system modules



应用案例

≡ 一对一桁架 Single 1-to-1 Gantry

※应用 Application

标准一对一取放 Standard One-to-One Handling/Transfer

※特点 Features

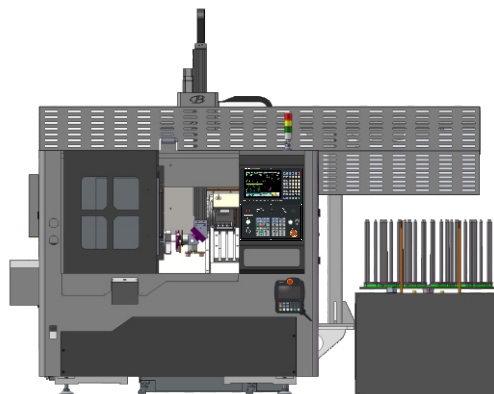
1. 2+1/3+1轴配置, 实现单机自动化取放;
 2. 伺服点阵料盘, 旋转料盘, 垂直料盘, 简易设置即可使用;
 3. 总线通讯连接亿达工具机, 减少IO配置。
- 1.2+1/3+1 axis configuration, enabling single-machine automated handling/transfer.
2.Servo-driven grid tray, rotating tray, vertical tray, easily set up for immediate use.
3.Bus communication to connect with Finger tool machines, reducing IO configuration.

※单臂2+1配置 Single-Arm Gantry with 2+1 Configuration

手持盒 + 电源板 + 三合一驱动 +16点IO板
Handheld Controller + Power Supply Module + Three-in-One Drive + 16-Point IO Module

※单臂3+1配置 Single-Arm Gantry with 3+1 Configuration

手持盒 + 电源板 + 四合一驱动 +16点IO板
Handheld Controller + Power Supply Module + Four-in-One Drive + 16-Point IO Module



机床取放一对一桁架 (2+1)
Machine Tool Handling with Single 2-to-1 Gantry (2+1 Configuration)

≡ 双臂桁架 Dual-Arm Gantry

※应用 Application

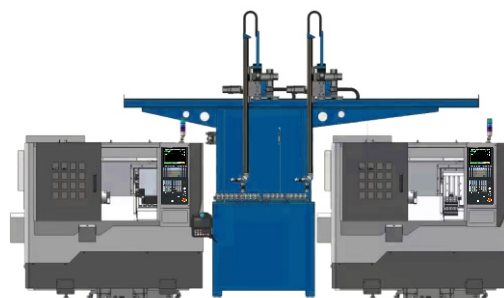
双手臂, 二对多取放
Dual-Arm Gantry with Two Arms Handling Multiple Operations

※特点 Features

1. 双臂协同工作, 满足多工序生产节拍;
 2. 支持干涉区示教, 多手臂进入自动避让。
- 1.Dual-arm collaboration to meet the production rhythm of multiple processes.
2.Supports teaching of interference zones, automatically avoiding collisions when multiple arms are in motion.

※双臂4+4配置 Dual-Arm Configuration: 4+4

手持盒 + 电源板 + 四合一驱动*2 +32点IO板
Handheld Controller + Power Supply Module + Four-in-One Drives * 2 + 32-Point IO Module



机床取放二对二桁架 (双臂桁架)
Machine Tool Handling with Dual-Arm Gantry (Double 2-to-2 Gantry)

≡ 一对多桁架 Single 1-to-Many Gantry

※应用 Application

产线整合, 一对多取放 Production Line Integration, One-to-Many Handling/Transfer

※特点 Features

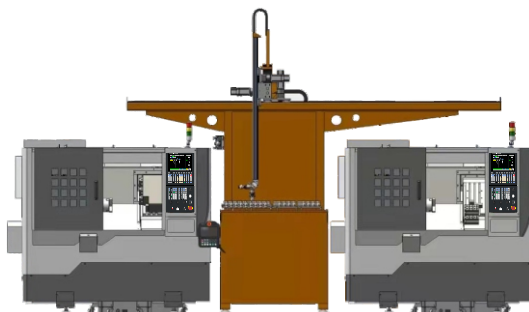
1. 2+0/2+1轴配置, 大行程桁架实现生产线自动化;
 2. 搭配双点阵料盘, 传送带, 清洗站, 自动换料盘, 满足产线整合需求。
1. 2+0/2+1 axis configuration, enabling large travel range gantry for production line automation.
2. Equipped with dual grid trays, conveyor belt, cleaning station, automatic tray change, meeting the requirements of production line integration.

※单臂2+0配置 Single-Arm Gantry with 2+0 Configuration

手持盒 + 电源板 + 二合一驱动 +32点IO板
Handheld Controller + Power Supply Module + Two-in-One Drive + 32-Point IO Module

※单臂2+1配置 Single-Arm Gantry with 2+1 Configuration

手持盒 + 电源板 + 三合一驱动 +32点IO板
Handheld Controller + Power Supply Module + Three-in-One Drive + 32-Point IO Module



机床取放一对二桁架 (分工序加工)
Machine Tool Handling with Single 2-to-1 Gantry (Sequential Processing)

参数名称 Parameter Name		机械手控制器 Robotic Arm Controller		参数名称 Parameter Name		机械手控制器 Robotic Arm Controller	
▶系统规格 System Specifications						●支持 ○不支持	
输入电压 Input Voltage		24V DC 24V DC		鼠标/键盘 Mouse/Keyboard		选配 Optional Accessories	
显示屏尺寸 Display Size		7寸 7-inch		预读单节数 Prefetching Units		8000节/秒 8000 b/s	
外壳材质 Casing Material		高强度耐腐蚀塑胶 High-Strength Corrosion-Resistant Plastic		最小控制单位 Minimum Control Unit		0.001mm 0.001mm	
最大支持通道 Maximum Supported Channels		2组 2 Sets		传输 Transmission		USB/LAN/WIFI USB/LAN/WIFI	
最大扩展轴数 Maximum Expandable Axes		9轴 9-axis		MES模块 MES Module		●(MODBUS协议、自由协议、SDK) ●(MODBUS Protocol, Proprietary Protocol, SDK)	
DA/AD DA/AD		外扩模组板（可拓展32组）14BIT External Expansion Module Board (Expandable up to 32 Sets) 14-Bit		加减速处理 Acceleration/Deceleration Control		S型加减速、Jerk控制 S-curve Acceleration/Deceleration, Jerk Control	
控制方式 Control Method		位置控制、速度控制、扭矩控制 Position Control, Speed Control, Torque Control		网络服务器 Network Server		●(多从站功能) ●(Multi-Slave Functionality)	
操作系统 Operating System		RT Linux RT Linux		WIFI通讯 Wi-Fi Communication		●(选配) ●(Optional Accessories)	
内存 Memory		2GB 2GB		总线功能 Bus Functionality		EtherCAT EtherCAT	
程式容量 Program Capacity		8GB 8GB		工业物联网（IoT） Industrial Internet of Things(IoT)		●	
I/O I/O		标准：16/16 最大扩展：512/512 Standard: 16/16 (inputs/outputs) Maximum Expandable: 512/512 (inputs/outputs)					
▶程序功能 Program function							
并行程式功能 Parallel Programming Functionality		●		对话式编程 Conversational Programming		●	
宏程序编程标准 Macro programming standards		Macro B Macro B		程序U盘传输 Program transfer via USB drive		●	
背景编程 Background programming		●		程序自动检错 Automatic program error checking		●	
编程指令（G代码） Programming instructions (G-codes)		遵循国际规范 Compliant with international standards					
▶倾斜平面 Tilted Plane							
倾斜轴加工 Tilted Axis Machining		●		倾斜平面加工 Tilted Plane Machining		●	

Appearance Display

外观展示

产品型号: TP-X1-B-N (7寸横式) Product Model: TP-X1-B-N(7-inch)



参数名称 Parameter Name	机械手控制器 Robotic Arm Controller	参数名称 Parameter Name	机械手控制器 Robotic Arm Controller
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►辅助功能 Auxiliary Functions

●支持 ○不支持

自定义开机画面 Custom startup screen	●	再启动功能 Restart Function	程序断点自动寻找再启动、自定义再启动 Program Breakpoint Auto Recovery and Restart, Customizable Restart
自定义G/M码 Custom G/M-code	●	权限管理 Authority Management	多级参数权限管理 Multi-level Parameter Permission Management
泛用轴扩展 Generic Axis Expansion	●(选配EtherCAT轴卡) ●(Optional EtherCAT Axis Card)	万年历锁机 Calendar Lock	●
其他扩展模块 Other Expansion Modules	ADC/DAC/温控 ADC/DAC/Temperature Control	轴向负载监控 Axis Load Monitoring	●
IO重定义功能 IO redefinition function	●	示波器功能 Oscilloscope Monitoring	实时监控系统命令及伺服回授曲线 Real-time Monitoring of System Commands and Servo Feedback Curves
DNC加工 DNC Machining	●	跟随误差检测 Following Error Detection	●
比例缩放 Proportional scaling	●	数据备份 Data Backup	程式备份、参数备份、参考点备份 Program Backup, Parameter Backup, Reference Point Backup
快速 G31 信号 Quick G31 Signal	○	保护功能 Protection Functions	安全门、软硬极限、安全区保护、扭矩保护 Safety Door, Soft/Hard Limits, Safety Zone Protection, Torque Protection
多功能手轮 Multi-function Handwheel	●	密码保护 Password Protection	完整的密码保护, 使用更安全 Comprehensive Password Protection for Enhanced Security
手轮预测 Handwheel Prediction	●手轮预测/回退功能 ●Handwheel Predictive/Backlash Function	断电保存参数 Power-off Parameter Retention	●
图形仿真 Graphic Simulation	程式执行前图形预览, 程式执行中动态描图 Graphical Preview Before Program Execution, Dynamic Plotting During Program Execution		

►补偿功能 Compensation Functionality

☑高速高精 High-Speed and High-Precision

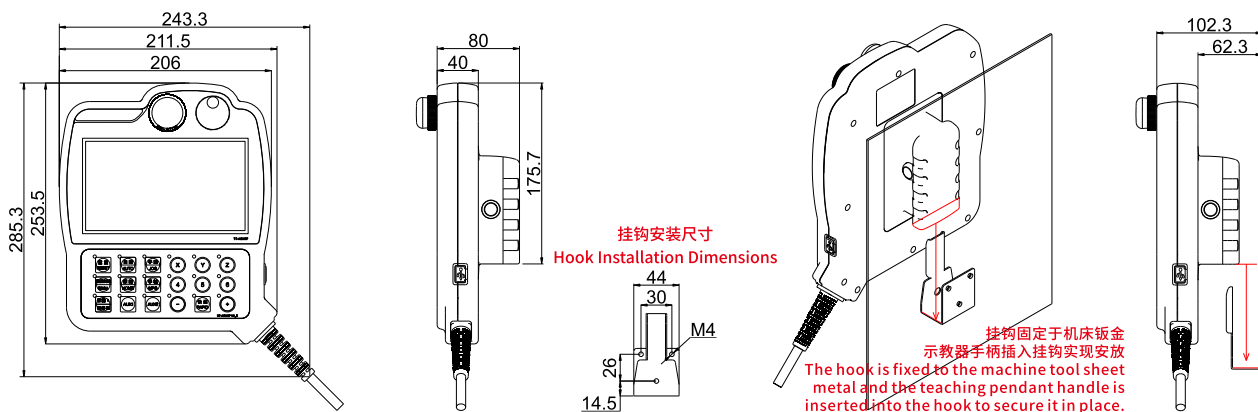
锥度补偿 Taper Compensation	●	JERK控制 JERK Control	●
反向间隙补偿 Backlash Compensation	●	自动转角速度控制 Automatic Cornering Speed Control	●
圆弧尖角补偿 Arc Corner Compensation	●	圆弧速度限制 Arc Speed Limitation/Control	●
前馈补偿 Feedforward Compensation	●	NURBS拟合 NURBS Fitting	●

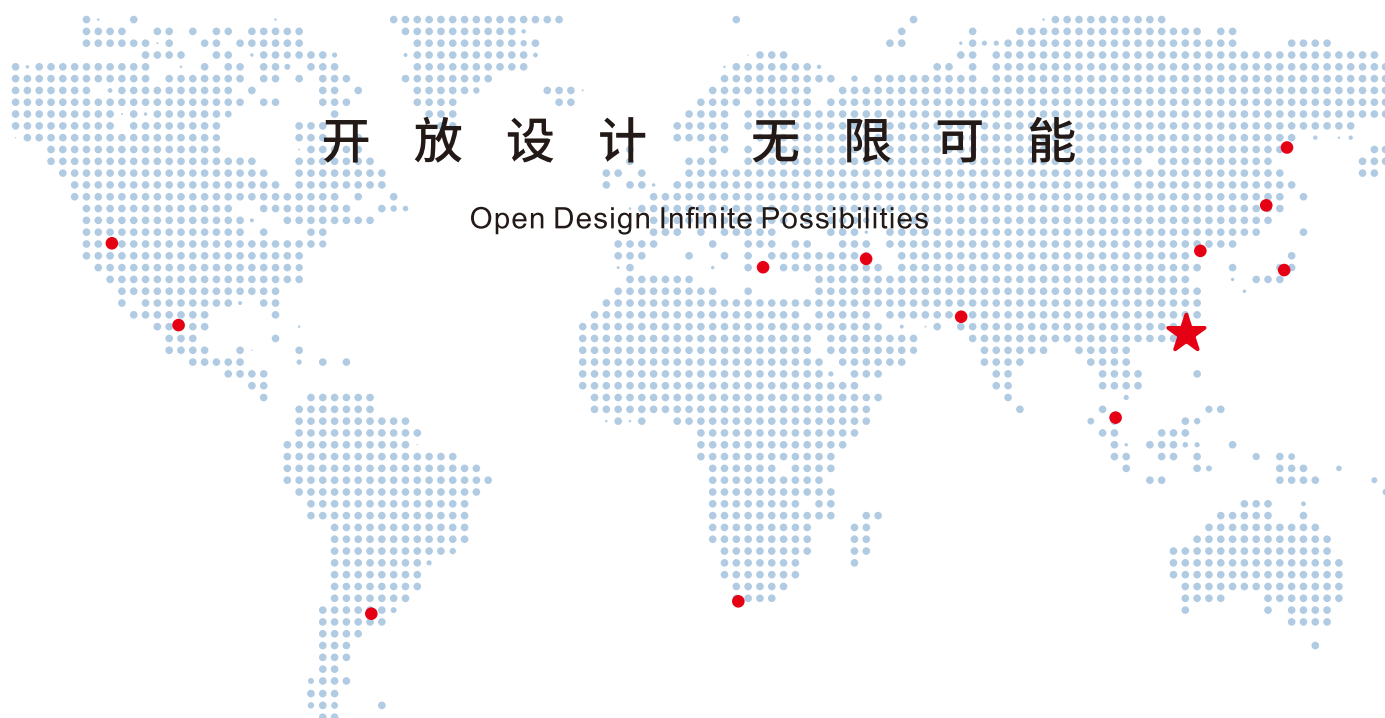
►多通道 Multi-Channel

多通道功能 Multi-Channel Functionality	●(选配) ●(Optional Accessories)
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Installation Dimensions

安装尺寸





服务网点 Service Network

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