中国 · 郑州
Zhengzhou China

越达科技
YUEDA YUEDA TECH.

郑州越达科技装备有限公司
ZHENGZHOU YUEDA TECHNOLOGY EQUIPMENT CO., LTD.

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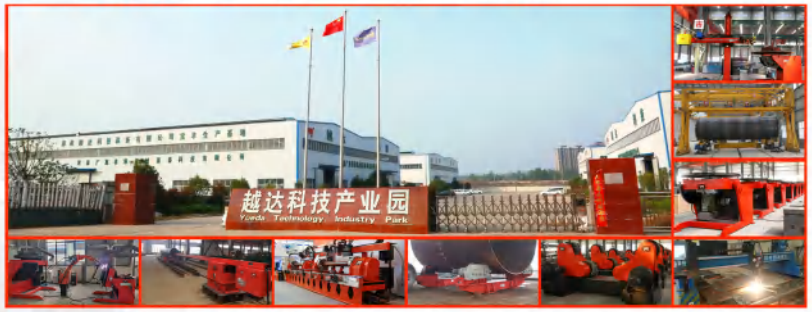
已通过TSO9001：2015国际质量管理体系认证
We have passed Iso9001:2015 International Quality Management Certification

COMPANY PROFILE 公司简介



郑州越达科技装备有限公司，成立于2003年，位于中国交通枢纽河南省郑州市。是一家从事焊接切割及其自动化、涂装自动化、智能装备及其集成产线的高新技术企业。

公司致力于打造自主研发和技术应用创新，目前公司已经形成了焊装、涂装、机器人、信息化四大事业部，开发研制的产品系列有：标准焊接中心（焊接操作机、滚轮架、变位机）系列、自动化切割下料系列、各类焊接专机系列，机器人工作站等等。产线方面主要有：海洋和陆地风塔生产线、各类工程机械产线、各类专用汽车生产线、各类管道容器焊接生产线以及涂装生产线、机器人集成管理系统等。

经过二十年的发展，公司以容器管道、风力发电、工程机械、交通车辆、冶金电力等行业设计业务为技术支撑，以行业信息化应用为载体，以装备自动化智能化发展为目标，不断提出提供更好的工艺装备和服务。

越达科技以已经建立了覆盖全国的营销服务网络，与能源风电、化工机械、交通运输等行业龙头企业建立了良好的合作关系。国际方面，公司紧跟国家"一带一路"政策，设立外贸部，将公司的产品及服务拓展至海外市场。

Zhengzhou Yueda Technology Equipment Co., LTD., founded IN 2003, is located in Zhengzhou,Henan Province, a transportation hub in China. It is a high-tech enterprise engaged in welding and cutting automation, painting automation, intelligent equipment and its integrated production line.

The company is committed to creating independent research and development and technology application innovation, the company has formed four divisions, the development of product series are: standard welding center (welding operator, roller rack, positioning machine) series, automatic cutting series, all kinds of special welding machine series, robot workstation and so on. The main production lines are: ocean and land wind tower production lines, all kinds of construction machinery production lines, all kinds of special purpose vehicle production lines, all kinds of pipeline container welding production lines and painting production lines, robot integrated management system, etc. After 20 years of development, the company to container pipeline, wind power generation, construction machinery, traffic vehicles, metallurgical power and other industries design business as technical support, industry information application as the carrier, to equipment automation and intelligent development as the goal, constantly put forward to provide better process equipment and services.

Yueda Technology has established a nationwide marketing service network, and has established good cooperative relations with leading enterprises in energy, wind power, chemical machinery, transportation and other industries. Internationally, the company closely follows the national "One Belt and One Road" policy and sets up the Foreign trade Department to expand the company's products and services to overseas markets.

郑州越达科技装备有限公司
ZHENGZHOU YUEDA TECHNOLOGY EQUIPMENT CO., LTD.

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ENTERPRISE CULTURE 企业文化

公司愿景 Company Vision

成为智能制造整体解决方案的行业领跑者
Become an industry leader in integrated solutions for intelligent manufacturing

公司使命 Company Mission

以专业化打造核心竞争力，以平台化扩大市场影响力，联合行业独特的优势，服务于我们的客户，确保公司价值最大化，与中国智能装备制造一起成长，为中国制造走向中国创造奠定基础。
Build core competitiveness by specialization, expand market influence by platform, combine the unique advantages of industry to serve our customers. Ensure maximum company value, and grow together with intelligent equipment manufacturing in China. Lay solid foundation for "Made in China" becoming "Create in China".

公司核心价值观 Company Core Values

不断科学创新，打造核心能力，永远创造价值，成为行业领先！
Make constant scientific innovation, build core competencies, and create sustainable value to become the industry leader!

公司战略规划 Company Strategic Planning

公司按照"基础支撑、创新驱动、高端引领、智能转型"的总体战略发展思路，稳增长、促创新、补短板、调结构、推应用、提质量、增效益，为企业战略升级奠定扎实的基础。
According to the strategic development ideas of basic support, innovation-driven, high-end guidance, intelligent transformation, our company maintains steady growth, promotes innovation, improves underdeveloped areas, adjusts structure, promotes application, improves quality, increases efficiency to lay a solid foundation for the enterprise strategic upgrading.

越达科技
YUEDA TECH.

服务行业

Service scope ...

轨道交通
rail transit

隧道工程
Tunnel engineering

石油化工、压力容器
Petrochemical industry, pressure vessel

陆地、海洋风电
Onshore and offshore wind power

工程机械专用车
Special vehicle for construction machinery

起重机械、建筑机械
Hoisting machinery, construction machinery

海工、船舶
Marine engineering and ship

客车、轿车
Passenger cars and cars

桥梁、钢结构
Bridge and steel structure

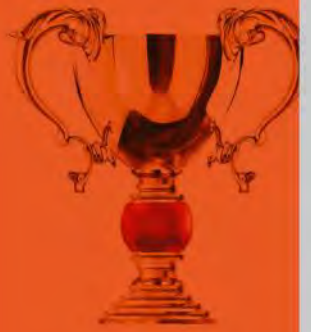
煤矿机械
Coal mine machinery

军工产品
military products

通用机械
General machinery

荣誉之路

THE ROAD TO HONOR



ENTERPRISE HONOR 企业荣誉

ENTERPRISE PATENT 企业专利

STRATEGIC PARTNERS

战略合作伙伴

中国科学院金属研究所
中国联合装备集团有限责任公司
中航黎明锦西化工机械（集团）有限责任公司
中核动力设备有限公司
中国水利水电第一工程局有限公司
中国二冶集团有限公司
中国石油集团海洋工程有限公司
中建钢构阳光惠州有限公司
中海福陆重工有限公司
中交第三航务工程局有限公司
中国水利水电第四工程有限公司
中铁工程装备集团有限公司
中联重科股份有限公司
中车西安车辆有限公司
中国能源建设集团
中车兰州机车有限公司
大金重工股份有限公司
蓬莱大金海洋重工有限公司
大庆油田建设集团有限责任公司
哈尔滨红光锅炉总厂有限责任公司
河南省第一建设集团
河南六建重工有限公司
长沙锦峰重工科技有限公司
郑州红宇专用汽车有限责任公司
江苏海力风电设备科技股份有限公司
珠海仕高玛机械设备有限公司
合肥紫金钢管股份有限公司
上海华谊集团装备工程有限公司
大连齐车轨道交通装备有限责任公司
河北龙道风电科技有限公司
青海隆盛石化建工有限责任公司
三一集团
郑州航空港区速达工业机械服务有限公司
郑州煤矿机械集团股份有限公司
宇通客车股份有限公司
天顺风能（苏州）股份有限公司
山西太重智能装备有限公司
山东中辰电力设备有限公司
山东鲁能泰山铁塔有限公司
山东齐鲁石化机械制造有限公司
辽宁曙光汽车集团有限公司
珠海格力钛新能源股份有限公司
南京广通汽车制造有限公司
河南九冶化工设备有限公司
汇达重工股份有限公司
洛阳隆化传热科技股份有限公司
卫华集团有限公司
陕西化建工程有限责任公司
青岛武晓集团股份有限公司
鲁西工业装备有限公司
龙工（上海）叉车有限公司
沈阳鼓风机集团有限公司
广州铁道车辆有限公司

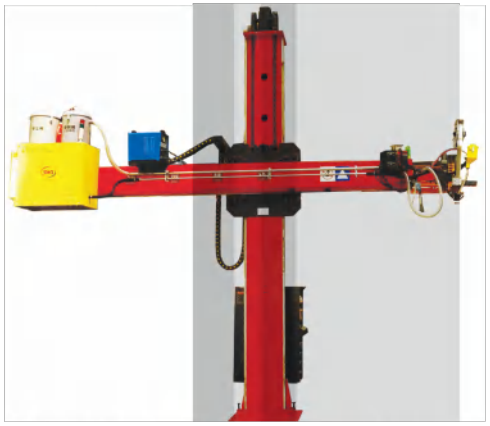
通用设备 焊接中心

自动焊接中心由焊接操作机，自动埋弧焊机（或CO2，TIG焊机，窄间隙埋弧焊机、带极堆焊机）、焊接滚轮架或焊接变位组成。针对金属容器、金属焊接结构件的各种焊缝进行不同方式的焊接。该中心实现三位一体联动控制，可配置焊接传感及监控、电弧摆动、弧长控制、自动焊剂输送、回收等装置。用于石油化工、电力设备、冶金设备、工程机械、汽车制造、船舶制造、航空航天等众多行业。

Universal Equipments-Welding center

Automatic welding center is composed by welding boom manipulator, submerged arc welding(or CO2,TIG welding machine, narrow gap SAW welding, strip surfacing welding machine), welding rotator or welding positioner. With different kinds of welding for metal container and metal structural parts' weld joint. The welding center realized trinity linkage control which can equipped with welding sensor or supervision, arc swing, arc length control, automatic solder conveying, recycle, etc. It's widely used for petrochemical industry, powder equipment, metallurgical equipment, engineering machinery, automobile production, shipbuilding, aerospace, etc.

WELDING COLUMN & BOOM 焊接操作机



产品介绍：

焊接操作机是与焊接滚轮架、焊接变位机等组合，对构件的内外环缝、角焊缝、内外纵缝进行自动焊接的专用设备，有固定式、回转式、全位置等多种结构形式。可根据用户的需求选择结构并配套各种焊机以及增加跟踪、摆动、监控、焊剂回收输送等辅助功能. 用于压力容器、制冷设备、电厂建设、冶金建设、工程机械、船舶制造、扎辊堆焊、石化建设等众多行业。

Product description:

Welding manipulator combine with welding rotator and welding positioner to become the dedicated automatic welding device for welding structure parts' internal and external circular seam, fillet weld, inside and outside longitudinal seam and has different structure forms such as fixed type, rotary type, versatile position type, etc. And according to user's requirements, we also can choose structure or equipped with different kinds of welding machines and adding tracking, swing, monitoring, solder recycling& conveying functions. The welding manipulator is widely used for many kinds of industries such as pressure vessel, cooling device, power plant construction, metallurgical construction, engineering machinery, shipbuilding, roll surfacing welding, petrochemical construction, etc.

主要技术参数 Main technical parameters

规格型号Model		CZ2X2	CZ3X3	CZ4X4	CZ5X5	CZ6X6	CZ8X8
横梁升降有效行程（mm）Boom effective lifting range		2000	3000	4000	5000	6000	8000
横梁伸缩有效行程（mm）Boom effective extending range		2000	3000	4000	5000	6000	8000
导轨形式（mm）Guide form		直线滑轨		矩形轨			
横梁最大高度（mm）Boom max. height		2210	3360	4365	5415	6460	8720
横梁最小高度（mm）Boom min. height		210	360	365	415	460	720
设备总高度（mm）Total height		2890	4385	5480	6750	7855	10610
带回转时高度（mm）Total height with rotary device		2965	4470	5575	6847	7955	10710
带台车时高度（mm）Total height with trolley		3220	4715	5820	7090	8195	10950
升降速度（mm/min）Lifting speed		1000					
伸缩速度（mm/min）Extending speed		120-1200			100-1000		
台车行走速度（mm/min）Trolley moving speed		2000					800
内档轨距（mm）Guide rail inner gauge		1000	1500	1750	2000	2000	2230
立柱回转 Cloumn rotation	角度（°）degree	±180°					
	速度（r/min）speed	0.19					0.13

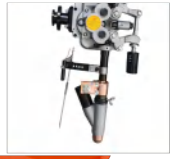
性能特点：

1、立柱横梁采用钢板型材结构，平面导轨设计，具有良好的刚性，结构下挠度低。
2、横梁升降采用交流电机恒速运转方式，升降平稳均匀。
3、衡量伸缩采用交流变频无级调速，恒转矩输出，速度平稳，导轨为45号钢，焊后去应力处理，经刨成型，强度高，稳定性好，能保证长时间不变形。
4、横梁伸缩采用齿轮齿条传动，传动精度高，运行平稳，速度数字显示并可预先设置。
5、横梁升降、横梁伸缩、地车进退均设有电子、机械双重保护装置。
6、采用优质回转支承，转动灵活，寿命长。
7、采用塑料拖带布线技术，耐用、方便、美观、安全。
8、控制站与手操器可构成远控方式，采用计算机控制技术，所有焊接参数数字显示并可预先设置，操作灵活方便，控制站留有联动接口可与本公司其他产品实现联动。
手操器置于手中，可以方便的进行焊接操作机、焊接中心及其他机构的远程操作，并对焊接过程进行实时控制。

Performance and Features:

1.Column and beam with steel profile structure, planar guide rail design, which has good rigidity and low structural deflection.
2.Beam’s lifting with AC motor constant speed operation, steady lifting with constant speed.
3.Beam’s stretch with AC variable frequency stepless speed regulation, constant torque output, steady speed, guide rail is 45# steel, stress reduction treatment after welding, plane forming, high intensity, good stability and guarantee no deformation long time.
4.Beam’s stretch with gear and rack transmission, high transmission accuracy, steady operation, speed digital display and can be preset.
5.Beam’s lifting, beam’s stretch, trolley advance and retreat all equipped with electrical and mechanical double protection device.
6.Adopt high quality slewing bearing, flexible rotation, long lifespan.
7.Adopt plastic towing wiring technology, durable, convenient, beautiful and safe.
8.Control station and hand operator form remote control method, adopt computer control technology, all welding parameters digital display and can be preset, flexible operation and control station reserved linkage interface which can be interconnected with other products. Hand controller in your hand can make remote control easily for welding manipulator, welding center and other structure, and make real-time control for welding process.

操作机选配件
Optional accessories



机头
Nose

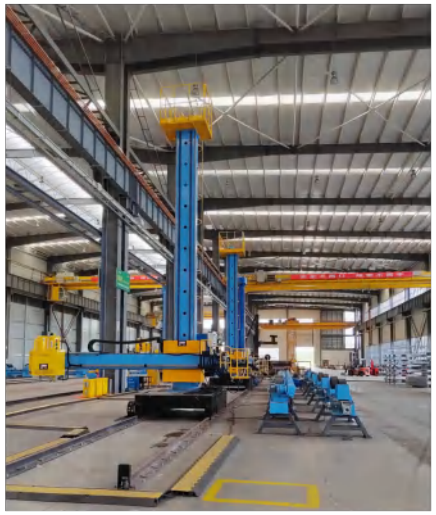
十字微调
Cross fine tuning

焊剂输送回收一体机
Flux conveying and recycling integrated machine

焊接摆动器
Welding Swing

焊机
Welding machine

焊缝跟踪器
Seam Tracker



ADJUSTABLE WELDING ROTATOR

可调式焊接滚轮架

产品介绍：

焊接滚轮架主要用于圆柱形筒体的焊接、抛光、衬胶及装配等，还可与其它工装配合进行锥体、分段不等径回转体的装配和焊接。本产品广泛应用于风电、压力容器、石化、管道、钢结构、锅炉、造船、堆焊修复等行业。还可根据用户需要设计、定制各种类型的滚轮架。

Product description:

Welding rotator is mainly used for cylindrical tank’s welding, polishing, rubber lining, assembling ,etc, and it’s also can match up with other tools for welding or assembling for cone and section equality solid of revolution. It’s widely used for many industries such as wind powder, pressure vessel, petrochemical, pipeline, steel structure, boiler, shipbuilding, surfacing welding rebuilding, etc. We also can offer customized special welding rotators according to client’s requirements.

性能特点：

1、采用双减速箱，双电机驱动，驱动力大。采用优质变频调速器，性能可靠。

2、可调式滚轮架的中心距调节：一般情况下2-10吨丝杠调节、KT-20T及以上是螺栓调节。

3、滚轮架设计速度为变频无级调速。

4、可根据用户的需要延伸设计，制作成行走式、丝杆调整式、升降式、倾斜式等多种变形模式。

Performance and features:

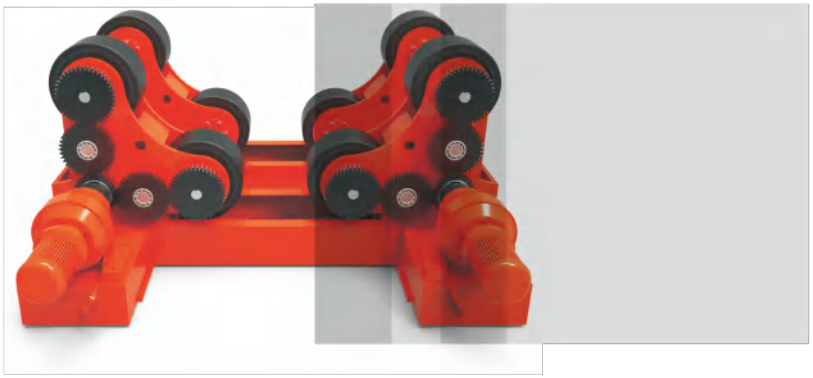
1.Adopt double reducers and double motor drive, strong driving force. Adopt high quality speed controller with inverter, reliable performance.
2.Adjustable center distance: normally lead screw adjusting for loading less than 2T; bolts step adjusting for loading than 5T.
3.Speed is variable frequency stepless speed regulation.
4.Extension design according to clients’ requirements to make different kinds of transformation type such as walking type, lead screw adjustment type, lift type and inclined type, etc.

规格型号Model	载重（T）Loading capacity	滚轮直径（mm）Roller dia.	滚轮宽度（mm）Roller width	焊件直径（mm）workpiece dia. Range
KT-2	2	250	120	200-2000
KT-5	5	300	120	200-2500
KT-10	10	300	170	300-3000
KT-20	20	300	200	300-3500
KT-30	30	350	200	300-4000
KT-40	40	400	200	300-4500
KT-60	60	400	240	600-5000
KT-80	80	450	260	800-5500
KT-100	100	500	280	1000-6000

Notice: KT series welding rotator max load can be 3000Ton

SELF-ALIGNED ROTATOR

自调式焊接滚轮架



产品介绍：

自调式滚轮架是我公司汲取国内外同类产品的优点，结合多家锅炉压力容器制造厂的使用要求而自行研制的。广泛适用于焊接金属筒体，是锅炉、压力容器等制造所需的专用设备，其具有工艺先进、质量可靠、操作简便等优点。自调式滚轮架由一台主动架及一台从动架共同组成，每组由4个轮子组成。主动架4个轮子都是主动轮，20T以下为单电机驱动，20T以上全部为双电机驱动。

Product description:

Self-aligned/adjustable rotator is developed based on the advantages of same kind of products at home and abroad and combined requirements of many boiler pressure vessel factories. It's widely used for welding metal tanks and it's the professional equipment for boiler and pressure vessel production . It's advantages are advanced technology, reliable quality, easy operation, etc. The self-aligned/adjustable rotator composed of one driving frame and one driven frame. Each unit has 4 wheels. The 4 wheels on driving frame are driving wheels.
Less than 20T, rotators with single motor driven. More than 20T, all the rotators with double motor driven.

规格型号Model	载重（T）Loading capacity	中心距（mm）Center distance	滚轮直径（mm）Roller dia.	滚轮宽度（mm）Roller width	焊件直径（mm）workpiece dia. range
ZT-5	5	1030	250	120	300-2500
ZT-10	10	1070	300	170	300-3000
ZT-20	20	1180	300	200	400-3500
ZT-30	30	1270	300	200	400-3800
ZT-40	40	1600	400	200	450-4500
ZT-60	60	1850	425	220	750-5500
ZT-80	80	1950	425	240	900-5800
ZT-100	100	2200	500	220	900-6500

Notice: ZT series welding rotator max load can be 2000Ton

性能特点：

1、标准自调式滚轮架由一台主动架及一台从动架共同组成，也可根据用户要求一主多从，使用方便，适应性强。
2、根据工件直径大小，可自动调节滚轮组的摆角，无需人工调校。
3、主动架四只滚轮均采用齿轮啮合传动，实现四轮驱动。
4、聚氨酯包胶滚轮，摩擦力大，寿命长，承载能力强。
5、采用交流变频器无级调速，启动力矩大，调速范围宽，运行平稳，具有过压、过流、过载、过热等多重保护功能。
6、主动滚轮架的启动、停止、正转、反转及调速，均在遥控盒上操作。
7、留有联动接口，可以与操作机实现联动控制，组成焊接中心。

Performance and features:

1.The standard self-aligned/adjustable rotator is composed by one set of driving frame and one set of driven frame, it's also can be customized made one set of driven frame and many sets of driven frames according to clients' requirements. Easy operation, high adaptability.
2.Adjust rotator's pivot angle automatically according to work pieces' dimension, no need manual adjustment.
3.Driving frame's 4 wheels with gear engagement transmission, realized 4 wheels driven.
4.Polyurethane adhesive wheel, high friction, long lifespan and strong bearing capacity.
5.Adopt AC Inverter stepless speed regulation, big starting torque, wide scope of speed adjusting, stable operation and with multiple protection functions such as over voltage, over current, over load, over heat, etc.
6.Driving rotator's start, stop, positive rotation, reverse rotation and speed adjustment is operated by remote control box.
7.Reserved linkage interface which can be interconnected with welding manipulator to form the welding center.

SPECIAL WELDING ROTATORS:
特殊滚轮架系列

可调式倾斜滚轮架
Adjustable tilting rotator

可调式液压组队滚轮架
Adjustable hydraulic group rotator

100T可调式电动行走滚轮架
100T adjustable electric walking rotator

电动丝杠升降滚轮架
Electric lead screw lifting rotator

可调电动行走滚轮架
Adjustable electric walking rotator

2500T液压行走滚轮架
2500T hydraulic walking rotator

200T四排轮可调电动行走滚轮架
200t four-row wheel adjustable electric walking rotator

两排轮可调滚轮架
Adjustable rotatorwith two rows of wheels

液压拖臂滚轮架
Hydraulic armrest rotator

三排轮可调滚轮架
Three rows of adjustable rotator

自调异型罐滚轮架
Self-adjusting special-shaped tank turning roller

喷漆喷砂滚轮架
Spray paint sandblast rotator

WELDING POSITIONER
变位机

产品介绍：

焊接变位机一般由工作台回转机构和翻转机构组成，通过工作台的翻转和回转使固定在工作台上的工件达到所需的焊接、装配角度，工作台回转为变频无级调速，可得到满意的焊接速度。

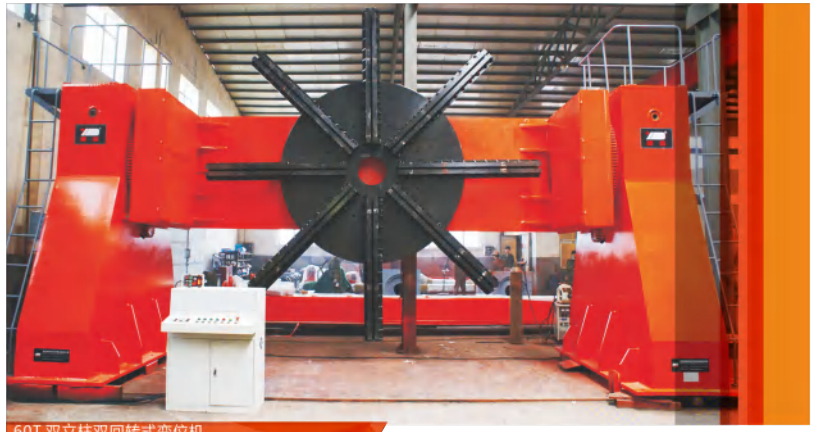
该系列有侧倾式、头尾回转式、头尾升降回转式、头尾可倾斜式以及双回转等多种形式的变位机，可与焊接操作机等配套组成自动焊接专机，还可作为机器人周边设备与机器人配套实现焊接自动化，同时可根据用户不同类型的工件及工艺要求，设计定制各种特殊变位机。

Product description:

Welding positioner normally composed by worktable slewing mechanism and turnover mechanism, which let the work piece that fixed on the worktable in the desired welding or fitting angle by worktable’s lifting, turnover and slewing. And the worktable’s slewing is frequency inverter stepless speed regulation to achieve the satisfactory welding speed.

The welding positioner series are side tipping type, head and tail rotation type, head and tail lifting rotation type, head and tail inclined type and double rotation type,etc.
It’s can match with welding manipulator to form into automatic special welding machine, and it’s also match with robot peripheral equipment and robot to realize welding automation. And we also can make customized welding positioner according to clients’ different work piece and technological requirements.

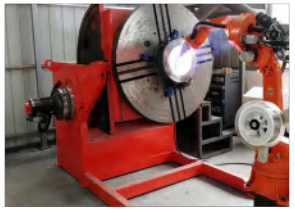
型号Model		ZHB1	ZHB3	ZHB6	ZHB10	ZHB20	ZHB30	ZHB60	ZHB100	ZHB150	ZHB200
额定承载重量（kg）Rated loading capacity		100	300	600	1000	2000	3000	6000	10000	15000	20000
回转速度（rpm）Rotation speed		0.2-2	0.1-1	0.05-0.5	0.05-0.5	0.05-0.5	0.05-0.5	0.05-0.5	0.02-0.2	0.02-0.2	0.028-0.28
翻转速度（rpm）Tilting speed		manual	≈0.3	≈0.3	≈0.3	≈0.3	≈0.2	≈0.2	≈0.2	≈0.2	≈0.2
工作台直径（mm）worktable dia.		ϕ300	ϕ600	ϕ800	ϕ1000	ϕ1200	ϕ1400	ϕ1500	ϕ2000	ϕ2000	ϕ2500
最大偏心距（mm）Max. eccentric distance		100	100	100	100	150	150	180	200	250	200
最大重心距（mm）Max.GC distance		200	200	300	300	300	300	210	400	450	630
工作台翻转角度（°）worktable tilting degree		0-90	0-90	0-90	0-100	0-110	0-110	0-115	0-120	0-120	0-120
回转电机功率（kw）Rotation power		0.09	0.08	0.37	0.37	0.75	1.5	2.2	3	4	4
翻转电机功率（kw）Tilting power		manual	0.25	0.37	0.75	1.5	2.2	3	4	7.5	7.5
90° 时最大回转直径（mm）Max. Rotation dia. at 90°		≤450	≤850	≤1250	≤1700	≤2000	≤2400	≤2800	≤3200	≤3500	≤3500
外形尺寸 Dimension	长L	460	1000	1000	1440	1650	2120	2400	2850	3360	3810
	宽W	382	800	820	1380	1520	1675	1965	2035	2230	2500
	高H	400	650	880	1065	1230	1475	1660	1939	2095	2100



60T 双立柱双回转式变位机
60T double column double rotation type welding positioner

6T液压变位机
6t hydraulic positioner

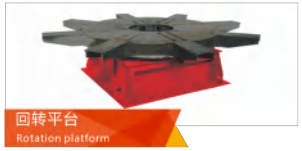
20T变位机
20T welding positioner



头尾式变位机
Head and tail positioner

液压变位机
Hydraulic welding positioner

L型变位机
L type welding positioner



回转平台
Rotation platform

通用设备 切割下料

GANTRY CNC CUTTING MACHINE
龙门式数控切割机

产品介绍：
龙门式数控切割机不仅在外观上更为大气，而且在运行上更加稳定，工作效率高，使用寿命长的优势，并可在横梁上放置小型机载等离子电源：可用于各种炭钢、锰钢、不锈钢等金属材料的大、中、小型钢板下料。该机型横向跨度有3m、4m、6m、8m等多种规格，均采用双边驱动；还可根据用户要求配置多把割炬，或配置成异型切割和直条切割两用切割方式，另可选配电容或等离子自动调高系统及等离子电源。

Product description:
Gantry CNC cutting machine is not only with beautiful shape and also with advantages such as more stable operation, higher work efficiency and longer lifespan. It' s beam can be put small pickaback plasma power, and it' s suitable for different kinds of carbon steel, manganese steel, stainless steel 's big, medium and small steel plate cutting. The cutting machine with different transverse span such as 3m, 4m,6m,8m,etc, all equipped with bilateral drive. And the cutting machine can be equipped with more cutting torches or 2 kinds of cutting mode-abnormal cutting and straight line cutting. It' s also can equipped with optional capacitance, plasma automatic highness adjust system and plasma power.

CNC fiber laser cutting machine

ROUND PIPE CUTTING ROBOT
圆管相贯线切割机器人

产品介绍:

可切割各种碳钢，不锈钢等材质的管材，广泛应用于压力容器、管材加工、网架结构、钢结构、海洋工程、石油管道等行业。

特点:

1.采用焊接式平台，重型导轨提高整体承重量，人性化结构设计人机交换更加方便合理，运行稳定提高寿命。
2.自主研发管材优化数控系统，Auto CAD版工程设计图可直接生成标准G代码，三维仿真操作，节点展开，超长管件分拆，管件优化等，超大的EGES DXF SAT和STL等软件兼容性，终身免费升级可根据用户工 艺需求进行修改。
3.研华工业电脑可直接在机器上进行编程。采用菜单式选择输入切割参数，如外径、壁厚、坡口角度、偏离、补偿数据等。通过专业切管应用程序作无缝连接。

Product description:

Round pipe cutting robot can cut round pipes with different material such as carbon steel, stainless steel, etc. And it's widely used in many industries: pressure vessel, pipe processing, grid structure, steel structure, ocean engineer, petroleum /oil pipeline, etc.

Features:

1 .Use welding platform, heavy type guide rail increase whole loading capacity, and humanized structure design, human-machine exchange is more reasonable and convenient, stable operation increase lifespan.
2.Self-developed pipe optimization CNC control system. AutoCAD type engineer design drawing can generate standard G code, three-dimensional simulation operation, node expansion, over length pipe split, pipe optimization, etc. Software compatibility with EGES DXF SAT and STL, etc. And lifelong upgrade and modification service according to clients'technical requirements.
3.Advantech industrial computer can be programmable for machine directly. Use menu type choose input cutting parameters, such as external diameter, thickness, beveled edges angle, deviation, compensation data ,etc. To make seamless connection through professional pipe cutting application program.

MULTIFUNCTION PIPE PROFILES CUTTING ROBOT
多功能相贯线切割机器人

产品介绍:

可切割各种碳钢，不锈钢等材质的管材广泛应用于建筑幕墙、网架结构、钢结构、海洋工程、游乐设施、健身器材等行业。

Product description:

Multi-function pipe profiles cutting robot can cut pipes with different material such as carbon steel, stainless steel, etc. And it's widely used in many industries: building curtain wall, grid structure, steel structure, ocean engineer, recreation facilities, gym equipment, etc.

特点:

1 .AUTOCAD空间编程系统，配置应用插件，建模简单一目了然，可实现矩形、锥形、多棱、椭圆管等特殊异形管件的切割工艺需求。
2.自主研发管材优化数控系统具有超大的EGES DXF SAT和STL等软件兼容性。
3.越达用户可以终生免费享受特殊切割工艺的开发技术及服务。

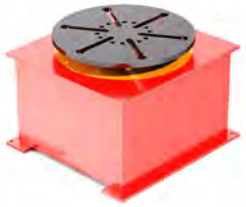
Features:

1 .AUTOCAD space programming system, configuring application plug-in, easy modeling to realize the cutting technical requirement for special pipe fittings: rectangle, cone, polygon, oval, etc.
2.Self-developed pipe optimization CNC control system has compatibility with software as EGES DXF SAT and STL, etc.
3.Cooperated clients can enjoy free service for special cutting technology development and service lifelong.

越达科技 YUEDA TECH.

机器人、工装及机器人工作站

ROBOT, SUPPORTING FIXTURE AND ROBOT WORKSTATION



外部轴水平回转台
External axle horizontal rotation platform

最大载荷（kg） Max load(KG)		
200	500	1000

外部轴双轴变位机
External axle double shaft positioner

最大载荷（kg） Max load(KG)		
200	300	500

L型变位机
L type positioner

最大载荷（kg） Max load(KG)			
500	1000	2000	5000

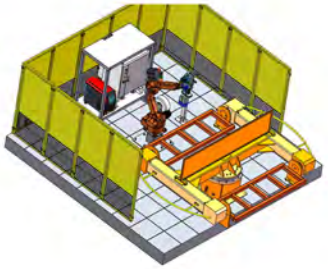
头尾式变位机
Head and tail type positioner

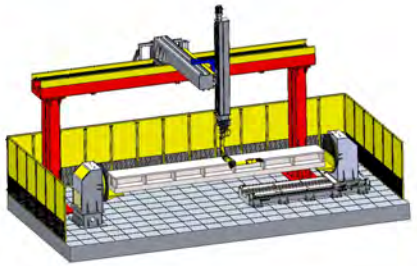
最大载荷（kg） Max load(KG)		
200	500	1000

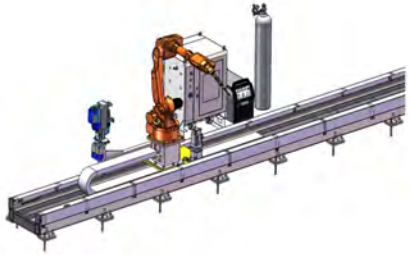
机器人天吊单元
Robot hoisting device

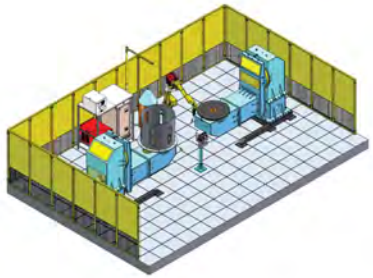
机器人移动行走单元
Robot mobile travelling device

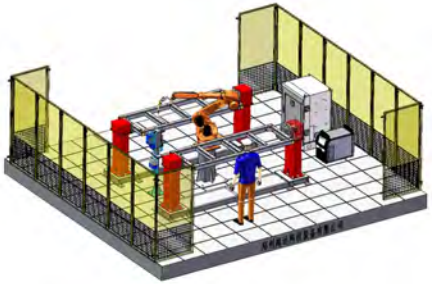
行程范围：1500~150000mm

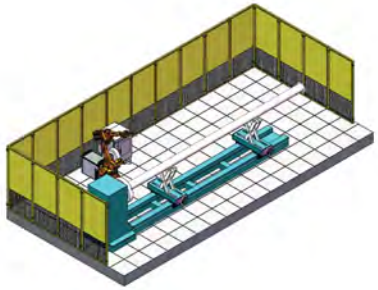












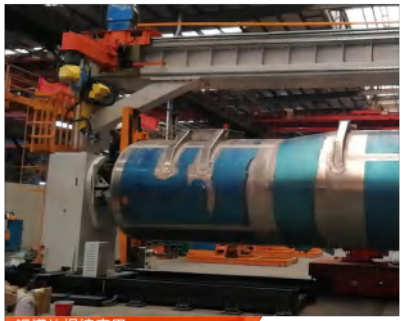
钻杆米管焊接应用
Application of drill pipe meter pipe welding

钻杆挡环焊接应用
Welding application of drill pipe retaining ring

钻杆接管焊接应用
Welding applications for drill pipe nozzles

动臂中段焊接应用
Boom midsection welding applications

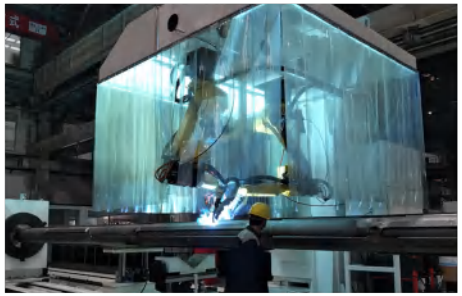
动臂检测应用
Boom detection application



铝罐体焊接应用
Aluminum tank body welding application

半挂车架焊接搬运应用
Semi-trailer frame welding handling applications

钻杆外筋焊接应用
Welding application of drill pipe outer reinforcement



高铁部件焊接应用
High-speed rail component welding applications

容器封头组对应用
Application of container head group

汽配零部件焊接应用
Auto parts parts welding applications

走道板焊接应用
Welding applications for walkway plates

结构件焊接激光跟踪应用
Application of laser tracking in structural welding

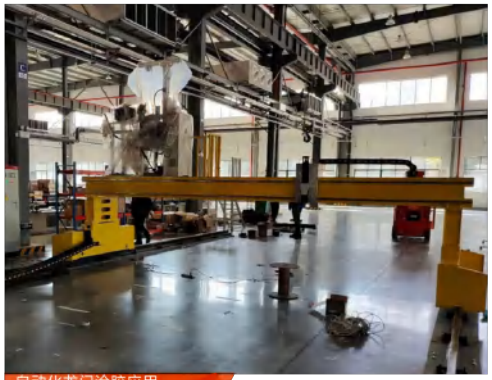
三偏心阀门堆焊应用
Three-eccentricity valve surfacing applications

封头开孔切割应用
Head opening cutting applications

封头附件焊接应用
Head attachment welding applications

工程机械部件焊接应用
Construction machinery parts welding applications

轮毂热锻压搬运应用
Hot forging and pressing handling applications for wheels



自动化龙门涂胶应用
Automatic gantry glue application

机器人龙门焊接应用
Robotic gantry welding applications

机器人喷涂应用
Robot spray applications

倒吊旋转焊接应用
Upside down rotary welding applications

暖通管道行业焊接应用
Welding application in HVAC pipeline industry

铝电极焊接应用
Aluminum electrode welding applications

阳极导杆焊接应用
Anodic guide rod welding applications

钢构件焊接应用
Application of steel component welding

输送辊焊接搬运应用
Conveyor roll welding handling application

托辊支架焊接应用
Supporting roller support welding application

电力塔杆生产线

COMMUNICATION AND ELECTRICITY TOWER POLE PRODUCTION LINE

HYDRAULIC JOINT/ LINKING MACHINE

液压合缝机

该设备主要由龙门式液压合缝机、输送辊道、液压系统和电气控制系统组成。

钢管合缝机最大工作长度12000mm,钢管合缝机，有效宽度为1600mm、有效高度为1680mm,中心高可在780mm和1450mm之间自由调整，对于小于920mm的钢管，应换上主油缸压头接长杆才能完成施工。

该设备适应塔杆的直径范围为300-1600mm。

Hydraulic joint/linking machine mainly composed by one set of gantry hydraulic linking machine, one set of conveying roller, hydraulic system and electric control system. Steel pipe linking machine max work length is 12000mm, effective width is 1600mm, effective height is 1680mm, center height can be adjusted freely between 780mm-1450mm. For the steel pipe smaller than 920mm, should exchange master cylinder pressure head extension bar to finish construction. And it's suitable for tower rod with diameter scope 300-1600mm.

技术参数 MAIN TECHNICAL PARAMETERS

塔杆直径范围Tower rod diameter scope	300-1600mm
塔杆最大长度Tower rod max length	12000mm
上缸压力Upper cylinder pressure	1000KN
上缸缸径Upper cylinder diameter	220mm
侧缸压力Side cylinder pressure	400KN
侧缸直径Side cylinder diameter	140mm
整机功率Whole machine power	11KW

SEAM JOINTING & WELDING MACHINE

合缝焊接一体机

自动合缝焊接一体机主要用于圆形锥管和棱形锥管的自动合缝焊接。也可用于等直径圆形管钢管的合缝焊接。焊接工艺采用埋弧焊工艺。

本设备采用工件移动焊枪固定的方式进行焊接，在焊接时，垂直加压缸和侧向加压缸可根据工件的锥度变化进行同步加压，保证焊缝的间隙和焊枪位置不变，从而保证焊缝连续稳定的焊接。

Automatic seam jointing & welding machine mainly used for the automatic seam jointing and welding for circular cone tube and prismatic taper pipe, and it's also can be used for the seam jointing and welding for equal diameter round steel pipe. Welding technology is submerged arc welding technology.

This equipment adopt work piece move and welding gun fixed method to weld. When welding, vertical pressure cylinder and lateral pressure cylinder can make pressurization simultaneously according to work piece's conicity change to guarantee welding seam gap and welding gun's position no change, and guarantee the stable and continuous welding for welding seam.

产品构成与特点：

该设备由机械系统，液压系统，焊接系统和控制系统等组成。

机械系统包括龙门架体、焊缝错边控制机构、焊缝导向机构、合缝机构、水冷铜托垫、工件运行台车及轨道、升降旋转辊等。

合缝功能由两组侧向压轮组件、垂直压轮组件和底部工件定位块共同完成，四个方向的压力组合完成对工件的纵缝合拢。所有压轮组件均由液压系统驱动，合缝压力可调。

自动焊缝跟踪系统由导向滚轮，压紧滚轮组成。焊枪被固定在跟踪系统上，当焊缝发生偏移时，焊缝跟踪系统能够手动调整焊枪。

Product composition and feature:

The equipment mainly composed by mechanical system, hydraulic system, welding system and control system. Mechanical system includes gantry frame, welding seam misalignment control structure, welding seam guiding structure, seam jointing structure, water cooling copper pallet, work piece travelling trolley and rail, lifting rotating roller, etc.

Seam jointing function is realized by 2 sets of side clamping roller subassembly, vertical clamping roller subassembly and bottom work piece located block, four direction pressure combination make work piece longitudinal seam fold together. All the clamping roller subassembly driven by hydraulic system and seam jointing pressure can be adjusted.

Automatic welding seam tracking system is composed by guiding wheel and clamping wheel. Welding gun is fixed onto tracking system. When welding seam skew, welding seam tracking system will adjust welding gun manually.

INNER AND OUTSIDE LONGITUDINAL SEAM WELDING MACHINE 内、外纵缝焊接专机

电力塔杆内、外纵缝焊接专机是我公司经过多年研发，专为电力塔杆生产企业设计、制造的专用设备。该设备操作简单方便，焊接工作效率高、焊缝成形好，焊接过程中能对焊缝自动跟踪，焊枪自动实现上下、左右的调整。该专机控制系统采用先进的集中控制，使用一个手控盒即能对设备的所有功能和焊接电源的电流、电压进行调整。内纵缝焊接专机配套使用气保焊、外纵缝焊接专机配套使用埋弧焊。

内纵缝焊接专机一次能完成最长12m、直径300mm-1800mm的电力塔杆的内纵缝焊接。该专机在焊枪上配有焊接摆动器，用户可根据焊接要求调整焊缝成形的宽度；在焊枪附近还安装有电视监控摄像头，操作人员通过控制台上的显示器实时观察到焊接时焊缝跟踪的情况。

外纵缝焊接专机能对直径300mm-1800mm的电力塔杆的外纵缝进行焊接。该设备上的埋弧焊机头配有两维跟踪装置，在焊接过程中能根据焊缝的走向自动对焊枪进行调整。该焊接系统还配有焊剂回收机，自动对可用的焊剂进行回收再利用。该套专机可根据用户需要配置成双工位焊接，提高设备使用率。

Electricity tower rod inner and outside longitudinal seam welding machine is our company's years research and development result, which is the professional equipment for electric tower rod production company. This equipment is easy operated, high welding efficiency , good welding seam formation, and can track seam automatically during welding, welding gun can make adjustment up and down, left and right automatically. The welding machine control system adopt advanced centralized control, use a hand control box can adjust the equipment's all functions and welding power's current and voltage. Inner longitudinal seam welding machine match with CO2 shielded welding, outside longitudinal seam welding machine match with submerged arc welding.

Inner longitudinal seam welding machine can finish the inner longitudinal welding for electricity tower rod with max length12m and diameter300-1800mm.The welding machine's welding gun equipped with welding wig-wag, user can adjust the seam formation width according to welding requirement; There installed television surveillance cameras nearby welding gun, operator can observe the welding seam tracking situation from control table's monitor.
Outside longitudinal seam welding machine can make outside longitudinal welding for electricity tower rod with diameter 300mm-1800mm. This equipment's SAW welding head equipped with two dimensional tracking device to adjust the welding gun automatically according to welding seam's trend during welding. This welding system also equipped with solder recycle machine for recycling and reusing the available solder. This equipment can equipped with two working station welding to improve plant utilization factor.

INNER LONGITUDINAL SEAM WELDING MACHINE 内外纵缝焊接专机

越达科技
YUEDA TECH.

CANTILEVER WELDING ROBOT

悬臂式焊接机器人

HUBBED FLANGE WELDING

高颈法兰焊接专机

风电塔筒生产线

WIND POWER TOWER PRODUCTION LINE

风力发电塔杆生产线

产品介绍：

风力发电塔杆生产线是我公司针对风电行业研究开发设计的专用设备。能够自动完成全套风塔的制造。

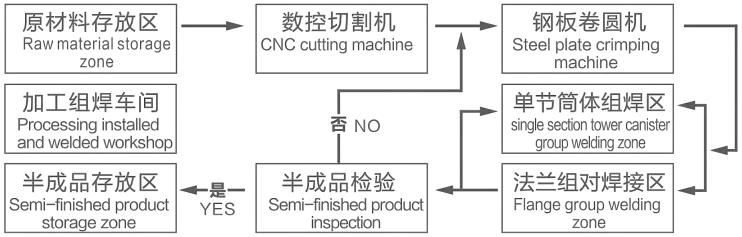
主要包括：

下料切割设备、筒体纵、环缝焊接设备、筒接液压组对设备、法兰自动焊接设备、自动喷砂喷涂设备等，整条生产线可大大提高生产效率，是风电行业的首选产品。

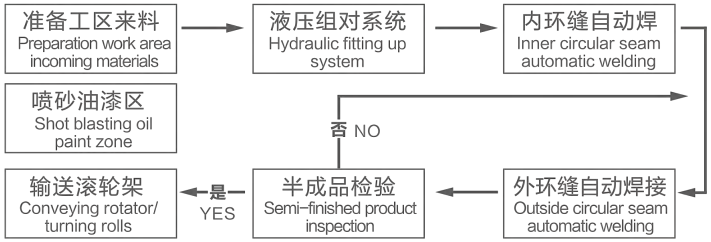
Product description:

Wind power tower production line is the professional equipment which researched and developed by our company for wind power industry, it can finish the whole set wind tower production automatically, it mainly includes: Cutting equipment, tower canister longitudinal and circular seam welding device, tower canister hydraulic fitting up device, flange automatic welding device, automatic shot blasting and painting device, etc. The whole production line can improve production efficiency greatly which is the first choice for wind power industry.

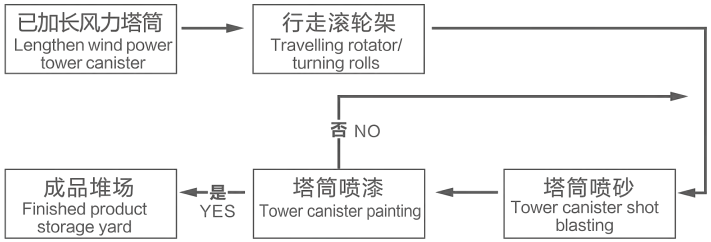
单节塔筒加工区工艺流程
Single section tower canister processing zone technological progress:



多节塔筒加工区工艺流程
Multisection tower canister processing zone technological process



塔筒喷砂喷漆区工艺流程
Tower canister shot blasting painting technological process



风塔生产
WIND TOWER PRODUCTION

风塔外直焊接专机
Wind tower outside straight welding machine

风塔内直焊接专机
Wind tower inside straight welding machine

风塔组对滚轮架
Wind tower fitting up/ assembly welding rotator

风塔外环焊接专机
Wind tower outside girth welding machine

风塔内环焊接专机
Wind tower inner girth welding machine

倾斜滚轮架
Inclined welding rotator

风电单桩焊接设备配置

法兰组对
Flange assembly

环缝工位
Circumferential sewing station

喷砂喷漆
Sand blasting and painting

外场合拢
Outfield closure

纵缝工位-悬臂操作架形式
Longitudinal sewing station

组对接长工位
Group docking station

风电塔筒焊接设备配置

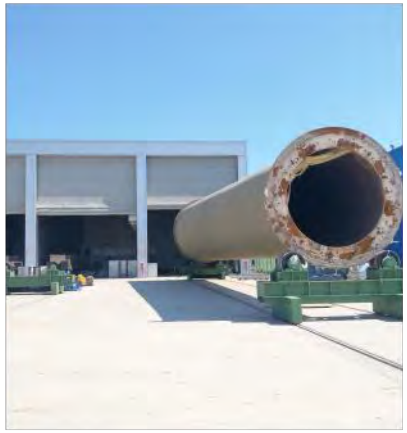
环缝工位-龙门操作架形式
Gantry operation frame

法兰组对工位
Flange assembly station

环缝工位-十字操作架形式
Cross operation frame

环缝工位-悬臂操作架形式
Cantilever operation frame

结构至涂装转运
Transfer from structure to coating



喷砂喷漆工位
Sand blasting and painting station

纵缝工位-龙门操作架形式
Gantry operation frame

组对接长工位
Group docking station

纵缝工位-十字操作架形式
Cross operation frame

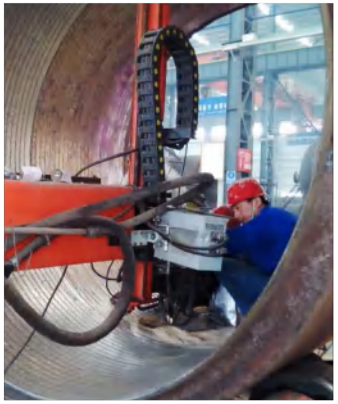
越达科技 YUEDA TECH.

化工压力容器生产线

CHEMICAL PRESSURE VESSEL PRODUCTION LINE

CHEMICAL PRESSURE VESSEL

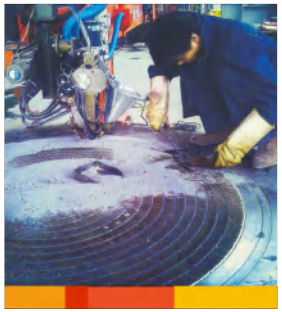
化工压力容器



STRIP SURFACING WELDING 带极堆焊

带极堆焊是采用薄板式宽电极和大电流且又能实现自动焊的堆焊方法。由于堆焊效率高，可得到美观、稳定的堆焊层，已广泛应用在各工业领域，特别是冶金工业的轧辊耐磨层堆焊和石化、核工业容器的内表面耐蚀层堆焊。它的熔敷速度是其他方法的十几倍至几十倍。

Strip surfacing welding adopt surfacing welding methods that thin plate type wide electrode, big current and automatic welding. Because surfacing welding with high efficiency and beautiful& stable surfacing layer available, it’s widely used in many industries especially roll wearing layer surfacing in metallurgical industry, and inner surface wearing layer surfacing in petrochemical and nuclear industry container. It’s cladding speed is dozen times of other methods.



STRIP SURFACING WORKPIECE
带极堆焊工件

ELECTRONIC ANTI-DRIFT ROTATOR
电子防窜滚轮架

防窜焊接滚轮架可以利用光电编码器检测工件的窜动量，系统控制器控制从动滚轮的升降。位移检测架检测轮能随工件一起转动，当工件轴向移动时，检测轮会随工件一起随动，光电编码器检测到工件的窜动量和窜动方向，其信号输入到系统控制器进行处理。控制器会根据窜动量的大小来调节从动滚轮的升降行程、升降速度和升降间隔时间，根据窜动方向控制升或降。工件的窜动量始终在-1.5mm和+1.5mm之间波动,这样,工件的窜动被限制在一定的范围内，能满足焊接的需要。尤其满足大型厚壁容器的环缝焊接。

Electronic anti-drift rotator use photoelectric decoder detects work piece’s displacement, system controller control driven rotator’s lifting up and down.
Offset inspection frame ‘s inspection wheel can rotate with work piece. When work piece make axial movement, inspection wheel will follow-up with work piece, photoelectric decoder detects work piece’s displacement and moving direction, its signal put into system controller. Controller will adjust driven rotator’s lift, lift speed and lift interval time according to magnitude of displacement, and control lift up and down according to displacement direction. Work piece’s displacement always between -1.5mm and +1.5mm, so the work piece’s displacement is limited in a certain scope to meet welding requirement, especially meet the circular welding for large thick wall vessels.

NARROW - GAP WELDING SYSTEM
窄间隙焊接系统

一、窄间隙操作机的用途
USAGE OF NARROW-GAP WELDING SYSTEM

窄间隙焊接系统适用于重型压力容器制造中的筒体环缝、纵缝的丝极埋弧焊接。

Narrow-gap welding system suitable for tank body's circular seam and longitudinal seam's filament submerged arc welding for heavy pressure vessel.

二、窄间隙焊功能简介
NARROW-GAP WELDING FUNCTION BRIEF DESCRIPTION

1、窄间隙机头

窄间隙机头由十字滑板、焊缝跟踪机构、送丝电机、焊枪及焊嘴摆角机构、双向校直机构、焊剂斗、焊丝盘、激光灯、照明灯等组成。

★十字滑板采用交流伺服电机涡轮减速机驱动滚珠丝杠传动，导向机构采用直线导轨，安装电器及机械行程限位等。在焊接过程中根据跟踪焊缝位置的偏差随机调整焊头位置。

★跟踪机构采用接触式跟踪方案、配置高精度位移传感器及跟踪传动装置等。通过接触检测焊接位置的变化、将机械变量传递给位移传感器、再输送到控制控制电路，控制十字滑板的动作，起到跟踪作用。

★窄间隙焊枪体、摆动嘴均采用合金铜材料制作，表面喷涂陶瓷高温绝缘材料，焊嘴摆角机构采用步进电机涡轮减速机驱动，通过人机界面控制焊嘴的摆动。

★双向校丝机构采用两套双调节校正方案，完成焊丝的校直，调整简单，操作灵活。

★焊接机头上安装有照明灯、焊道激光灯、焊剂斗、焊丝盘等，照明电源与控制系统通过隔离变压器电源分开。

CNC SADDLE WELDING MACHINE
数控马鞍形焊割机

一、设备的用途

数控马鞍型焊割机悬挂在操作机上使用，主要用于锅炉压力容器类接管马鞍型相贯线焊口的切割与埋弧自动焊接。

也可以用于环缝、纵缝的埋弧自动焊接。配置气路旋转接头及火焰切割装置，实现工件的马鞍型相贯线的火焰切割。

Equipment usage

CNC saddle welding machine hang on welding manipulator and mainly used for boiler pressure vessel type saddle intersecting line welded junction's cutting and automatic submerged arc welding. It's also can be used for circular seam and longitudinal seam's automatic submerged arc welding. And it equipped with air channel rotating joint and flame cutting device to realize flame cutting of saddle intersecting line.

二、设备的组成及特点

数控马鞍型焊割机由横移倾角机构、焊接机头、送丝机构、电器控制箱、焊接控制箱、焊接电源等组成。安装在焊接操作机横梁前端，配合操作机的横梁升降伸缩及立柱旋转，完成马鞍机头与预焊接工件的位置调整。

Equipment components and features

CNC saddle welding machine mainly composed by side-step dip angle structure, welding head, wire feed structure, electric control box, welding control box and welding power, etc. It installed front end of welding manipulator beam, match up with manipulator's beam lift and stretch and column rotation to achieve the position adjustment of saddle nose and work piece to be welded.

K-TIG EFFICIENT DEEP PENETRATION WELDING MACHINE
K-TIG高效深熔自动焊专机

产品特点：

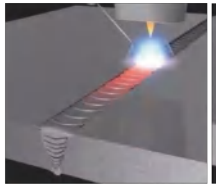
1、实现焊接过程自动化。
2、操作简单、焊接速度快，速度是普通TIG/GTAW的5~10倍以上。
3、在一定厚度下，焊接工作不用开坡口，能实现单面焊双面成型、焊缝美观、变形量小，背面不必清根。
4、背面焊缝宽度2~3毫米，正面焊缝宽度通常为板厚度的1.5倍左右。
5、单面焊双面成型，不需开坡口和添加焊材便可实现凸焊缝，必要时可同步盖面。
6、焊接容错率高，在一定厚度下，焊接工作的间隙及错边量可达到2毫米。
7、焊接包括碳素合金钢、不锈钢、钛合金、镍基合金、钴合金和锆等材料，能保证超常的焊接速度和质量。
8、是上述材料厚板焊接的首选，碳素合金钢的一次焊穿厚度为9毫米、不锈钢及镍基合金等为13毫米、钛合金、钴合金和锆等为15毫米，超过焊接厚度部分需开“V”坡口。
9、焊接过程采用氩气保护。
10、焊接效率高，能耗低。
11、设备维护成本低。

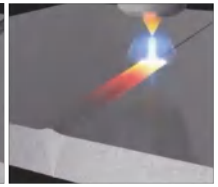
PRODUCT FEATURES:

1.Realize automatic welding.
2.Easy operation, faster welding speed: K-TIG high efficient deep penetration welding machine welding speed is 5-10 times of common TIG/GTAW welding speed.
3.In a certain thickness scope, welding work piece no need bevel cutting, single side welding two sides in shape, beautiful welding seam, small distortion, the reverse side no need back chipping.
4.Reverse side welding seam width is 2-3mm, front side welding seam width normally is 1.5 times of steel plate thickness.
5.Single side welding two sides in shape, no need bevel cutting and add welding material to realize convex weld, cosmetic welding simultaneously available if necessary.
6.High welding error-tolerant rate: in a certain thickness scope, work piece’s gap and unfitness of butt joint can be 2mm.
7.Welding includes carbon alloy steel, stainless steel, titanium alloy, nickel base alloy, cobalt alloy, zirconium, etc. Guarantee high welding speed and quality
It’s the first choice for thick steel plate with the above materials. Carbon alloy steel’s weld penetration thickness is 9mm; Stainless steel and nickel base alloy is 13mm; titanium alloy, cobalt alloy, zirconium is 15mm. The material which thicker than the above welding thickness need V type beveled edges cutting to meet welding requirement.
8.Welding process with argon protection.
9.High welding efficiency, low energy consumption, low equipment maintenance cost.

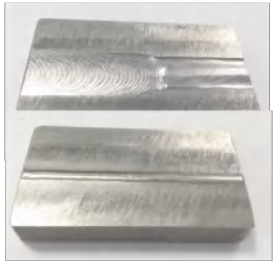
该焊接系统具备普通TIG焊美观的盖面效果，又具备等离子焊超强穿透力的特点

The welding system with the beautiful cap weld effect of common TIG welding and also have the super penetration feature of plasma welding.

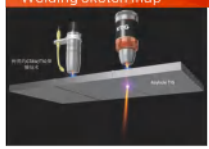


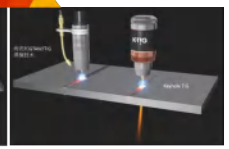


焊接效果
Welding effect



焊接示意图
Welding sketch map





DEEP FUSION WELDING EQUIPMENT CASE PICTURE
深融焊设备案例图片

一、HTIG-1000型号

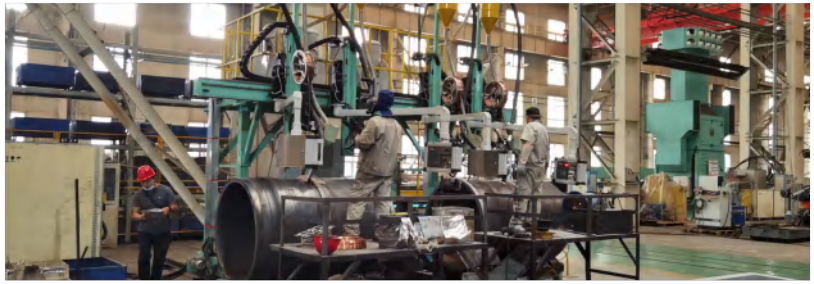
二、HTIG-700型号

三、HTIG-500型号

堆焊 再制造

SURFACING REMANUFACTURING

堆焊、再制造



FOUR HEAD ROLL SURFACING WELDING MACHINE

四头轧辊堆焊

SMALL PIPE INNER SURFACING WELDING MACHINE

小管内壁堆焊

SIX HEAD ROLL SURFACING WELDING MACHINE

六头轧辊堆焊

单头轧辊堆焊
Single head roll surfacing welding machine

法兰堆焊专机
Flange surfacing welding machine

VALVE SURFACING WELDING MACHINE
阀门堆焊

WORK PIECE 工件

公司发展方向

DEVELOPMENT DIRECTION

公司发展方向

现在以及未来，越达科技自动化焊接装备的制造技术和发展呈现出如下趋势:

高精度、高速度、高质量、高可靠性

越达科技自动化焊接系统正朝着高精度、高速度、高质量、高可靠性方向发展。我们的系统的控制器以及软件有很高的信息处理速度，而且系统各运动部件和驱动控制具有高速响应特性，同时电气装置具有很好的控制精度。

集成化

越达科技自动化焊接装备的集成化技术包括硬件系统的结构集成、功能集成和控制技术的集成。越达自动化焊接设备的结构都采用模块化设计，根据不同客户对系统功能的要求，进行模块的组合。而且其控制功能也采用模块化设计，根据用户需要，可以提供不同的控制软件模块，提供不同的控制功能。模块化、集成化使系统功能的扩充变得极为方便。越达自动化焊接装备要形成规模化发展，首先是由单机制造的方式转为批量化方式，单一工作站方式转为上下游工业集成方式，多工位方式转为整体规划方式。因此我们在技术标准化、生产线解决方案方面加大了研发投入。

智能化

越达科技将先进的传感技术、检测技术、计算机技术和智能控制技术应用于自动化焊接设备中，使其能在各种复杂环境、变化的焊接工况下实现高质量、高效率的自动焊接。智能化的自动化焊接装备，不仅可以根据指令完成自动焊接过程，而且可以根据焊接的实际情况，自动优化焊接工艺、焊接参数。例如,在焊接厚大工件时,可以根据连续实测的焊接工件坡口宽度，确定每层焊缝的焊道数、每道焊缝的熔敷量及相应的焊接参数、盖面位置等，而且从坡口底部到盖面层的所有焊道均由焊机自动提升、变道，完成焊接。

柔性化

越达科技的考虑到客户的大型自动化焊接装备或生产线一次投资相对较高，于是在设计这种焊接装备时提前考虑柔性化，形成柔性制造系统，以充分发挥装备的效能，满足同类产品不同规格工件的生产需要。在柔性化方面，广泛采用焊接机器人作为基本操作单元,组成焊接中心、焊接生产线、柔性制造系统和集成制造系统。采用柔性化夹具,适用不同类型产品的焊接。

网络化

现代网络技术的发展，促进了焊接自动化装备管控一体化技术的发展。越达科技通过网络，利用计算机技术、远程通信技术等，将生产过程自动控制一体化，实现脱机编程,远程监控、诊断和检修。

随着我国装备制造业技术水平的提升，焊接结构向规模化、大型化、高参数化和精密化方向发展，传统手工焊接已不可能满足现代装备制造技术要求。西气东输工程、航天工程、船舶工程、大型客车和高速铁路车辆等国家大型基础装备和工程过去大量采用国外部件，现在则国产化率在不断提高，这就迫切需要国产焊接装备的配套。焊接自动化已经成为我国工业现代化的必然要求。郑州越达科技装备有限公司力将抓住这次发展的历史机遇，稳中求进，创新发展！

COMPANY DEVELOPMENT DIRECTION

From now and in the future, Yueda Tech. manufacturing technology and development trend as bellows:

High Accuracy, High Speed, High Quality, High Reliability
Yueda Tech. automatic welding system development towards high accuracy, high speed, high quality and high reliability. Our system controller and software with high information processing speed, and system all moving parts and driving control with high speed response feature and electrical device with good control accuracy.

Integration
Yueda Tech. automatic welding equipment' s integration technology includes structure integration& function integration of hardware system, and control technology integration. Yueda Tech. automatic welding equipment structure with modular design which can make module combination according to different clients' requirements for system functions. Besides, its control system also with modular design to offer different control software module and different control functions according to clients' requirements. It' s more convenient to expand system functions due to modularization and integration. If Yueda Tech. automatic welding equipment form into scale development, firstly the single unit production mode turn into batch mode, single work station mode turn into upstream and downstream firm industry integration mode, multiple work station mode turn into overall planning mode. So we increase our R&D investment for technology standardization and production line solution.

Intelligence
Yueda Tech. apply advanced sensor technology, detecting technology, computer technology and intelligent control technology to automatic welding equipment, so it can offer high quality and high efficiency automatic welding in different sophisticated environment and variable welding condition. Intelligent automatic welding equipment not only finish welding process according to order, but also optimize welding technology and parameters automatically according to welding actual situation. Such as when welding thick and big work piece, it can confirm each layer welding seam' s welding bead quantity, each welding bead seam' s deposition quantity and related welding parameters, flap surface position according to welding work piece' s bevel width with continuous measured. And all the welding beam welded by welding machine automatic lifting and lane change from bevel bottom to flap surface layer.

Flexibility
Yueda Tech. concerned clients' high one-time investment for large automatic welding equipment and production line, so we consider the flexibility in advance when we deign the welding equipment, to form flexible manufacturing system, exert equipment efficiency fully to meet production requirement for same kind product with different types of work pieces. In the aspect of flexibility, widely used welding robot as basic operation unit to form into welding center, welding production line, flexible manufacturing system and integration manufacturing system. With flexible clamp tool to suit the welding for different kinds of products.

Networking
The modern network technology development promoted welding automatic equipment integration technology of management and control. Yueda Tech. use website, computer technology and remote communication technology to realize automatic control integration for production process and realize offline programming, remote monitoring, diagnose and maintenance.
As the promotion of our country equipment manufacturing industry technical level, welding structure towards the development for large scale, large size, high parameter and refinement. Traditional manual welding can not satisfy modern equipment technology requirements. Large national basic equipments and construction like west-east gas transmission project, Aerospace project, ship engineering, large bus and high speed railway vehicles mainly purchased foreign brand equipments in the past, now the localization rate improved continuously. So national welding equipment supporting needed urgently. Welding automation becomes the inevitable requirement for our country industrial modernization. Zhengzhou Yueda Technology Equipment Co., Ltd will grasp this historical opportunity for development, make progress while ensuring stability, innovation and development!