



智能焊接解决方案
INTELLIGENT WELDING SOLUTION

江苏科耐特智能机器人有限公司

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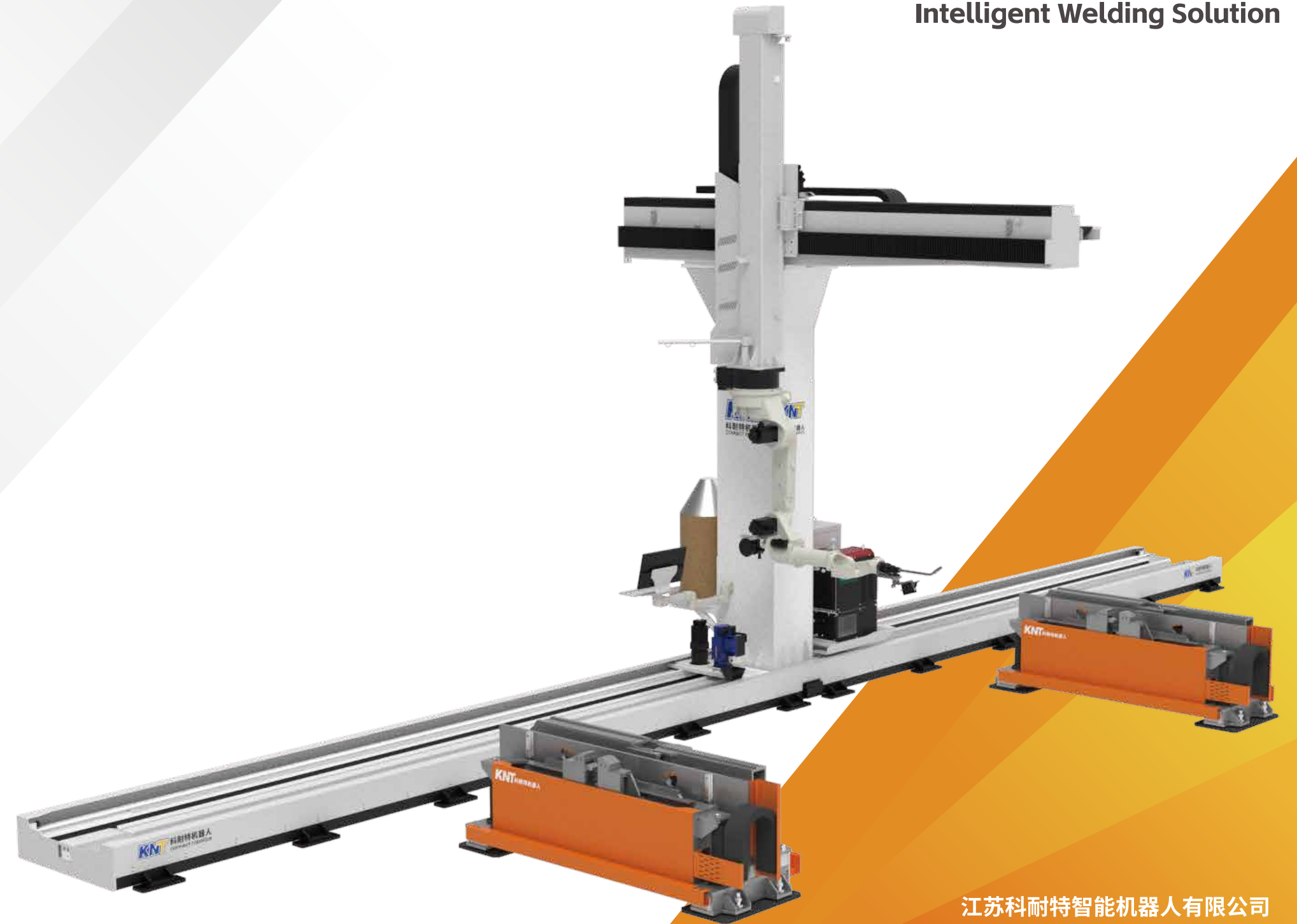


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科耐特智能机器人 CONNECT ROBOTICS

Intelligent Welding Solution



江苏科耐特智能机器人有限公司
Jiangsu Connect Intelligent Robotics Co., Ltd.

创新 · 未来 · 智能 · 探索 · 发展

Innovation, Future, Intelligence, Exploration, and Development

CATALOGUE

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COMPANY INTRODUCTION

公司介绍

江苏科耐特智能焊接机器人有限公司是全球最早从事免编程免示教焊接机器人的先驱者。2020年开发钢结构行业免示教免编程的焊接机器人整体解决方案,科耐特2021年开发并推出第一代免示教免编程的软件,并在2021年设计出第一代免示教免编程的成套设备,同一时期在宏宇重工(年生产能力达15万吨)生产基地投入使用,进行长时间大量验证。(我们的生产基地是柏楚新软件版本及工艺重要的验证基地)

Jiangsu Connect intelligent Welding Robotics Co, Ltd. is a pioneer in the world's free programming and free teaching welding robots. in 2020, we developed a comprehensive solution for welding robots in the steel structure industry that free programming and free teaching. in 2021, we developed and launched the first generation of software that free programming and free teaching and designed the first generation of complete equipmentthat free programming and free teaching, Duringthe same period,it wasput into use atthe production base of Hongyu Heavy Industry (with an annual production capacity of 150000 tons) for long-temlarge-scale verification. Our production base is an important validation base for the software version and process of BOCHU)



COMPANY HISTORY

公司历程



APPLICATION FIELD

应用领域

1 钢结构 Steel structure

钢结构制造中起到了关键的作用。在传统的钢结构制造中,焊接是一个重要的工艺环节。焊接机器人起到缩短工期和降低成本。

2 电力铁塔 power tower

助力电力铁塔等电力设备制造业可明显提高制造效率,降低生产成本。

3 船舶海工 Ship Building

焊接机器人是解决船舶制造最重要的环节,人工焊接质量不稳定、效率低,使用机器人可提升30%效率,降低20%成本,且确保焊接质量。

4 轨道交通 Rail transit

轨道交通智能焊接装备,实现高精度焊接,质量稳定高效,降本增效,满足高铁地铁严苛需求,推动产业升级。

5 特种车辆 Special vehicles

焊接机器人在特种车辆行业中,为了更好的保障高强度结构精准焊接,提升特种车辆安全耐久性与自动化生产水平。

6 工程机械 Construction Machinery

保障高载荷结构焊接质量,适应恶劣工况,提升制造效率与产品可靠性。



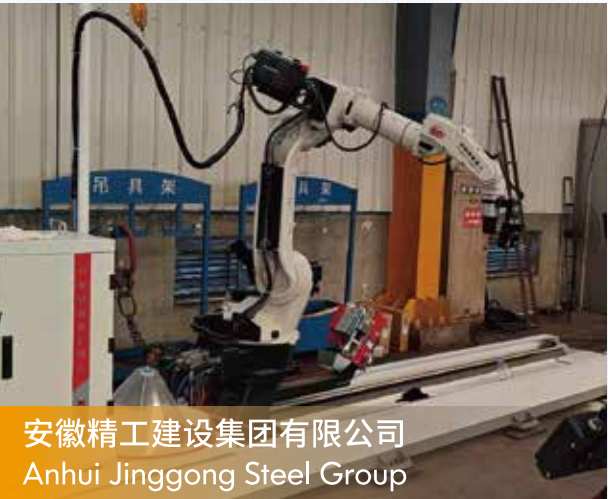
OVER 100 SETS OF LARGE ORDERS 超百台套大额订单

我们坚持合作共赢，与**精工钢构**、**宏宇重工**等企业建立深厚合作关系，经过自身努力和参与联合研发适合客户的焊接工艺，2024年我们中标全国唯一两家**100台套超大订单**。最新的大线扫也受到多家客户的一致好评反馈，并且第一时间下达订单。

We adhere to win-win cooperation, and establish deep cooperative relations with Jinggong Steel Structure, Hongyu Heavy Industry, And other enterprises. Through our own efforts and participation in the joint research and development of welding technology suitable for customers, in 2024, only us won the bid of two 100 sets in China. The latest camera vision scanning has also received a consistent and good feedback from many customers, and the first time to place orders.



联合实验室
Joint Laboratory



安徽精工建设集团有限公司
Anhui Jinggong Steel Group



安徽精工建设集团有限公司
Anhui Jinggong Steel Group



美建建筑系统(中国)有限公司
Abc Buliding System(China)Co.,Ltd.



美建建筑系统(中国)有限公司
Abc Buliding System(China)Co.,Ltd.



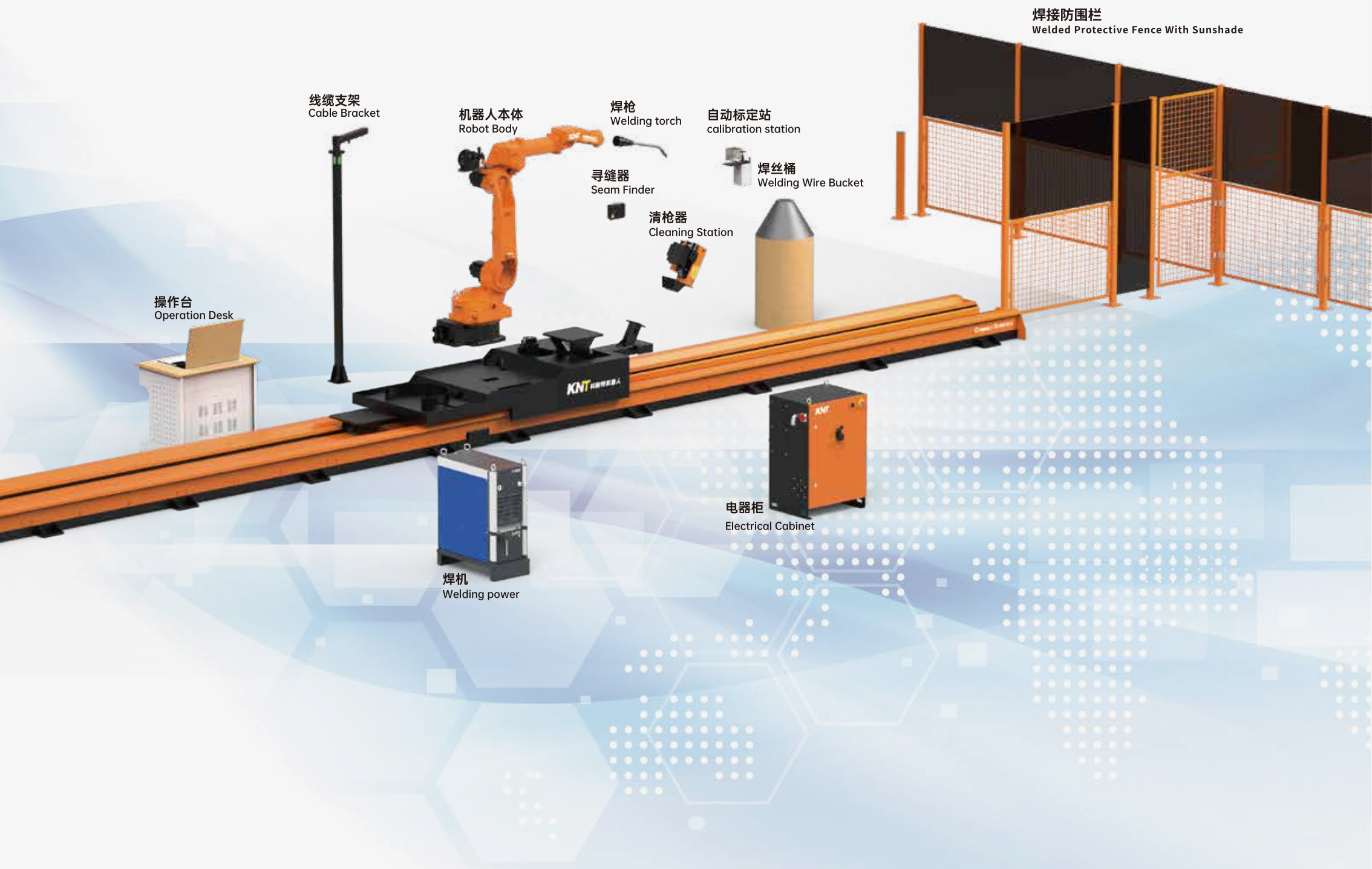
长江精工钢结构(集团)股份有限公司
Jinggong Steel Building Group



长江精工钢结构(集团)股份有限公司
Jinggong Steel Building Group

STANDARD WELDING WORKSTATION

标准焊接工作站配置



WORKSTATION OPTIONAL

机器人品牌与焊接工作站选配方案

机器人本体 Robot arm	
	    
焊机 Welding power	
	  
焊枪 welding torch	
	  
清枪站 Cleaning Station	
	  
操作系统 operating system	
2800	3800 3800E
辅助&功能 Accessibility & Features	

变位机 positioner	可视化手持盒 Visual handheld box	自动标定站 Automatic calibration station
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KSXB0018

XB系列轨道式9轴悬臂焊接工作站 XB SERIES RAIL-TYPE 9-AXIS CANTILEVER WELDING WORKSTATION

产品优势

Product Advantages

九轴智能焊接机器人具有超大臂展,能够实现多自由精准控制实现平焊、立焊、多层多道等全位置焊接。
轨道工作区域可选配焊接辅助设备,进行大型工件焊接,有效的提高工作效率。

The nine axis intelligent welding robot has a large arm span and can achieve precise control of multiple freedoms to achieve full position welding such as flat welding, vertical welding, multi-layer and multi pass welding.
The track work area can be equipped with welding auxiliary equipment for welding large workpieces, effectively improving work efficiency. Welding and handling work can be carried out simultaneously, effectively improving work efficiency.

适用工件

Applicable Workpieces

该设备适用于水平板与竖直板拼接的工件,可提升H型钢、板单元、T型梁、U型肋、管形件及隔板等工件的加工效率。
This equipment is suitable for workpieces that are spliced with horizontal and vertical plates, and can improve the processing efficiency of workpieces such as H-beams, plate units, T-beams, U-shaped ribs, tubular parts, and partitions.

机器人本体颜色定制

Customization of Robot Body Color



信号白
RAL9003



交通红
RAL3020



橙色
RAL2009



锌黄色
RAL1018



扫描观看展示效果



KSXB0014

XB系列轨道式8轴悬臂焊接工作站 XB SERIES RAIL-TYPE 8-AXIS CANTILEVER WELDING WORKSTATION

产品优势

Product Advantages

八轴智能焊接机器人具有大臂展,能够实现多轴自由精准控制实现平焊、立焊等全位置焊接
可分段布置工作区域进行大型工件焊接

The eight axis all position intelligent welding robot has a large arm span and can achieve multi axis free and precise control to achieve all position welding such as flat welding and vertical welding
Segmentable arrangement of work areas for welding large workpieces

适用工件

Applicable Workpieces

该设备适用于水平板与竖直板拼接的工件,可提升H型钢、板单元、T型台、U型肋等复杂工件的加工效率。

The equipment is suitable for workpieces with horizontal and vertical plate splicing, and can improve the processing efficiency of H-beams, plate units, T-beams, U-ribs, tubular components, and bulkheads.

机器人本体颜色定制

Customization of Robot Body Color



信号白
RAL9003



交通红
RAL3020



橙色
RAL2009



锌黄色
RAL1018



KSXB0012

XB系列轨道式7轴悬臂焊接工作站 XB SERIES RAIL-TYPE 7-AXIS CANTILEVER WELDING WORKSTATION

产品优势

Product Advantages

七轴悬臂智能焊接机器人与轨道随动控制, 具有更大的工作区域
可在轨道两侧设置工作区域, 可分段布置工作区域进行小件焊接
焊接和搬运工作可同时进行, 有效的提高工作效率

Seven axis cantilever intelligent welding robot and track following control, with a larger working area
Work areas can be set upon both sides of the track, and the work areas can be arranged in sections for small piece welding
Welding and handling work can be carried out simultaneously, effectively improving work efficiency

适用工件

Applicable Workpieces

该设备适用于水平板与竖直板拼接的工件, 可提升H型钢、板单元、T型梁、U型肋、管形件及隔板等工件的加工效率。
The equipment is suitable for workpieces with horizontal and vertical plate splicing, and can improve the processing efficiency of H-beams, plate units, T-beams, U-ribs, tubular components, and bulkheads.

机器人本体颜色定制

Customization of Robot Body Color



信号白
RAL9003



交通红
RAL3020



橙色
RAL2009



锌黄色
RAL1018



扫描观看展示效果



KSDG0012

DG系列轨道式焊接工作站 DG SERIES RAIL TYPE WELDING WORKSTATION

产品优势 Product Advantages

轨道式焊接工作站增加工件长度, 机器人可于轨道进行联动, 焊接较长焊缝, 工作站实现左右两侧工位,提升工作效率。

The track type welding workstation increases the length of the workpiece, and the robot can be linked to the track to weld longer weld seams. The workstation realizes left and right workstations to improve work efficiency.

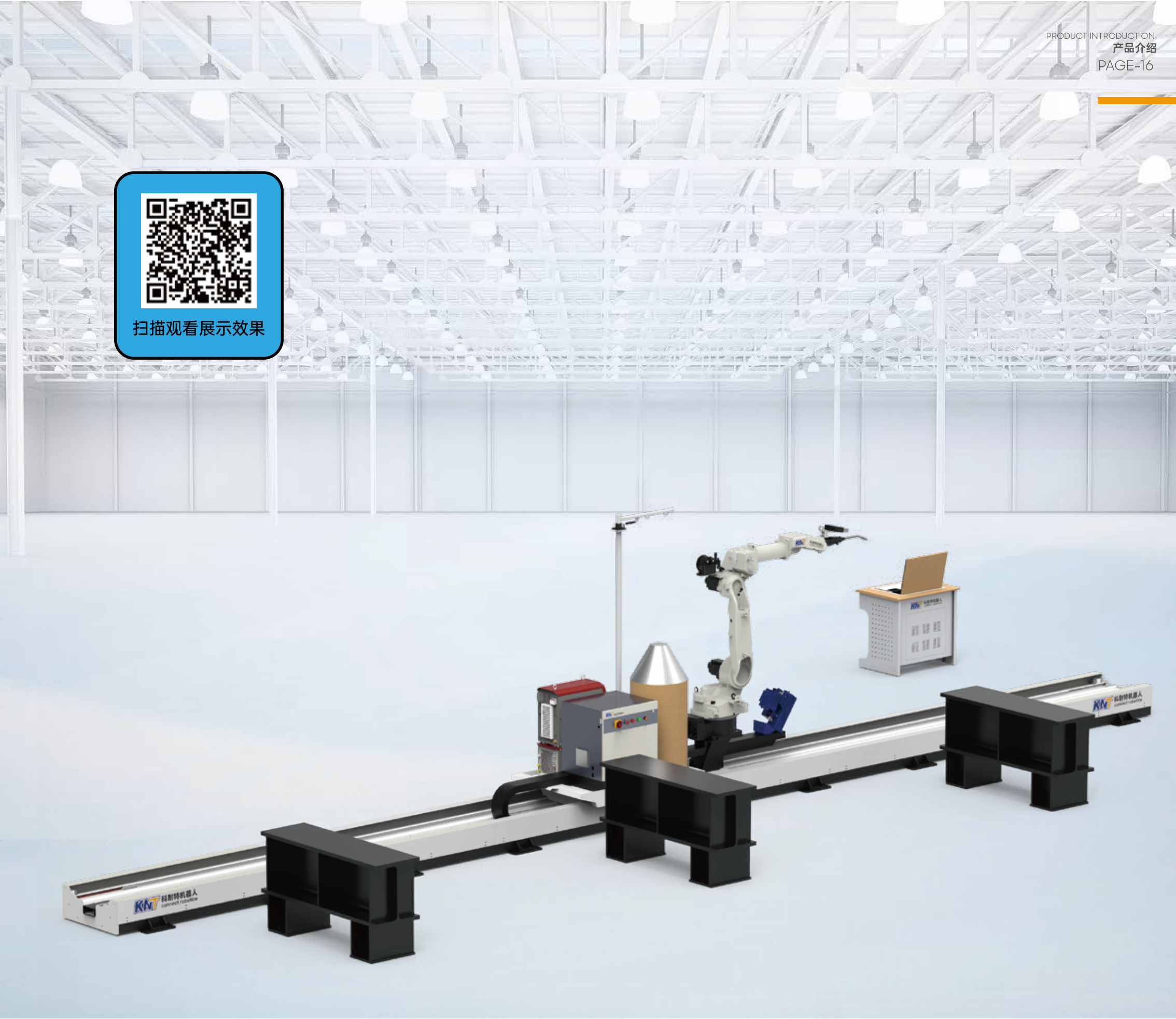
适用工件 Applicable Workpieces

主要用于H型钢普通筋板、横竖筋板、柱底板、檩托板、牛腿等结构工件...

Mainly used for H-shaped steel ordinary reinforcement plates, horizontal and vertical reinforcement plates, column bottom plates, purlin support plates, support bracket and other structural workpieces ..

机器人本体颜色定制 Customization of Robot Body Color

			
信号白 RAL9003	交通红 RAL3020	橙色 RAL2009	锌黄色 RAL1018



KDLM8020

LM系列龙门焊接工作站 LM GNATRY SERIES GANTRY WELDING WORKSTATION

产品优势

Product Advantages

工作区域广,能够焊接直焊、圆弧、曲线、平焊、立焊等,
双机器人协同作业, 7米的大跨距龙门式结构, 更适用于钢构、桥梁、造船等行业。提升焊接效率, 保证焊接
Wide working area, capable of welding straight, circular, curved, flat, vertical, etc,
Dual robot collaborative operation, 7-meter large-span gantry structure, more suitable for industries such as steel structure, bridges,
shipbuilding, etc. Improve welding efficiency and ensure welding quality.

适用工件

Applicable Workpieces

该设备适用于水平板与竖直板拼接的工件, 可提升H型钢、板单元、T型梁、U型肋、管形件及隔板等工件的加工效率。
The equipment is suitable for workpieces with horizontal and vertical plate splicing, and can improve the processing efficiency of H-beams, plate units, T-beams, U-ribs, tubular
components, and bulkheads.

机器人本体颜色定制

Customization of Robot Body Color



信号白
RAL9003



交通红
RAL3020



橙色
RAL2009



锌黄色
RAL1018



KSBW0210

BW系列机器人焊接工作站

THE BW SERIES ROBOTIC WELDING WORKSTATION

产品优势

Product Advantages

双工位布局, A、B工位可不间断焊接, 以旋转角度, 最大程度的提升焊接效率
可根据工件类型和焊接需要订制工作台或单/双轴变位机, 满足各种焊接
Dual station layout, A and B stations can perform uninterrupted welding, with rotation angles to maximize welding efficiency
Customized workbenches or single/double axis positioners can be made according to the type of workpiece and welding requirements to meet various welding needs

适用工件

Applicable Workpieces

适用各种小型构件, 如牛腿, 檩托板等...
Suitable for various small components such as purlin bracket, purlin pallets, etc. .

机器人本体颜色定制

Customization of Robot Body Color

			
信号白 RAL9003	交通红 RAL3020	橙色 RAL2009	锌黄色 RAL1018



KSBW02II

BW系列L型变位机焊接工作站 BW SERIES L-SHAPE POSITIONER WELDING WORKSTATION

产品优势

Product Advantages

L型变位机焊接工作站的运动(翻转+回转)可以使工件上的焊缝调整到最理想的平焊位置。大大扩展了机器人的焊接可达范围,机器人无需频繁改变奇异姿态,就能以最佳角度接近焊缝。

The movement (flipping+rotating) of the L-shaped positioner welding workstation can adjust the weld seam on the workpiece to the most ideal flat welding position. Greatly expanding the welding reach of the robot, the robot can approach the weld seam at the optimal angle without frequently changing its singular posture.

适用工件

Applicable Workpieces

L型变位机非常适合焊接中等尺寸、具有多方向焊缝、需要批量生产的工件。筋板、端盖、牛腿、管道法兰等

The L-shaped positioner is very suitable for welding medium-sized workpieces with multi-directional welds that require mass production. Reinforcing plates, end caps, bracket, pipe flanges, etc

机器人本体颜色定制

Customization of Robot Body Color

			
信号白 RAL9003	交通红 RAL3020	橙色 RAL2009	锌黄色 RAL1018



KSBW0212

BW系列H型变位机焊接工作站 BW SERIES H-SHAPE POSITIONER WELDING WORKSTATION

产品优势

Product Advantages

专为塔脚设计研发的H型变位机焊接工作站。保证塔脚的每个角度的焊接。提高焊接效率和

A welding workstation designed and developed specifically for tower feet using H-type positioners. Ensure welding at every angle of the tower foot. Improve welding efficiency and welding quality.

适用工件

Applicable Workpieces

焊接电力铁塔塔脚工件

Welding power tower foot workpieces

机器人本体颜色定制

Customization of Robot Body Color



信号白
RAL9003



交通红
RAL3020



橙色
RAL2009



锌黄色
RAL1018



扫描观看展示效果



KBW0225

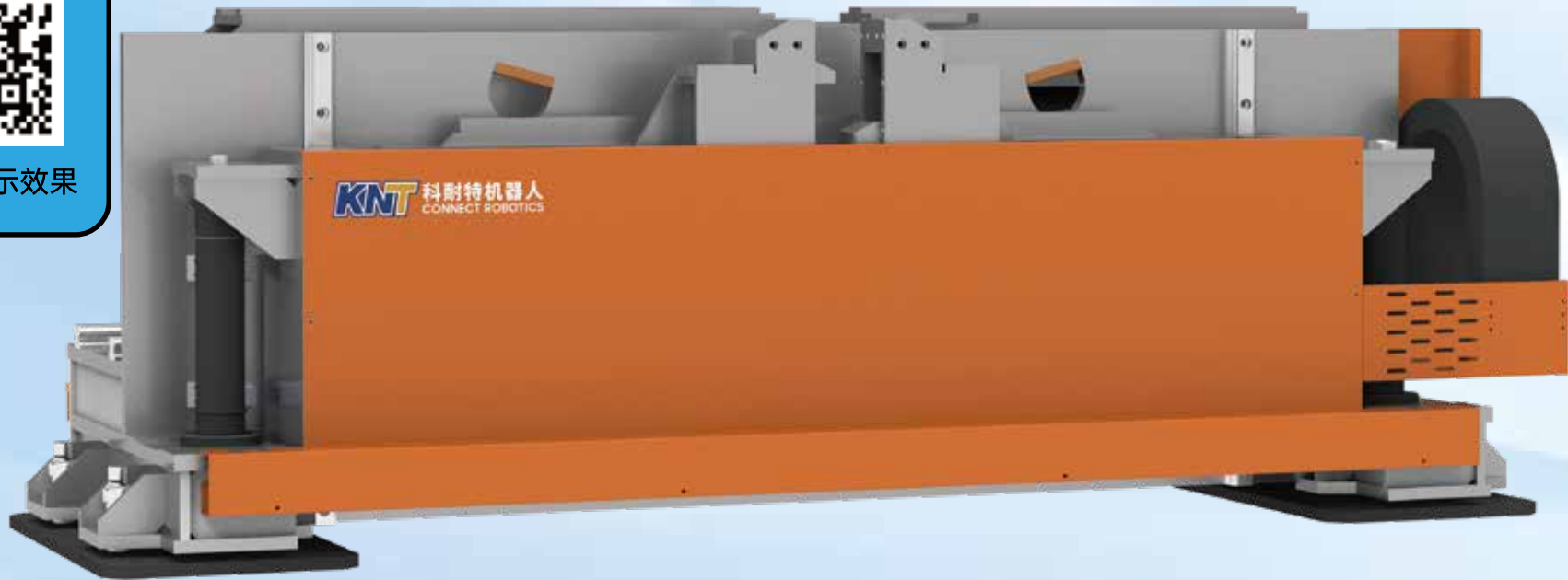
辅助设备-折臂翻转机 AUXILIARY EQUIPMENT - FOLDING ARM FLIPPING MACHINE

▶ 产品优势

折臂翻转机为定制款选配辅助设备,应用于钢构行业生产中,设备具有显著的优势,每次翻转90°可以连续翻转到指定表面,最大程度的提升焊接效率。
The folding arm flipping machine is a customized optional auxiliary equipment used in the steel structure industry production. The equipment has significant advantages, and can continuously flip to the specified surface by 90° each time, maximizing welding efficiency.



扫描观看展示效果



▶ 适用工件

该设备适用箱型柱、H型钢、行车梁等工件。
This equipment is suitable for workpieces such as box columns, sider H-beams

KFZO101

辅助设备-焊烟除尘器 AUXILIARY EQUIPMENT - DUST-REMOVING EQUIPMENT

▶ 环境及优势

高真空除尘环保设备是一种高效除尘系统,适用于对清洁度要求高、粉尘浓度小或颗粒细小的工业环境。其核心是通过高真空抽吸力快速捕获粉尘,结合多级过滤(如HEPA、布袋、旋风分离等)确保排放达标。
High vacuum dust removal and environmental protection equipment is an efficient dust removal system suitable for industrial environments with high cleanliness requirements, high dust concentration, or fine particles. Its core is to quickly capture dust through high vacuum suction, combined with multi-stage filtration (such as HEPA, bag, cyclone separation, etc.) to ensure emissions meet standards.

▶ 产品优势

高真空除尘环保设备,外观简约大方、安全、操作简单、静音,我们的除尘设备安装在焊接机器人滑台板,省去人工拖拽传统方式。
High vacuum dust removal and environmental protection equipment, with a simple and elegant appearance, safety, and quietness. Our dust removal equipment is installed on the robot slide board, eliminating the traditional method of manual dragging.



扫描观看展示效果



一体式防撞除尘嘴
Anti collision dust nozzle



防尘效果95%
Dust Filter Efficiency: 95%

KFZO102

辅助设备-熔池监控 AUXILIARY EQUIPMENT - MOLTEN POOL MONITORING



产品介绍

本产品将视觉和熔池相机合二为一，将同时兼容两种相机的特点，既可以查看熔池状态，也可以进行焊缝跟踪，下面分为两个部分详细介绍本产品的两个功能特点。

This product combines visual and melt pool cameras into one, and is compatible with both cameras. It can not only view the status of the melt pool, but also track the weld seam. The following is a detailed introduction to the two functional features of this product in two parts.

结构原理

视觉熔池检测相机由高分辨率传感器、高性能处理芯片、高清镜头、红外光源组成，是一款通过复杂的计算达到高动态工业视觉熔池传感器，可远程高清捕捉焊接过程，产品整体外壳采用铝合金加工而成，具有重量轻、散热快、坚固耐用、尺寸小等优点。

The visual melt pool detection camera consists of a high-resolution sensor, a high-performance processing chip, a high-definition lens, and an infrared light source. It is an industrial visual melt pool sensor that achieves high dynamic performance through complex calculations. It can remotely capture the welding process in high definition. The overall shell of the product is made of aluminum alloy, which has the advantages of light weight, fast heat dissipation, durability, and small size.

KFZ3800

辅助设备-大线扫 AUXILIARY EQUIPMENT - LARGE LINE SCANNING



产品介绍

线激光立体相机，是一款应用于焊接系统的大线扫相机，通过内置线激光扫描 进行初定位点云成像，得到焊接件的轮廓信息，以此指导后续的焊接操作。

High vacuum dust removal and environmental protection equipment, with a simple and elegant appearance, safety, and quietness. Our dust removal equipment is installed on the robot slide board, eliminating the traditional method of manual dragging.

产品优势

大线扫相机具有工件初定位和点云重建等功能，适用工件H型钢为主，测量精度±5mm

The line scanning camera has functions such as initial positioning of workpieces and point cloud reconstruction, and is mainly suitable for H-shaped steel workpieces with a measurement accuracy of ± 5mm.

EXCLUSIVE SERVICE

专属服务



CUSTOMIZE

个性定制方案
Customized Service



TECHNOLOGY

24小时技术支持
Technical Support



WORKMANSHIP

匹配焊接工艺库
Match welding process library



TRAINING

阶段式培训
Stage based training

您身边的专属焊接顾问,提供个性定制方案。依托强大的专属焊接工艺库,为您精准推荐参数。
享受 24小时技术支持即时响应,阶段式培训,助您与团队持续成长。

Your dedicated on-site welding consultant, providing personalized custom solutions. Relying on a robust exclusive welding process library, we offer you precise parameter recommendations.
You can enjoy 24/7 technical support with immediate response, as well as phased training to help you and your team achieve continuous growth.



AFTER-SALE SERVICE

售后服务



第一阶段(交付)
Delivery of Phase 1 in 0 days



第二阶段
Secondary training for 15 days



第三阶段
Three training sessions over 45 days



第四阶段
Four training sessions spanning 135 days

1 设备安装两天
Equipment installation takes 2 days

2 人员培训三天
Personnel training for 3 days

3 陪产四天
Accompanying producing for 4 days

4 双方签收验收单
Both parties sign and accept the acceptance form

5 创建售后微信群
Create an after-sales WeChat group

1 解答前15天归纳的售后问题
Answer the after-sales questions from the first 15 days

2 操作工操作软件的调研
Research on Operators Operating Software

3 操作工焊接工艺的使用调研
Research on the use of welding technology by operators

4 操作工设备使用熟练度调研
Research on the Proficiency of Operators in Using Equipment

5 操作工设备保养维护调研
Research on maintenance and upkeep of operator equipment

1 (重复第二次培训内容)
(Repeat the content of the second training session)

1 (重复第三次培训内容)
(Repeat the content of the third training session)



客户应用场景
CUSTOMER APPLICATION
SCENARIOS



俄罗斯客户
Russian clients



浙江客户
zhejiang clients



江苏客户
Jiangsu clients



厦门客户
Xiamen clients



德国客户
German clients



马来西亚客户
Malaysian clients



韩国客户
Korean clients



江苏客户
Jiangsu clients



福建客户
Fujian clients



浙江客户
zhejiang clients



江苏客户
Jiangsu clients



江苏客户
Jiangsu clients



嘉兴客户
Jiaxing clients



邯郸客户
Handan clients



杭州客户
Hangzhou clients



山东客户
Shandong clients



徐州客户
Xuzhou clients



绍兴客户
Shaoxing clients



上海客户
Shanghai clients

适用工件
APPLICABLE WORKPIECES



电力钢管杆视频



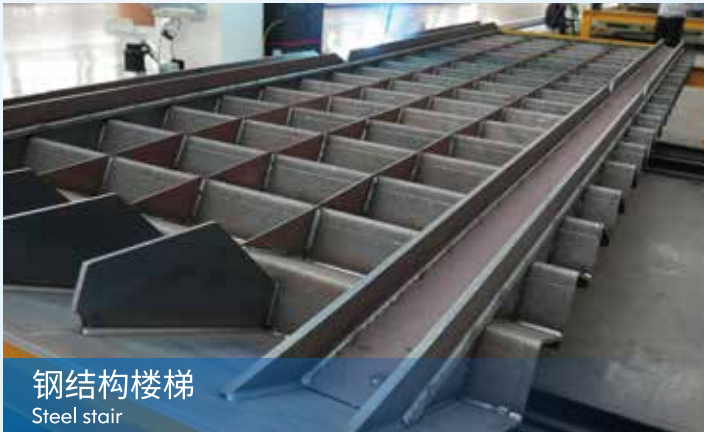
电力钢管杆
Electric power steel pipe pole



钢梁
Steel Beam



十字柱
Cross column



钢结构楼梯
Steel stair



变径箱型柱
Variable diameter box column



行车梁
Girder

电力钢管杆



管道搭接
Pipeline overlap welding



管道搭接十字梁
Pipeline overlap cross shaped beam



箱型柱
Box column

COOPERATIVE PARTNER

合作伙伴



精工钢构
JINGGONG STEEL BUILDING GROUP



ABC
美建建筑



中建钢构



中南集团



宏宇重工



MCC 中冶钢构



圣锐钢构



建通四方



八方钢构
BAFANG STEEL STRUCTURE



精工钢构集团
JINGGONG STEEL BUILDING GROUP
—— 精工技术 · 工匠精神 ——



东日钢构



光磊钢构
GUANGLI STEEL STRUCTURE



杭州旭翔
旭翔



中亿汉禾
ZHONG YI HAN HE
CONSTRUCTION



伟宏钢构



亿宁钢构
YINING GANGGOU



亿鑫升钢结构
YIXIN SHENG GANG JIE GOU



三虹重工
SANHONG HEAVY INDUSTRY



飞昊钢构
FEIHAO GANGGOU



宁大钢构
NINGDA SHTEEL STRUCTURE



ZGDH 山西·东航
SHANXIDONGHANG



山东华泰



TSMC



欧粹实业



STEELTRANS



Steeltrans



AJAN



STEELTRANS



台湾禾泰营造



PATAGONIA
CNC MACHINES



ADH
东海裕祥



ACCURL



天津港航
TIANJIN GANGHANG



宜化化机



CSSC
船舶重工



未来智能
WEILAI INTELLIGENCE



筑鸿
ZHU HONG



菲尔特



肯克
KENKE



维骏工业
WEI JUN INDUSTRY



Aini艾尼尔集团



固建机器人
Smart Construction



厦门凯钥
XIAMEN KAIYUE



江苏海鹏



博楚科技
BETRUE TECH



easidrive



ABB



FANUC



KUKA



STEP
新时达



QIAR
钱江机器人



MOKA



CHAIFU



AOTAI



MEGMEET
WELDING TECHNOLOGY



ESAB



CLOOS

COMPANY HONORS

公司荣誉



国际权威机构认证, 安全合规多重保障

Certified by international authoritative institutions, multiple guarantees of safety and compliance



Certification国际认证



质量体系认证



实用新型专利



GLOBAL SERVICE NETWORK

全球服务网络



全球客户分布					
欧 洲	德国	英国	西班牙	加拿大	意大利
非 洲	摩洛哥	中非	赞比亚	马达加斯加	
北美洲	加拿大	美国	墨西哥	危地马拉	
南美洲	哥伦比亚	巴西	阿根廷		
大洋洲	澳大利亚				
亚 洲	土耳其	沙特	伊朗	印度	泰国
	印度尼西亚	日本	韩国	蒙古	俄罗斯
	哈萨克斯坦				
	新加坡				

30%+

全球科耐特焊接机器人市场占比
Global market share of Konat welding robots



国内客户分布					
华东地区	上海	江苏	浙江		
	江西	山东	福建	安徽	
华北地区	北京	天津	河北	山西	内蒙古
华南地区	广东	广西	海南		
华中地区	河南	湖南	湖北		
东北地区	吉林	辽宁	黑龙江		
西北地区	甘肃	陕西	宁夏	青海	新疆
西南地区	四川	重庆	云南		