



集思智能

JISI INTELLIGENT EQUIPMENT



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产品手册

Product Catalog

企业荣誉 Corporate Honors



公司介绍 Company presentation

Shandong Jisi Intelligent Equipment Co., Ltd., established in 2016 and located in Jinan, Shandong Province, China, is an intelligent equipment manufacturer specializing in intelligent welding, robotic applications, and industrial automation. Our product portfolio includes collaborative robotic welding systems, no-teaching intelligent welding systems, mobile and rail-mounted welding robots, robotic welding workstations, welding positioners, automated loading and unloading systems, and CNC machine tools. We also provide comprehensive services covering process evaluation, solution design, customized automation, system integration, installation and commissioning, and technical support. Driven by technological innovation and customer needs, JISI is committed to providing manufacturers worldwide with efficient, reliable, intelligent, and flexible automation solutions, helping customers improve productivity, enhance manufacturing quality, and advance toward smarter manufacturing. Make Welding Simpler · Make Manufacturing Smarter.

企业文化 Company Culture

公司
定位
Company
Position
愿景
使命
Vision &
Mission

专注智能焊接与柔性自动化解决方案

Focused on intelligent welding and flexible automation solutions.

成为全球值得信赖的智能装备解决方案提供商

To become a globally trusted provider of intelligent equipment solutions.

经营
理念
Corporate
Mission

客户为先、品质为本、创新驱动、合作共赢

Customer First · Quality Driven · Innovation Led · Win-Win Cooperation

核心
价值观
Core
Values

诚信、专业、创新、担当、协作、共赢

Integrity · Professionalism · Innovation · Responsibility · Collaboration · Win-Win

精神
信仰
Corporate
Spirit

集众智以精进，思致远而智造

United by Wisdom, Driven by Excellence; Thinking Ahead, Manufacturing Smarter.

01 协作机器人焊接系统

Collaborative Robot Welding System



产品特点

Product Features

- . 应用工件 & 领域 | Workpieces & Application Fields
- 工程机械、农机、汽车、钢结构、造船、等各类焊接结构工件
- construction machinery, agricultural machinery, automotive tubes, steel structures, shipbuilding and other types of welded assemblies
- . 解决痛点 | Challenges & Solutions
- . 技术焊工短缺、人力成本高、人工焊接质量不稳定。
- Shortage of Skilled Welders · High Labor Costs · Inconsistent Welding Quality.
- . 解决方案 | Solution
- 柔性协作焊接工作站，无需复杂定制工装，支持快速换型、简单拖拽免编程。
- Flexible collaborative welding with quick changeover, easy teaching and corner welding, without complex customized fixtures.
- . 核心价值 | Benefits
- 降低焊工技能依赖 · 稳定焊缝质量 · 提高预制产能 · 适应多品种生产 传承 成熟的焊接工艺
- Reduce Dependence on Skilled Welders · Ensure Consistent Weld Quality · Increase Productivity · Support High-Mix Production · Preserve Proven Welding Processes.

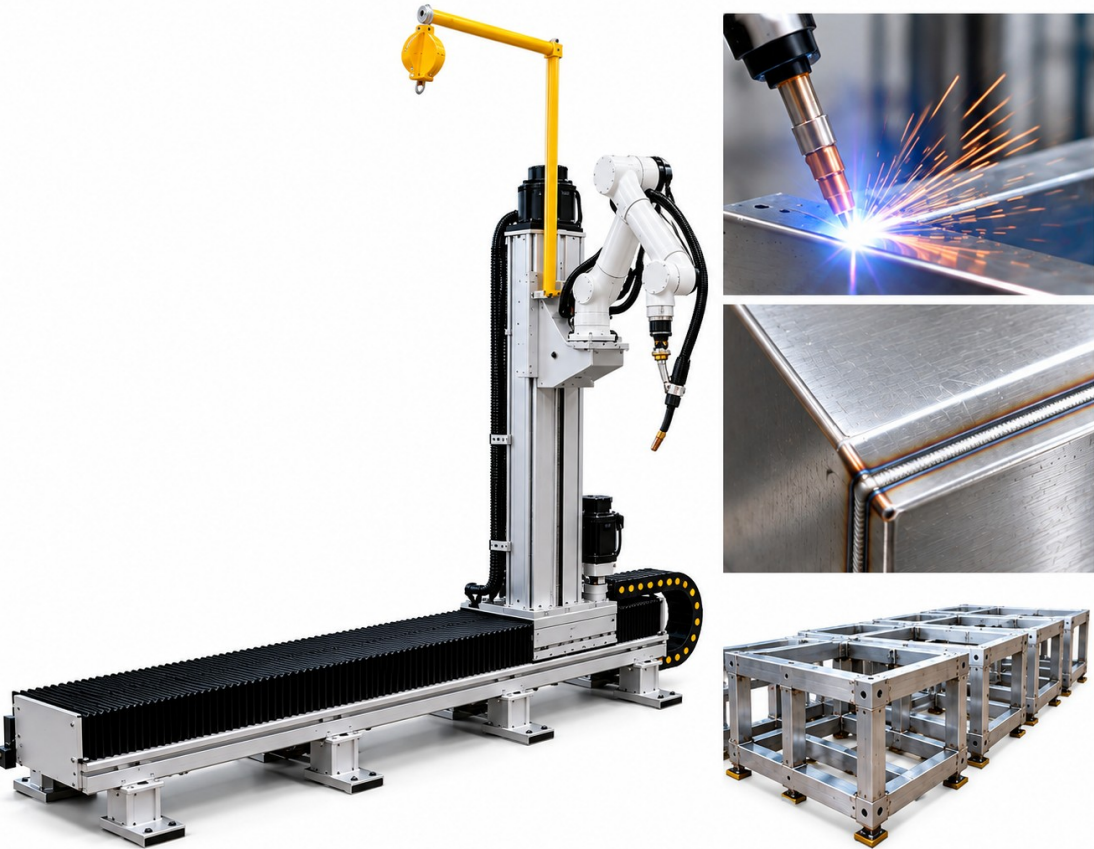
产品参数

Product Specifications

设备名称 Equipment Name	品牌 Brand	型号 Model	负载 Payload	工作半径 Working Radius	备注 Remarks
6轴机器人 6-Axis Robot	珞石 ROKAE	SR3-3/0.7C	3kg	705mm	标配示教器，拖动示教，图形化界面，选配磁吸底座，二次开发焊接工艺包。 Standard teach pendant, drag teaching, graphical interface, optional magnetic base, secondary development of welding process package.
		SR5-5/0.9C	5kg	919mm	
		CR7-7/0.98C	7kg	988mm	
		CR5-5/1.4C	5kg	1406mm	
		CR12-12/1.4C	12kg	1434mm	
		CR20-20/1.8C	20kg	1798mm	
设备名称 Equipment Name	品牌 Brand	型号 Model	焊接方式 Welding Mode	输入 Input	通讯方式 Communication
焊机 Welding Power Source	奥太 AOTAI	NBC-350	恒压 Constant Voltage	三相380V 3Phase 380V	EtherCAT
		NBC-350RP Plus	恒压/脉冲 Constant Voltage / Pulse		
		NBC-500RP Plus	恒压/脉冲 Constant Voltage / Pulse		
设备名称 Equipment Name	品牌 Brand	型号 Model	散热力 Cooling Capacity	水泵功率 Water Pump Power	最大压力/扬程/容量 Max. Pressure / Lift / Capacity
水箱 Water Tank	JS订制 JS Custom	WRC-300C	1.7KW (1L/min)	370kw	0.9MPa/60Hz/9L
焊枪 Welding Gun	JS订制 JS Custom	AS02501W	标配3m可定制 Standard 3m (Customizable)	空冷/水冷 Air Cooling / Water Cooling	--
移动车 Mobile Cart	JS订制 JS Custom	JSR-006	--	尺寸可订制 Customizable Size	颜色可订制 Customizable Color

01-1 行走升降式协作焊接机器人

Moblie Lifting Collaborative Welding Robots



产品特点

Product Features

- 大范围作业 | Extended Working Range
- 行走与升降联动，扩大机器人焊接覆盖范围。
- Traveling and lifting axes extend the robot's welding range.
- 灵活定位 | Flexible Positioning
- 可根据工件位置快速调整焊接高度与作业位置。
- Flexible adjustment of welding height and working position.
- 稳定运行 | Stable Operation
- 高刚性结构与精密导轨，保证运行平稳、定位可靠。
- Rigid structure and precision rails ensure smooth and reliable positioning
- 提升效率 | Higher Productivity
- 减少人工移动及重复调整，提高连续焊接效率。
- Reduces manual repositioning and improves continuous welding efficiency.
- 适用大型工件 | Ideal for Large Workpieces
- 适用于钢结构、箱体、框架及大型金属构件焊接。
- Ideal for steel structures, frames, boxes and large metal components.

产品参数

Product Specifications

设备名称 Equipment Name	品牌 Brand	型号 Model	负载 Payload	工作半径 Working Radius	备注 Remarks	
6轴机器人 6-Axis Robot	珞石 ROKAE	SR3-3/0.7C	3kg	705mm	标指示教器，拖动示教，图形化界面，选配磁吸底座，二次开发焊接工艺包。 Standard teach pendant, drag teaching, graphical interface, optional magnetic base, secondary development of welding process package.	
		SR5-5/0.9C	5kg	919mm		
		CR7-7/0.98C	7kg	988mm		
		CR5-5/1.4C	5kg	1406mm		
		CR12-12/1.4C	12kg	1434mm		
		CR20-20/1.8C	20kg	1798mm		
设备名称 Equipment Name	品牌 Brand	型号 Model	焊接方式 Welding Mode	输入 Input	通讯方式 Communication	
焊机 Welding Power Source	奥太 AOTAI	NBC-350	恒压 Constant Voltage	三相380V 3Phase 380V	EtherCAT	
		NBC-350RP Plus	恒压/脉冲 Constant Voltage / Pulse			
		NBC-500RP Plus	恒压/脉冲 Constant Voltage / Pulse			
设备名称 Equipment Name	品牌 Brand	型号 Model	散热力 Cooling Capacity	水泵功率 Water Pump Power	最大压力/扬程/容量 Max. Pressure / Lift / Capacity	备注 Remarks
水箱 Water Tank	JS订制 JS Custom	WRC-300C	1.7KW (1L/min)	370kw	0.9MPa/60Hz/9L	—
焊枪 Welding Gun	JS订制 JS Custom	AS02501W	标配3m可定制 Standard 3m (Customizable)	空冷/水冷 Air Cooling / Water Cooling	--	—
行走升降 Traveling and Lifting	--	--	6+2 轴 地轨长 8m 升降轴长 3m 均可定制 6+2 axes, track length 8m, lifting axis stroke 3m, all customizable.			—

01-2 悬吊龙门协作机器人

Gantry Mounted CollaborativeWelding Robots



产品特点

Product Features

大范围覆盖 | Extended Working Range
龙门移动结构，大幅扩展机器人焊接范围。
Gantry system extends the robot's welding coverage.

• 悬吊式设计 | Overhead-Mounted Design
机器人悬吊安装，减少地面空间占用。
Overhead mounting saves valuable floor space.

• 灵活定位 | Flexible Positioning
可沿龙门移动，灵活适应不同焊接位置。
Flexible movement enables easy positioning across different weld areas.

• 高效稳定 | Efficient & Stable
适合连续焊接作业，提高生产效率与焊接一致性。
Designed for continuous welding with improved efficiency and consistency

• 大型工件适配 | Ideal for Large Workpieces
适用于钢结构、框架及大型金属构件焊接。
Ideal for steel structures, frames and large metal components.

产品参数

Product Specifications

设备名称 Equipment Name	品牌 Brand	型号 Model	负载 Payload	工作半径 Working Radius	备注 Remarks
6轴机器人 6-Axis Robot	珞石 ROKAE	SR3-3/0.7C	3kg	705mm	标配示教器，拖动示教，图形化界面，选配磁吸底座，二次开发焊接工艺包。 Standard teach pendant, drag teaching, graphical interface, optional magnetic base, secondary development of welding process package.
		SR5-5/0.9C	5kg	919mm	
		CR7-7/0.98C	7kg	988mm	
		CR5-5/1.4C	5kg	1406mm	
		CR12-12/1.4C	12kg	1434mm	
		CR20-20/1.8C	20kg	1798mm	
设备名称 Equipment Name	品牌 Brand	型号 Model	焊接方式 Welding Mode	输入 Input	通讯方式 Communication
焊机 Welding Power Source	奥太 AOTAI	NBC-350	恒压 Constant Voltage	三相380V 3Phase 380V	EtherCAT
		NBC-350RP Plus	恒压/脉冲 Constant Voltage / Pulse		
		NBC-500RP Plus	恒压/脉冲 Constant Voltage / Pulse		
设备名称 Equipment Name	品牌 Brand	型号 Model	散热力 Cooling Capacity	水泵功率 Water Pump Power	最大压力/扬程/容量 Max. Pressure / Lift / Capacity
水箱 Water Tank	JS订制 JS Custom	WRC-300C	1.7KW (1L/min)	370kw	0.9MPa/60Hz/9L
焊枪 Welding Gun	JS订制 JS Custom	AS02501W	标配3m可定制 Standard 3m (Customizable)	空冷/水冷 Air Cooling / Water Cooling	--
龙门 Gantry	--	--	6+2 轴 龙门4m 升降轴3m 可定制 6+2 axes, gantry 4m, lifting axis stroke 3m, customizable.		

01-3 轻型小地轨协作焊接机器人
Light-duty small Ground rail Welding Robot



产品特点
Product Features

- 扩展作业范围 | Extended Working Range
小型地轨扩展机器人移动行程，覆盖更长工件。
Compact rail system extends the robot's working range for longer workpieces.
- 结构紧凑 | Compact Design
轻量化地轨设计，占地小，方便产线布局。
Compact and lightweight design saves valuable floor space.
- 灵活定位 | Flexible Positioning
机器人可沿地轨移动，快速适应不同焊接位置。
Rail-mounted movement enables flexible positioning across weld areas.
- 高效稳定 | Efficient & Stable
提高连续焊接效率，保持稳定的焊接质量。
Improves continuous welding efficiency and maintains consistent weld quality.
- 灵活应用 | Flexible Applications
适用于长梁、框架及中小型金属构件焊接。
Ideal for beams, frames and small-to-medium metal components.

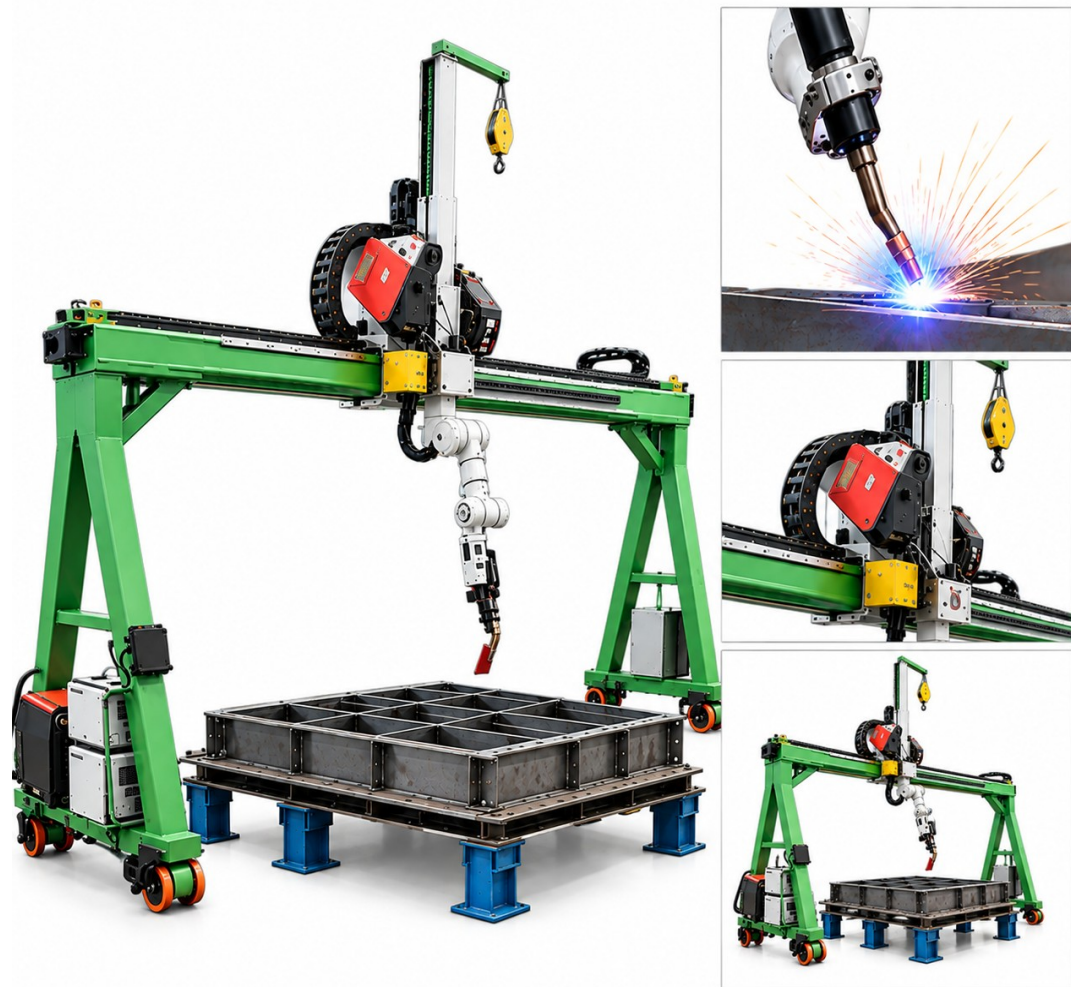
产品参数
Product Specifications

设备名称 Equipment Name	品牌 Brand	型号 Model	负载 Payload	工作半径 Working Radius	备注 Remarks
6轴机器人 6-Axis Robot	珞石 ROKAE	SR3-3/0.7C	3kg	705mm	标配示教器，拖动示教， 图形化界面，选配磁吸底座， 二次开发焊接工艺包。
		SR5-5/0.9C	5kg	919mm	
		CR7-7/0.98C	7kg	988mm	
		CR5-5/1.4C	5kg	1406mm	Standard teach pendant, drag teaching, graphical interface, optional magnetic base, secondary development of welding process package.
		CR12-12/1.4C	12kg	1434mm	
		CR20-20/1.8C	20kg	1798mm	

设备名称 Equipment Name	品牌 Brand	型号 Model	焊接方式 Welding Mode	输入 Input	通讯方式 Communication
焊机 Welding Power Source	奥太 AOTAI	NBC-350	恒压 Constant Voltage	三相380V 3Phase 380V	EtherCAT
		NBC-350RP Plus	恒压/脉冲 Constant Voltage / Pulse		
		NBC-500RP Plus	恒压/脉冲 Constant Voltage / Pulse		

设备名称 Equipment Name	品牌 Brand	型号 Model	散热力 Cooling Capacity	水泵功率 Water Pump Power	最大压力/扬程/容量 Max. Pressure / Lift / Capacity
水箱 Water Tank	JS订制 JS Custom	WRC-300C	1.7KW (1L/min)	370kw	0.9MPa/60Hz/9L
焊枪 Welding Gun	JS订制 JS Custom	AS02501W	标配3m可定制 Standard 3m (Customizable)	空冷/水冷 Air Cooling / Water Cooling	--
轻型小地轨 Light-duty Track	--	--	6+1轴 2m磁吸式地轨 无需固定 即装即用 部署方便 6+1 axes, 2m magnetic track, no need for fixing, ready to use, easy deployment.		--

01-4 移动式协作焊接机器人
Mobile Collaborative Welding Robot



产品特点

Product Features

灵活移动 | Flexible Mobility

移动式结构，可快速切换不同焊接工位。

Mobile design enables quick relocation between welding stations.

• 大范围覆盖 | Extended Working Range

龙门移动与机器人协同，扩大焊接作业范围。

Mobile gantry system extends the robot's welding coverage.

• 快速部署 | Easy Deployment

无需固定安装，可根据生产需求灵活调整位置。

Flexible setup allows easy repositioning for changing production needs.

• 高效稳定 | Efficient & Stable

支持连续自动焊接，提高效率与焊接一致性。

Supports continuous automated welding for higher productivity and consistency.

• 大型工件适配 | Ideal for Large Workpieces

适用于钢结构、框架及大型金属构件焊接。

Ideal for steel structures, frames and large metal components.

产品参数

Product Specifications

设备名称 Equipment Name	品牌 Brand	型号 Model	负载 Payload	工作半径 Working Radius	备注 Remarks
6轴机器人 6-Axis Robot	珞石 ROKAE	SR3-3/0.7C	3kg	705mm	标配示教器，拖动示教， 图形化界面，选配磁吸底座， 二次开发焊接工艺包。 Standard teach pendant, drag teaching, graphical interface, optional magnetic base, secondary development of welding process package.
		SR5-5/0.9C	5kg	919mm	
		CR7-7/0.98C	7kg	988mm	
		CR5-5/1.4C	5kg	1406mm	
		CR12-12/1.4C	12kg	1434mm	
		CR20-20/1.8C	20kg	1798mm	

设备名称 Equipment Name	品牌 Brand	型号 Model	焊接方式 Welding Mode	输入 Input	通讯方式 Communication
焊机 Welding Power Source	奥太 AOTAI	NBC-350	恒压 Constant Voltage	三相380V 3Phase 380V	EtherCAT
		NBC-350RP Plus	恒压/脉冲 Constant Voltage / Pulse		
		NBC-500RP Plus	恒压/脉冲 Constant Voltage / Pulse		

设备名称 Equipment Name	品牌 Brand	型号 Model	散热力 Cooling Capacity	水泵功率 Water Pump Power	最大压力/扬程/容量 Max. Pressure / Lift / Capacity	备注 Remarks
水箱 Water Tank	JS订制 JS Custom	WRC-300C	1.7KW (1L/min)	370kw	0.9MPa/60Hz/9L	—
焊枪 Welding Gun	JS订制 JS Custom	AS02501W	标配3m可定制 Standard 3m (Customizable)	空冷/水冷 Air Cooling / Water Cooling	--	—
移动龙门 Mobile Gantry	--	--	6+2+1 轴 移动龙门4m 升降轴3m 可定制 6+2+1 axes, mobile gantry 4m, lifting axis stroke 3m, customizable.			—

01-5 重型多龙门协作焊接机器人
Heavy-duty Multi-gantry Collaborative Welding Robot



产品特点

Product Features

多机器人协同 | Multi-Robot Collaboration

多台机器人同步作业，大幅提升焊接效率。

Multiple robots work simultaneously to significantly improve welding efficiency.

• 大范围覆盖 | Extended Working Range

重型龙门结构覆盖大型、长尺寸工件。

Heavy-duty gantry structure provides extensive coverage for large workpieces.

• 高效批量生产 | High-Volume Production

支持多工位连续焊接，适合规模化生产。

Supports continuous multi-station welding for high-volume production

• 稳定可靠 | Stable & Reliable

高刚性结构设计，确保长期连续稳定运行。

Rigid structure ensures stable and reliable continuous operation.

• 大型工件适配 | Ideal for Large Workpieces

适用于钢结构、工程机械及大型金属构件焊接。

Ideal for steel structures, construction machinery and large metal components. :

产品参数

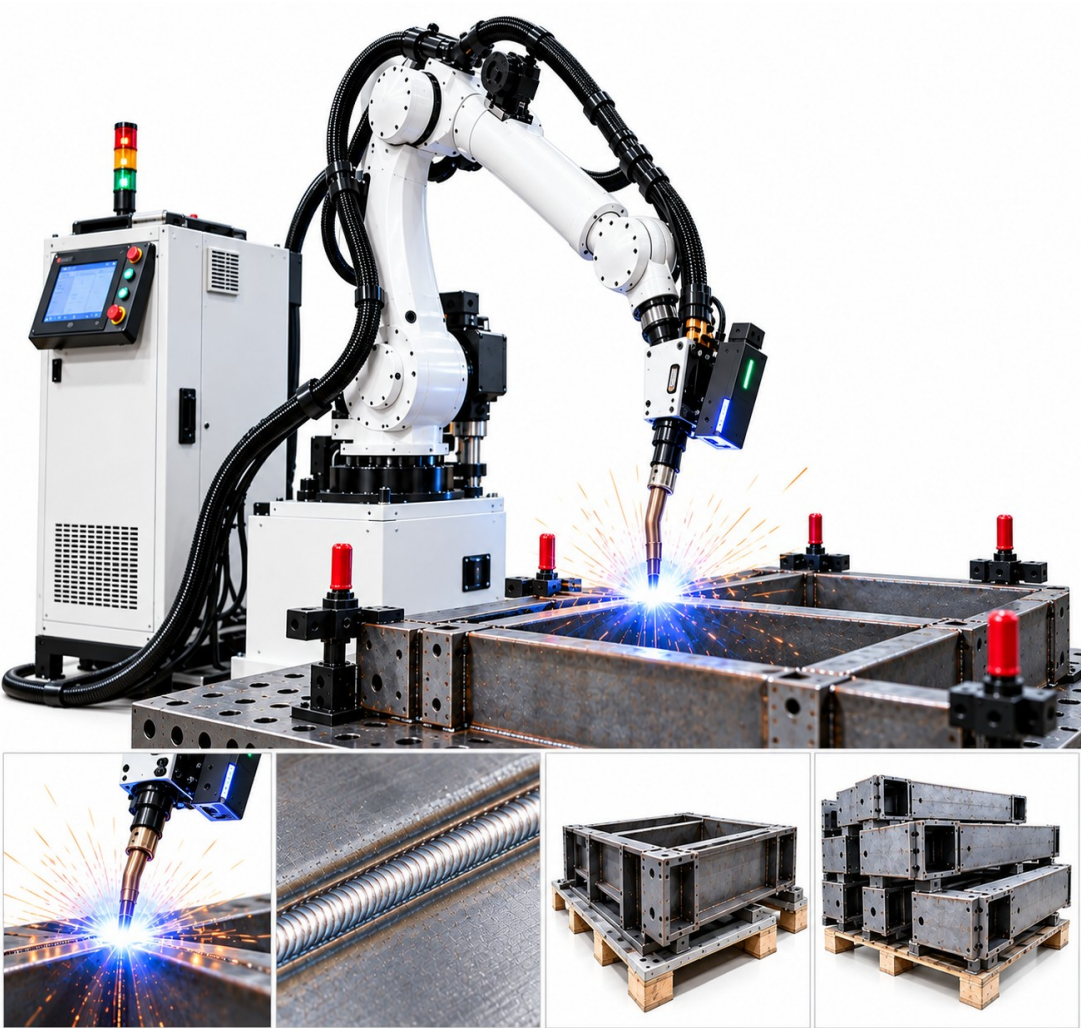
Product Specifications

设备名称 Equipment Name	品牌 Brand	型号 Model	负载 Payload	工作半径 Working Radius	备注 Remarks
6轴机器人 6-Axis Robot	珞石 ROKAE	SR3-3/0.7C	3kg	705mm	标配示教器，拖动示教， 图形化界面，选配磁吸底座， 二次开发焊接工艺包。 Standard teach pendant, drag teaching, graphical interface, optional magnetic base, secondary development of welding process package.
		SR5-5/0.9C	5kg	919mm	
		CR7-7/0.98C	7kg	988mm	
		CR5-5/1.4C	5kg	1406mm	
		CR12-12/1.4C	12kg	1434mm	
		CR20-20/1.8C	20kg	1798mm	

设备名称 Equipment Name	品牌 Brand	型号 Model	焊接方式 Welding Mode	输入 Input	通讯方式 Communication
焊机 Welding Power Source	奥太 AOTAI	NBC-350	恒压 Constant Voltage	三相380V 3Phase 380V	EtherCAT
		NBC-350RP Plus	恒压/脉冲 Constant Voltage / Pulse		
		NBC-500RP Plus	恒压/脉冲 Constant Voltage / Pulse		

设备名称 Equipment Name	品牌 Brand	型号 Model	散热力 Cooling Capacity	水泵功率 Water Pump Power	最大压力/扬程/容量 Max. Pressure / Lift / Capacity	备注 Remarks
水箱 Water Tank	JS订制 JS Custom	WRC-300C	1.7KW (1L/min)	370kw	0.9MPa/60Hz/9L	—
焊枪 Welding Gun	JS订制 JS Custom	AS02501W	标配3m可定制 Standard 3m (Customizable)	空冷/水冷 Air Cooling / Water Cooling	--	—
多机协同 Multi-Machine Collaboration	--	--	多机协同 8m可定制，遥控移动，无需固定地基 Remote mobile, no need for fixed foundation.			—

02 免示教焊接机器人 Teach-Free WeldingRobot



产品特点

Product Features

- 免示教编程 | No-Teaching Programming
减少传统人工示教，提高换产效率。
Reduces manual teaching and improves changeover efficiency.
- 智能焊缝识别 | Intelligent Seam Recognition
自动识别焊缝位置，快速完成焊接定位。
Automatically detects weld seams for fast and accurate positioning.
- 自动轨迹生成 | Automatic Path Generation
根据工件及焊缝信息自动生成焊接轨迹。
Automatically generates welding paths based on seam data.
- 灵活适应工件 | Flexible Workpiece Adaptation
适合多品种、小批量及频繁换型生产。
Ideal for high-mix, low-volume and frequent product changeovers.
- 高效稳定焊接 | Efficient & Consistent Welding
提升生产效率与焊接一致性，降低对熟练操作人员的依赖。
Improves productivity and weld consistency while reducing operator dependency.

产品参数

Product Specifications

参数表 Technical Parameters			型号 Model: SA12/2000H		
项目 Item		参数 Parameter	项目 Item		参数 Parameter
构造 Structure	垂直多关节 / 手腕中空 Vertical multi-joint / Hollow wrist		关节允许负载扭矩 Allowable Joint Load Torque	J4	16.1 N·m
关节数 Number of Axes	6			J5	16.1 N·m
驱动方式 Drive Mode	交流驱动 AC servo drive			J6	5.9 N·m
最大工作半径 Max. Working Radius	2012 mm		关节允许负载惯量 Allowable Joint Load Inertia	J4	0.63 kg·m²
重复定位精度 Repeat Positioning Accuracy	±0.05 mm			J5	0.63 kg·m²
最大手腕负载 Max. Wrist Payload	12 kg			J6	0.061 kg·m²
本体重量 Body Weight	210 kg		气管配置 Pneumatic Configuration		1-Φ6 mm 1-Φ8 mm
IP防护等级 IP Protection Level	本体 IP54 (手腕 IP67) Body IP54 (Wrist IP67)		本体集成信号线 Integrated Signal Lines		16芯 / 16 cores
最大工作速度 Max. Working Speed	J1	190°/s	安装方式 Installation Method		地面、壁挂、倒挂 Floor-mounted, wall-mounted, inverted mounting
	J2	190°/s			
	J3	220°/s			
	J4	430°/s	工作环境 Working Environment	环境温度 Ambient Temperature	0 ~ 45℃
	J5	450°/s		环境湿度 Ambient Humidity	≤75%RH (短期95%RH) 无结露 ≤75%RH (short-term up to 95%RH), no condensation
	J6	720°/s		振动要求 Vibration Requirement	0.5G (4.9 m/s²) 以下 ≤0.5G (4.9 m/s²)
最大运动范围 Max. Motion Range	J1	±165°			
	J2	~-80° ~ +163°			
	J3	摆动: +80° ~ -193° Swing: +80° ~ -193°	焊接: +80° ~ -80° Welding: +80° ~ -80°		
	J4	±190°			
	J5	±130°			
	J6	摆动: ±450° Swing: ±450°	焊接: ±220° Welding: ±220°		
		噪声级别 Noise Level		≤80 dB (A)	
		常用应用方向 Typical Applications		焊接、上下料、装配 Welding, loading & unloading, assembly	

03 激光焊接机器人
Laser Welding Robot



产品特点
Product Features

高速焊接 | High-Speed Welding
激光能量集中，焊接速度快，有效提升生产效率。
Concentrated laser energy enables high-speed welding and higher productivity.

高精度焊接 | High-Precision Welding
精准控制焊接轨迹，适用于高质量焊接应用。
Precise path control ensures accurate and high-quality welding.

热影响小 | Low Heat Input
热影响区域小，有效减少工件变形。
Low heat input minimizes the heat-affected zone and workpiece distortion.

焊缝美观 | Clean Weld Appearance
焊缝均匀、平整，减少后续打磨处理。
Produces smooth, uniform welds with less post-weld finishing.

自动化生产 | Automated Production
机器人与激光系统集成，实现稳定、高效的自动化焊接。
Integrated robotic laser system enables stable and efficient automated welding.

产品参数
Product Specifications

参数 / Parameter	规格 Specification
机器人轴数 / Robot Axes	6轴 / 6 Axes
激光功率 / Laser Power	1000–3000 W（可选 / Optional）
激光类型 / Laser Type	光纤激光器 / Fiber Laser
焊接速度 / Welding Speed	0–120 mm/s（视工艺而定 / Depending on application）
重复定位精度 / Repeatability	±0.05 mm
焊接方式 / Welding Mode	连续焊 / 点焊 / Continuous / Spot Welding
适用材料 / Applicable Materials	碳钢、不锈钢、镀锌板等 / Carbon Steel, Stainless Steel, Galvanized Steel, etc.
冷却方式 / Cooling Method	水冷 / Water Cooling
控制方式 / Control Mode	机器人自动控制 / Automatic Robotic Control
焊缝跟踪 / Seam Tracking	视觉/激光跟踪（选配） / Vision/Laser Tracking (Optional)
工作电源 / Power Supply	AC 380 V / 50 Hz
应用领域 / Applications	钣金、箱体、机架及金属结构件 / Sheet Metal, Cabinets, Frames & Metal Structures

04 管道焊接机器人

Pipe Welding Robot



产品特点

Product Features

自动环缝焊接 | Automatic Circumferential Welding

实现管件环缝自动化焊接，提高作业效率。

Automates circumferential pipe welding for higher productivity.

• 稳定焊接品质 | Consistent Weld Quality

保持稳定的焊接速度与工艺参数，提升焊缝一致性。

Maintains stable welding speed and parameters for consistent weld quality.

• 精准旋转控制 | Precise Rotation Control

工件稳定旋转，实现连续、均匀的环境缝焊接。

Precise workpiece rotation enables smooth and uniform circumferential welding.

• 多规格适配 | Flexible Pipe Sizes

可根据不同管径及工件需求灵活配置。

Flexible configuration for different pipe diameters and applications.

• 高效生产 | Higher Productivity

减少人工操作，提高管件批量焊接效率。

Reduces manual operation and improves pipe welding productivity.

产品参数

Product Specifications

技术参数 / Technical Specifications

项目 / Item	M77	M130	M180	M230	M320
可焊材质 / Weldable Material	碳钢、不锈钢、合金钢 Carbon Steel, Stainless Steel, Alloy Steel	碳钢、不锈钢、合金钢 Carbon Steel, Stainless Steel, Alloy Steel	碳钢、不锈钢、合金钢 Carbon Steel, Stainless Steel, Alloy Steel	碳钢、不锈钢、合金钢 Carbon Steel, Stainless Steel, Alloy Steel	碳钢、不锈钢、合金钢 Carbon Steel, Stainless Steel, Alloy Steel
可焊管径 (mm) Weldable Pipe Diameter (mm)	Φ190.5~Φ77mm	Φ88.1~Φ130mm	Φ50.8~Φ180mm	Φ120~Φ330mm	Φ150~Φ324mm
焊接壁厚 / Welding Wall Thickness	Φ2.4、Φ3.2	Φ2.4、Φ3.2	Φ2.4、Φ3.2	Φ2.4、Φ3.2	Φ2.4、Φ3.2
旋转速度 (rpm) / Rotation Speed (rpm)	0.19~3.8	0.11~2.2	0.09~1.8	0.05~1.0	0.026~0.52
保护气体 / Shielding Gas	氩气 / Argon	氩气 / Argon	氩气 / Argon	氩气 / Argon	氩气 / Argon
冷却方式 / Cooling Method	水冷 / Water Cooling	水冷 / Water Cooling	水冷 / Water Cooling	水冷 / Water Cooling	水冷 / Water Cooling
冷却流量 (ml/min) / Cooling Flow Rate (ml/min)	≥600	≥600	≥600	≥600	≥600
焊接速度 (mm/min) / Welding Speed (mm/min)	20	40	40	40	40
弧长高度 (mm) / Arc Length Height (mm)	40	40	40	40	40
摆动宽度精度 / Weaving Width Accuracy	≤5%	≤5%	≤5%	≤5%	≤5%
摆动速度范围 / Weaving Speed Range	0~40mm/s	0~40mm/s	0~40mm/s	0~40mm/s	0~40mm/s
焊丝直径 (mm) / Wire Diameter (mm)	根据使用4in(100mm)1kg 标准丝盘，焊丝直径Φ1.0（可选）。 / Based on 4in (100mm) 1kg standard wire spool, wire diameter Φ1.0 (optional).				
最大送丝速度 (mm/min) Max. Wire Feeding Speed (mm/min)	0~6000mm/min	0~6000mm/min	0~6000mm/min	0~6000mm/min	0~6000mm/min
A (mm)	220	300	492	540	550
B (mm)	180	235	299	309	315
C (mm)	112~82	155~156	145~185	180~220	230~270
D (mm)	92	165	204	236	297
E (mm)	82	132	182	232	328
F (mm)	320	400	562	580	680
重量 (kg) / Weight (kg)	5.5 (不含电极) 5.5 (Without Electrode)	10.8 (不含电极) 10.8 (Without Electrode)	24 (不含电极) 24 (Without Electrode)	25 (不含电极) 25 (Without Electrode)	36 (不含电极) 36 (Without Electrode)
外形尺寸 (mm) / Overall Dimensions (mm)	370×220×400	410×300×405	455×492×562	460×540×580	420×610×680

05 坡口切割机
Bevel Cutting Machine



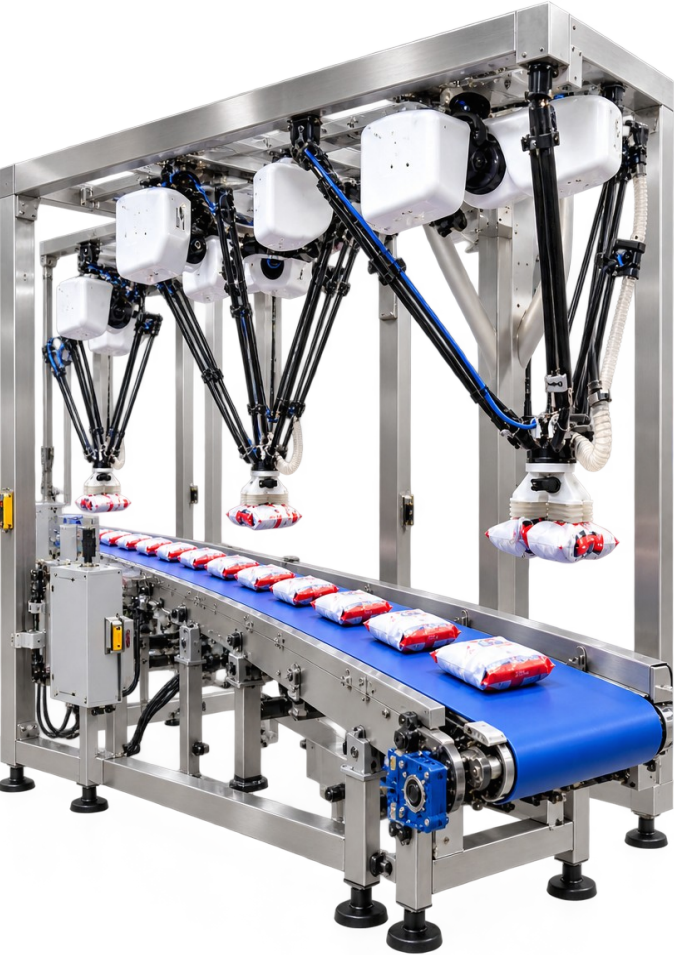
产品特点
Product Features

- 高效坡口 | Efficient Beveling
快速完成板材边缘坡口加工。
Fast and efficient edge preparation.
- 坡口均匀 | Consistent Bevel Quality
加工角度稳定，坡口表面平整。
Stable angles and smooth bevel surfaces.
- 灵活调节 | Flexible Adjustment
可根据不同工件及焊接要求调整加工参数。
Adjustable for different workpieces and welding requirements.
- 移动方便 | Easy Mobility
移动式结构，方便车间不同工位使用。
Mobile design for flexible workshop operation.
- 焊前准备 | Weld Preparation
为后续焊接提供稳定、规范的坡口质量。
Provides consistent joint preparation for subsequent welding.

产品参数
Product Specifications

项目 Item	参数 Specification
电源 Power Supply	380V/50Hz 三相交流电 380V/50Hz Three-phase AC
电机功率 Motor Power	总功率：6.59 kW Total power: 6.59 kW 切削主电机功率：3 kW × 2, 380V/50Hz Cutting main motor power: 3 kW × 2, 380V/50Hz 升降电机功率：0.2 kW, 220V/50Hz Lifting motor power: 0.2 kW, 220V/50Hz
主轴转速 Spindle Speed	1500 r/min
加工坡口速度 Beveling Speed	0.7 – 1.5 m/min (变频任意可调) 0.7 – 1.5 m/min (Adjustable by frequency converter)
夹持板厚 Clamping Plate Thickness	4 – 80 mm
加工坡口角度 Beveling Angle	0° – 75° (可任意调节) 0° – 75° (Adjustable)
刀盘参数 Cutter Head Diameter	80 mm (最大坡口面可加工 80 mm) 80 mm (Maximum beveling width: 80 mm)
刀片规格 Insert Specification	刀盘数量：7 片四方八刃刀片 Cutter head: 7 pieces, square inserts with 8 cutting edges
坡口形式 Beveling Types	K / V / X / Y 型坡口 + 上坡口 + 侧边 0° 坡口 K / V / X / Y type bevel + upper bevel + side 0° bevel
高度调节升降系统 Height Adjustment System	高度任意调节 (电动升降 + 弹簧浮动升降) Adjustable height (electric lifting + spring floating lifting)
夹紧控制方式 Clamping Control	电动型自动夹持板材 (保证板夹紧力度) Electric automatic clamping of workpiece (ensures clamping force)
传动夹紧总成 Transmission & Clamping Unit	配置 11 组传动轮 (上 7 + 下 4) Equipped with 11 sets of transmission wheels (7 upper + 4 lower)
加工方式 Processing Method	铣切 Milling
加工材料 Applicable Materials	碳钢、不锈钢、合金钢、铸铁、铝板等 Carbon steel, stainless steel, alloy steel, cast iron, aluminum plates, etc.
坡口光洁度 Bevel Surface Finish	Ra 3.2 – 6.3

06 并联机器人
Parallel Robot



产品特点
Product Features

高速作业 | High-Speed Operation
快速抓取与搬运
Fast picking and handling
精准定位 | High Precision
高精度重复定位
Accurate repeat positioning
智能分拣 | Smart Sorting
适用于高速识别与分拣
Ideal for high-speed sorting
柔性生产 | Flexible Automation
灵活适配不同产品与产线
Flexible for various products and lines
广泛应用 | Wide Applications
适用于食品、包装及轻工业自动化
Ideal for food, packaging and light-industry automation

产品参数
Product Specifications

并联机器人系列
Parallel Robot Series

型号 Model	S1	S3	S3-1100	S6-1300	S6-1600	S0.5	M0.5	M-S3	M-S3-800
额定负载 Rated Payload	1 kg	3 kg	3 kg	6 kg	6 kg	0.5 kg	0.5 kg	3 kg	3 kg
工作空间直径 Working Diameter	360 mm	800 mm	1100 mm	1300 mm	1600 mm	250 mm	360 mm	600 mm	800 mm
轴数 Number of Axes	4	4	4	4	4	4	4	4	4
重复定位精度 Repeat Positioning Accuracy	±0.05 mm	±0.05 mm	±0.05 mm	±0.05 mm	±0.05 mm	±0.05 mm	±0.05 mm	±0.05 mm	±0.05 mm
角度重复定位精度 Angular Repeat Accuracy	±0.1°	±0.1°	±0.1°	±0.1°	±0.1°	±0.1°	±0.1°	±0.05°	±0.05°
额定功率 Rated Power	0.85 kW	3.4 kW	3.4 kW	6 kW	6 kW	0.5 kW	0.8 kW	3.3 kW	3.3 kW
重量 Weight	25 kg	70 kg	60 kg	100 kg	155 kg	10 kg	24 kg	69 kg	70 kg
防护等级 Protection Class	IP54	IP54	IP54	IP54	IP54	IP54	IP54	IP54	IP54

并联机器人系列
Parallel Robot Series

型号 Model	M-S3-1100	M-S15-1300	M-S15-2000	S20-1300	S6-1100	C-S3-600	C-S3-800	C-S3-1100	S6-1300	S6-1600
额定负载 Rated Payload	3 kg	15 kg	15 kg	20 kg	6 kg	3 kg	3 kg	3 kg	6 kg	6 kg
工作空间直径 Working Diameter	1100 mm	1300 mm	2000 mm	1300 mm	1100 mm	600 mm	800 mm	1100 mm	1300 mm	1600 mm
轴数 Number of Axes	4	4	4	3	2	3	3	3	3	3
重复定位精度 Repeat Positioning Accuracy	±0.05 mm	±0.1 mm	±0.1 mm	±0.05 mm	±0.08 mm	±0.05 mm	±0.05 mm	±0.05 mm	±0.05 mm	±0.05 mm
角度重复定位精度 Angular Repeat Accuracy	±0.05°	±0.05°	±0.05°	±0.05°	/	/	/	/	/	/
额定功率 Rated Power	3.3 kW	6.6 kW	6.1 kW	4.6 kW	2.2 kW	3.2 kW	3.2 kW	3.2 kW	5.6 kW	5.6 kW
重量 Weight	60 kg	/	220 kg	120 kg	87 kg	67 kg	68 kg	58 kg	95 kg	150 kg
防护等级 Protection Class	IP54	IP54	IP54	IP54	IP54	IP54	IP54	IP54	IP54	IP54

注：以上参数为标准配置，具体以实际产品为准。 Note: The above parameters are standard configurations, please refer to the actual product for details.

07 数控机床

CNC Machine Tool



产品特点

Product Features

- 高精度加工 | High Precision
- 精准稳定的零件加工 Accurate and stable machining
- 高效生产 | High Efficiency 提升加工效率与产能 Improved machining efficiency and productivity
- 稳定可靠 | Stable & Reliable
- 适合连续工业生产 Designed for continuous industrial production
- 智能控制 | Intelligent Control
- 数控系统操作便捷 Easy operation with CNC control
- 广泛应用 | Wide Applications
- 适用于多种金属零部件加工 Suitable for various metal components

产品参数

Product Specifications

参数 / Parameter	TCK2100LY	TCK3100LY	TCK2300B
卡盘 / Chuck (inch)	8/10	10/12	8/10
最大回转直径 / Max. Swing Diameter	650 mm	750 mm	700 mm
最大车削直径 / Max. Turning Diameter	300 mm	500 mm	400 mm
最大车削长度 / Max. Turning Length	500 mm	1000 mm	500 mm
Y轴行程 / Y-Axis Travel	±50 mm	±100 mm	±60 mm
动力刀塔型号 / Live Tool Turret Model	BMT55	BMT65	BMT65
主轴转速 / Spindle Speed	4000 rpm	3000 rpm	4000 rpm

08 智能咖啡机器人
AI Coffee Robot



产品特点
Product Features

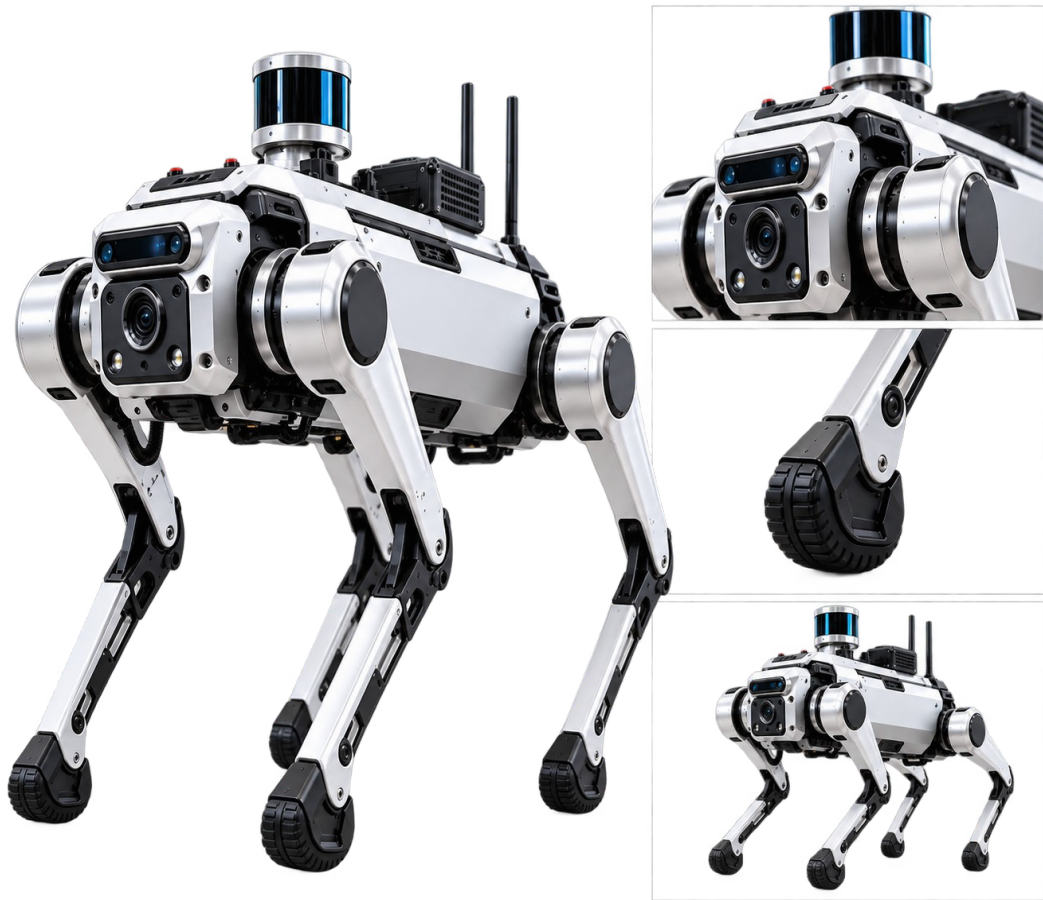
- 智能操作 | Smart Operation
智能交互，操作便捷 Intuitive and easy operation
- 自动制作 | Automated Preparation
自动完成咖啡制作流程 Fully automated coffee preparation
 - 稳定出品 | Consistent Quality
保持稳定的饮品品质 Consistent beverage quality
 - 多种饮品 | Multiple Beverages
支持多种咖啡及饮品选择 Supports multiple beverage options
 - 灵活应用 | Flexible Applications
用于办公、商业及服务场景
Ideal for offices, commercial and service environments

产品参数
Product Specifications

咖啡机器人参数
Coffee Robot Specifications

项目 Item	参数 Specification	
设备尺寸 Dimensions	1550 × 1380 (含点餐屏1515mm) × 2260mm (含空调2330) 1550 × 1380 (including ordering screen 1515 mm) × 2260 mm (including air conditioner 2330 mm)	
占地面积 Floor Area	2.1 平方米 2.1 m²	
净重量 Net Weight	750 kg	
通讯方式 Communication	网线 / WiFi / 流量卡 Wired network / WiFi / SIM card (mobile data)	
支付方式 Payment Method	微信 / 支付宝 WeChat / Alipay	
制作时长 Preparation Time	90 - 120 秒 / 杯起 90 - 120 seconds per cup	
杯子数量 Cup Capacity	100 - 150 杯 (单次补满料) 100 - 150 cups (per refill)	
杯子尺寸 Cup Size	冷杯 (500ml) Cold Cup (500 ml)	89 × 55 × 130 mm (不建议外购, 硬度, 口径都不一样, 容易出错) 89 × 55 × 130 mm (Not recommended to purchase externally, as hardness and diameter may vary)
	热杯 (380ml) Hot Cup (380 ml)	89 × 55.7 × 118 mm (不建议外购, 硬度, 口径都不一样, 容易出错) 89 × 55.7 × 118 mm (Not recommended to purchase externally, as hardness and diameter may vary)
输入电压/功率 Input Voltage / Power	AC 220V / 50Hz / 4.2 kW	
点单平板 Ordering Tablet	13.3 英寸触摸屏 + 扫码器 13.3-inch touchscreen + barcode scanner	
牛奶保鲜 Milk Preservation	0 - 4°C, 保鲜 0 - 4°C, keep fresh	
糖浆模块 Syrup Module	4 路常温料道, 3 路冷藏料道 4 room-temperature channels, 3 refrigerated channels	
咖啡品类 Beverage Varieties	美式(冷/热)、拿铁(冷/热)、卡布奇诺、生椰拿铁(冷)、焦糖拿铁(冷/热)等; 最多可做30+品类 Americano (cold/hot), Latte (cold/hot), Cappuccino, Coconut Latte (cold), Caramel Latte (cold/hot), etc.; up to 30+ varieties	
可应用于 Application Scenarios	景区、写字楼、商业中心、影院、高铁、机场、商业街、星级酒店、医院等场景 Scenic spots, office buildings, shopping malls, cinemas, high-speed rail stations, airports, commercial streets, 5-star hotels, hospitals, etc.	

09 机器狗
Robot Dog



产品特点

Product Features

自主巡检 | Autonomous Inspection

支持智能巡检与数据采集

Smart inspection and data collection

智能避障 | Smart Obstacle Avoidance

灵活识别并避开障碍物

Intelligent obstacle detection and avoidance

全地形移动 | All-Terrain Mobility

适应复杂工业环境

Designed for complex industrial environments

实时监控 | Real-Time Monitoring

实时获取现场图像与数据

Real-time visual and data monitoring

远程操控 | Remote Control

支持远程控制与作业

Supports remote control and operation

产品参数

Product Specifications

Robot Dog Specifications

项目	Item	参数 Specification
产品名称	Product Name	四足机器人 / 机器狗 Quadruped Robot / Robot Dog
外形尺寸 (长 × 宽 × 高)	Dimensions (L × W × H)	约 700 × 450 × 500 mm
整机重量	Weight	约 50 kg
负载能力	Payload Capacity	最大 20 kg Max. 20 kg
运动方式	Locomotion	四足步行 Quadruped walking
最大运动速度	Max. Speed	1.5 m/s
续航时间	Battery Life	2-4 小时 (可更换电池) 2-4 hours (replaceable battery)
爬坡能力	Climbing Ability	≤ 35°
越障高度	Obstacle Crossing Height	≤ 300 mm
跨越宽度	Gap Crossing Width	≤ 800 mm
适应地形	Terrain Adaptability	平地、斜坡、台阶、碎石、草地、工业场景等 Flat ground, slopes, stairs, gravel, grass, industrial environments, etc.
定位导航	Navigation	GPS / RTK / 激光雷达 / 深度相机 / IMU GPS / RTK / LiDAR / Depth Camera / IMU
感知配置	Sensors	激光雷达、深度相机、广角相机、麦克风、温湿度传感器等 LiDAR, depth camera, wide-angle camera, microphone, temperature & humidity sensors, etc.
通信方式	Communication	Wi-Fi / 4G / 5G / 以太网 Wi-Fi / 4G / 5G / Ethernet
控制方式	Control Mode	自主巡检 / 远程操控 / 预设任务 Autonomous inspection / Remote control / Predefined tasks
防护等级	Protection Class	IP54 (可定制更高防护等级) IP54 (higher protection class optional)
工作温度	Operating Temperature	-20°C ~ 50°C
应用场景	Application Scenarios	工业巡检、安防监控、应急救援、科研教育等 Industrial inspection, security monitoring, emergency rescue, research and education, etc.

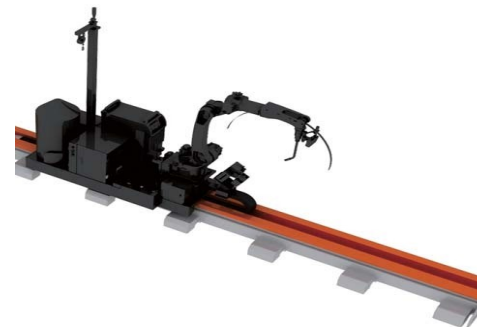
10 产品配件 (可定制)
Components (Customizable)



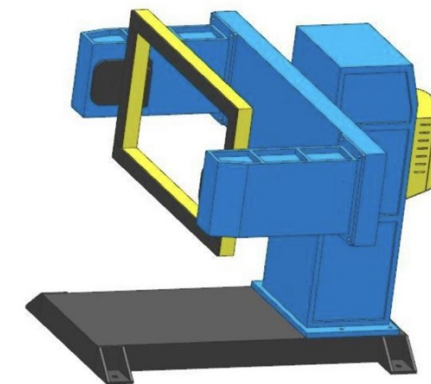
Welding Machine



Robotic Arm



Linear Track



Positioner



Welding Wire



Torch Cleaning Station



Welding Torch



Welding Torch Nozzle

智能制造
OUR FACTORY

实力工厂
OUR STRENGTH

先进的生产设备 严格的质量控制 专业的研发团队 为全球 客户提供高品质产品
Advanced product equipment. Stric quality control. Profession R&D team. Delivery high-quality products to global customers.



工厂全景

我们的产品已出口到全球多个国家和地区，为客户提供稳定的设备和技术服务。
Our product have been export to many countries and regions around the world, providing customers reliable equipment and professional technical support.

GLOBAL LOGISTICS

Global Delivery Wherever Your Production Is

Robotic Welding & Automation Solutions Delivered Worldwide

From China to manufacturing sites worldwide, JISI provides reliable international delivery for robotic welding systems and industrial automation equipment. We coordinate professional export packaging, shipping documentation and flexible transportation solutions according to equipment size, destination and project requirements — helping your equipment arrive safely and efficiently.

Get a Shipping Quote →



- Global Reach**
Serving 100+ Countries and Regions
- Reliable Partners**
Cooperation with professional logistics providers
- Safe & Efficient**
Ensure your equipment arrives securely and on time
- Customer Support**
Committed to customers worldwide



From JISI Factory to Your Factory
A MORE EFFICIENT TOMORROW

- Global Shipping**
Worldwide delivery support for welding robots and automation equipment.
- Export-Grade Packaging**
Professional protective packaging for industrial equipment and long-distance transportation.
- Flexible Transportation**
Sea freight, air freight and multimodal transportation options based on project requirements.
- Export Documentation**
Professional coordination of packing lists, commercial invoices and shipping documents.
- After-Sales Support**
Remote guidance or on-site support to ensure smooth installation and operation.
- 01 Solution Confirmation**
Discuss requirements and provide solution
- 02 Production & Testing**
Manufacturing and FAT (Factory Acceptance Test)
- 03 Export Packaging**
Secure and durable packing
- 04 International Delivery**
By sea, air or land
- 05 Installation Support**
Remote or on-site technical support