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中文官网



Web in English

浙江臻博精密机械有限公司

地址：浙江省温州市乐清经济开发区纬七路 289 号
电话：0577-61517751 61517752
传真：0577-61517750
邮箱：zb@cnzhenbo.com;
网站：www.cnzhenbo.com

ZHEJIANG ZHEN BO PRECISION MACHINERY CO., LTD.

Add : NO.289, Weiqi Road, Yueqing economic development zone,
Wenzhou City, Zhejiang Province, PRC.
Tel : 0577-61517751 61517752 Fax : 0577-61517750
E-mail : info@cnzhenbo.com
Web site : www.mp-sonic.cn



浙江臻博精密机械有限公司
Zhejiang Zhen Bo Precision Machinery Co., Ltd.

CNZHENBO
臻博机械

MP Sonic®
Welding and cutting system

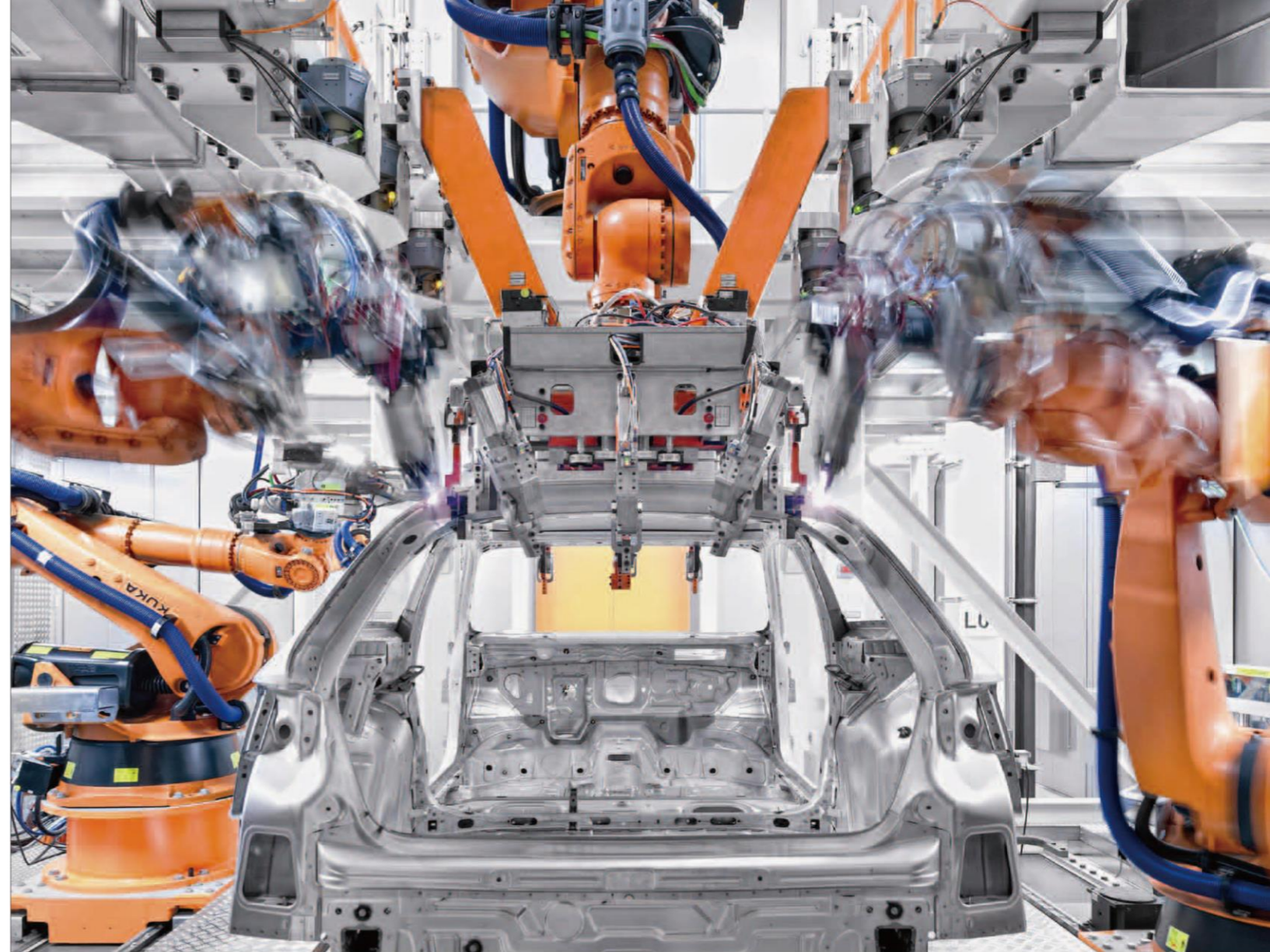
一直专注于焊接设备

焊接设备专家

WELDING EQUIPMENT EXPERT
Focus on welding more than ten years

FROM 0 TO 1

从0到1的突破



突破，随着时间的历练而日臻完美。我们将科技与工艺的默契交融再次提升，不仅仅那动静之间所散发出的成熟气息，更有那日趋稳健的卓越保障。这一切也正与您不断醇熟的气质交相辉映，以卓尔不凡的风格，静待心悦者悠然与您同行。

The breakthrough will be perfecting over the time.
We improve the integration of technology and craft further,
not only the mature breath it sends out, but also the robust excellent guarantee
It is merged with your temperament,
and expecting the willingly person all the way with excellent style.

关于我们

浙江臻博精密机械有限公司成立于2012年，是一家专注于焊接和切割工艺领域，集研发、生产、销售和服务为一体的国家高新技术企业。公司建立了专业的研发团队，成功突破了欧美发达国家在领域内的多个技术封锁，已居于世界实力顶尖阵营。

经过多年努力，除了中国大陆以外，臻博机械的用户遍布全球，如美国、法国、俄罗斯、意大利、波兰、突尼斯、韩国、乌兹别克斯坦、越南、印度、伊朗、泰国、南非、巴西、墨西哥、阿根廷等国家，已经与国内外众多知名企业建立了长期稳定的合作关系，且在多国完成了战略部署以便更好地服务于市场。

公司积极推进科学化管理，通过了ISO9001质量管理体系认证，主要产品已经通过CE/EAC等认证；先后获得了“温州市科技型企业”、“浙江省科技型中小企业”、“浙江省制造业首台（套）产品”、“国家高新技术企业”等荣誉称号。

同心而动，聚力生辉，面对未来，公司将以“高效创新、追求卓越”为宗旨，不断进取，持续创新，用更可靠的产品和更优质的服务为客户创造价值，与客户共同进步。

ABOUT US

Zhejiang Zhenbo Precision Machinery Co.,Ltd is the manufacturing factory of MP-SONIC set in China in 2012. MP-SONIC is a company set since 2006 devoted the R & D the procedure and equipment for welding & cutting. Now MP-SONIC is well-know all over the world for its high technology and stable machine quality. Various patents are awarded to our R & D result.

Except China Mainland, MP Sonic has sold many countries all over the world, such as USA, Italy, Poland, France, Tunisia, Russia, Korea, Vietnam, Iran, Uzbekistan, Thailand, India, Indonesia, South Africa, Brazil, Mexico, Argentina, etc, having setting long-term cooperation with many famous enterprises all over the world, successfully set up branch or representative office in some countries for better service to our market.

We have past ISO 9001:2015 certificate. Our standard machine, including ultrasonic welder, vibration welder, hot plate welder & infrared welder has been got CE or EAC certificate. Company has be granted with different title of honor by China Government.

In the future, we would like to work with our regular and new clients around world, and to create more values with our improvement in technology, reliable products and good service.

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质量方针：给客户提供高品质的产品和优质的服务
企业精神：高效创新，博采众长

Corporate Version: Create value for client, provide stage for team members;
Quality Principle: Provide high quality products and great service for customer;
Corporate Value: Efficiency & innovation, be openhearted.

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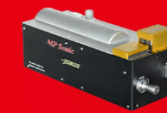
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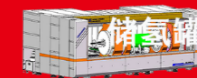
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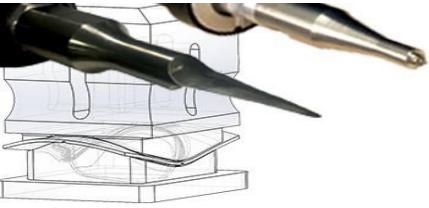


热熔铆接设备
Heat Stacking Equipment

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定制化设备
Customized Equipment



ZB/MSP-A 动态压力触发系列 Dynamic Pressure Trigger Series

型号Model Code:	-AT4010	-AT3512	-AT2032	-AT2040	-AT1532	-AT1542	-AT1556
频率Frequency	40KHz	35KHz	20KHz	15KHz			
功率Power Output	1000W	1200W	3200W	4000W	3200W	4200W	5600W
模式Operation Mode	时间, 能量, 动态压力触发和外部触发 Time, Energy, Dynamic Pressure Trigger & External Trigger						
类型Ultrasonic Type	IGBT						
振幅调整AMP Adjust	10~100%						
焊接分阶Weld-Stage	4阶控制4Stages Control						

ZB/MSP-A 伺服控制系列 servo Controlled Series

型号Model Code:	-AS4010	-AS3512	-AS2032	-AS2040	-AS1532	-AS1542	-AS1556
频率Frequency	40KHz	35KHz	20KHz	15KHz			
功率Power Output	1000W	1200W	3200W	4000W	3200W	4200W	5600W
模式Operation Mode	时间, 能量, 动态压力触发, 深度和外部触发 Time, Energy, Dynamic Pressure Trigger, Depth & External Trigger						
类型Ultrasonic Type	IGBT						
振幅调整AMP Adjust	10~100%						
焊接分阶Weld-Stage	4阶控制4Stages Control						

ZB-E型高功率系列 Economical Series Low Power

型号Model Code:	-E1532	-E1542
频率Frequency	15KHz	
功率Power Output	3200W	4200W
模式Operation Mode	时间, 能量和外部触发 Time, Energy, External Trigger	
类型Ultrasonic Type	IGBT	
振幅调整AMP Adjust	10~100%	
焊接分阶Weld-Stage	4阶控制4Stages Control	



ZB-E型低率系列 Economical Series Low Power

型号Model Code:	-E4010	-E3512	-E2020	-E1526
频率Frequency	40KHz	35KHz	20KHz	15KHz
功率Power Output	1000W	1200W	2000W	2600W
模式Operation Mode	时间, 能量和外部触发 Time, Energy, External Trigger			
类型Ultrasonic Type	IGBT		IGBT	
振幅调整AMP Adjust	10~100%		10~100%	
焊接分阶Weld-Stage	4阶控制4Stages Control			



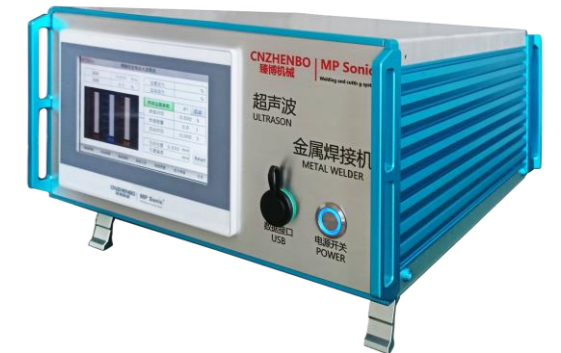
Type-L Type-I

ZB-G手持系列 Handheld Series

型号Model Code:	-L/I4010	-L/I3512
频率Frequency	40KHz	35KHz
功率Power Output	1000W	1200W
模式Operation Mode	Time, Energy, External Trigger	
类型Ultrasonic Type	IGBT	
振幅调整AMP Adjust	10~100%	
焊接分阶Weld-Stage	3Stages Control	

高端超声波发生器 Advanced Ultrasonic Generator

频率Frequency	15~60KHz
功率输出Power	800~6000W
超声波类型Powered by	IGBT
伺服驱动	IOP操作系统
可选功能Optional	Servo Driver



关键部件 Critical Element



Generator



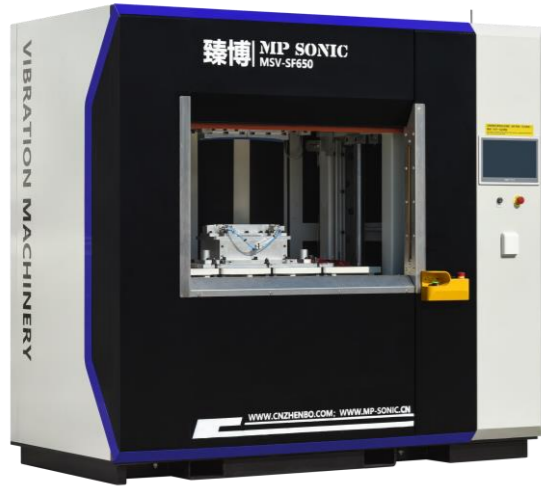
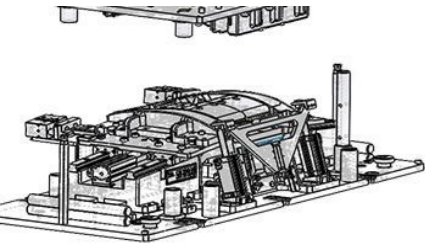
Converter



Booster



Welding Tooling

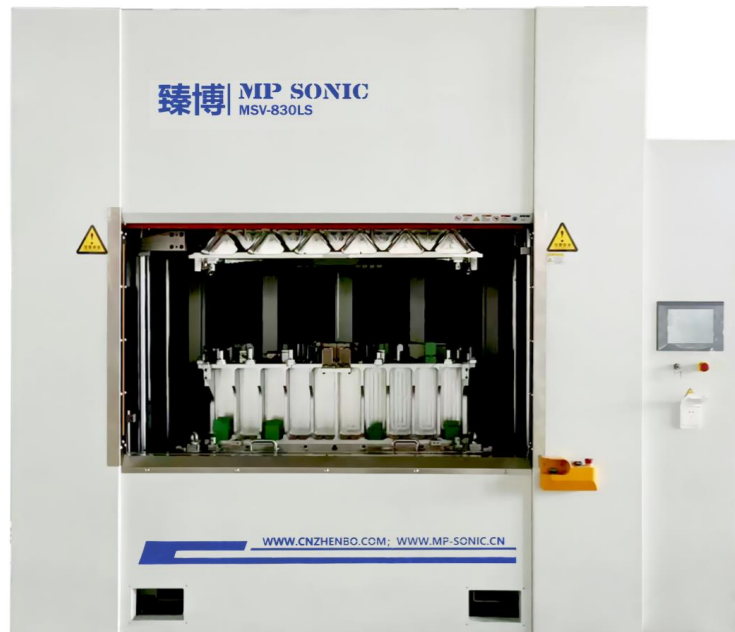


ZB/MSV-SF 高频系列 High Frequency Series

型号 Model:	SF830	SF730	SF715	SF650	SF630	SF515
最大频率 Frequency Max.	365Hz					
最大振幅 Amplitude Max.	1.2mm					
振动负载能力 Loading Max.	100KG	70KG	55KG	40KG	30KG	15KG

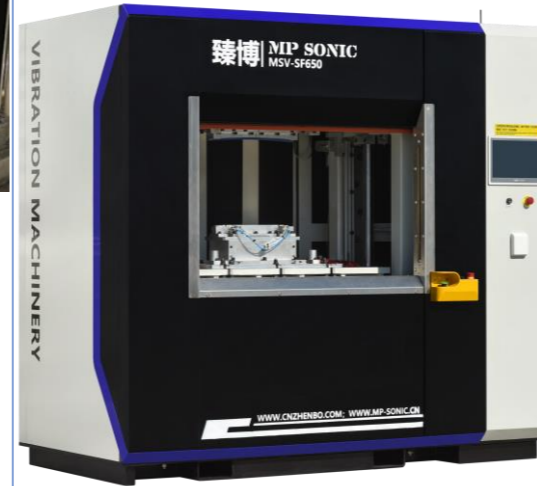
ZB/MSV-LS 中频系列 Middle Frequency Series

型号 Model:	830LS-HF	730LS	715LS	650LS	630LS	515LS
最大频率 Frequency Max.	280Hz					
最大振幅 Amplitude Max.	1.8mm					
振动负载能力 Loading Max.	100KG	70KG	55KG	40KG	30KG	15KG



ZB/MSV-LS 低频系列 Low Frequency Series

型号 Model:	930LS	830LS
最大频率 Frequency Max.	170Hz	
最大振幅 Amplitude Max.	4.0mm	
振动负载能力 Loading Max.	200KG	150KG



MSV-IR 红外预加热系列 IR Pre-Heating Series

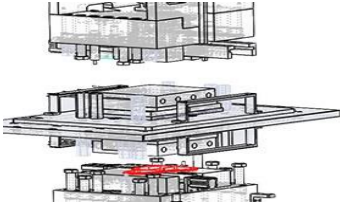
型号 Model:	830H-IR	730-IR	650-IR
最大频率 Frequency Max.	LS: 280Hz, SF: 360Hz		
最大振幅 Amplitude Max.	LS: 1.8mm, SF: 1.2mm		
振动负载能力 Loading Max.	100KG	70KG	40KG

选配: 设备升降标准为伺服液压系统控制, 根据需求可以选配纯伺服控制系统。

Optional Feature: The standard control system for elevation of lower jig bed is by servo hydraulic system, pure servo system can be applied instead of hydraulic system as paid option.

应用案例 Projects Samples





ZB-RB-P气动系列MSH Pneumatic Series

型号Mode:	-5030	-6550
模板尺寸Fixture Plate(mm):	450*300	660*420
最大焊接尺寸Welding Size Max.(mm)	300*260	652*400
焊接施压Welding Forced by:	气缸Pneumatic Cylinder	
中模控制Hot Platen Driven by:	气缸Pneumatic Cylinder	



ZB-RB中小型伺服系列MSH-S Small-Middle Servo Series

型号Mode:	-5030S	-6550S
模板尺寸Fixture Plate:	450*300mm	660*420
最大焊接尺寸Welding Size Max.	300*260mm	652*400
焊接施压Welding Forced by:	伺服系统Servo System	
中模控制Hot Platen Driven by:	Optional: A. 气缸Pneumatic; B. 伺服Servo System	



ZB-RB中大型伺服系列MSH-S Middle-Big Servo Series

型号Mode:	-8060S	-13075
模板尺寸Fixture Plate:	880*650	1300*750
最大焊接尺寸Welding Size Max.	800*600	
焊接施压Welding Forced by:	伺服系统Servo System	
中模控制Hot Platen Driven by:	伺服Servo System	



备注: 臻博机械可根据客户需求设计特殊规格热板焊接设备。
Remark: MP Sonic designs special hot plate welding machine specification according to customer's requirement.

应用案例Projects Samples





红外线滤芯焊接机 Filter IR Welding Machine

型号 Mode:	ZB/MSH-IR1020	ZB/MSH-IR3035
结构形式/Consture Type	双工位 double Station	卧式 Horizontal
滤芯直径 Filter Diameter	Φ40~100mm	Φ100-300mm
滤清长度 Filter Length.	Max to 200mm	Max to 350mm



ZB中小型立式红外焊接机 MSH-IR Small-Middle Vertical IR Welder

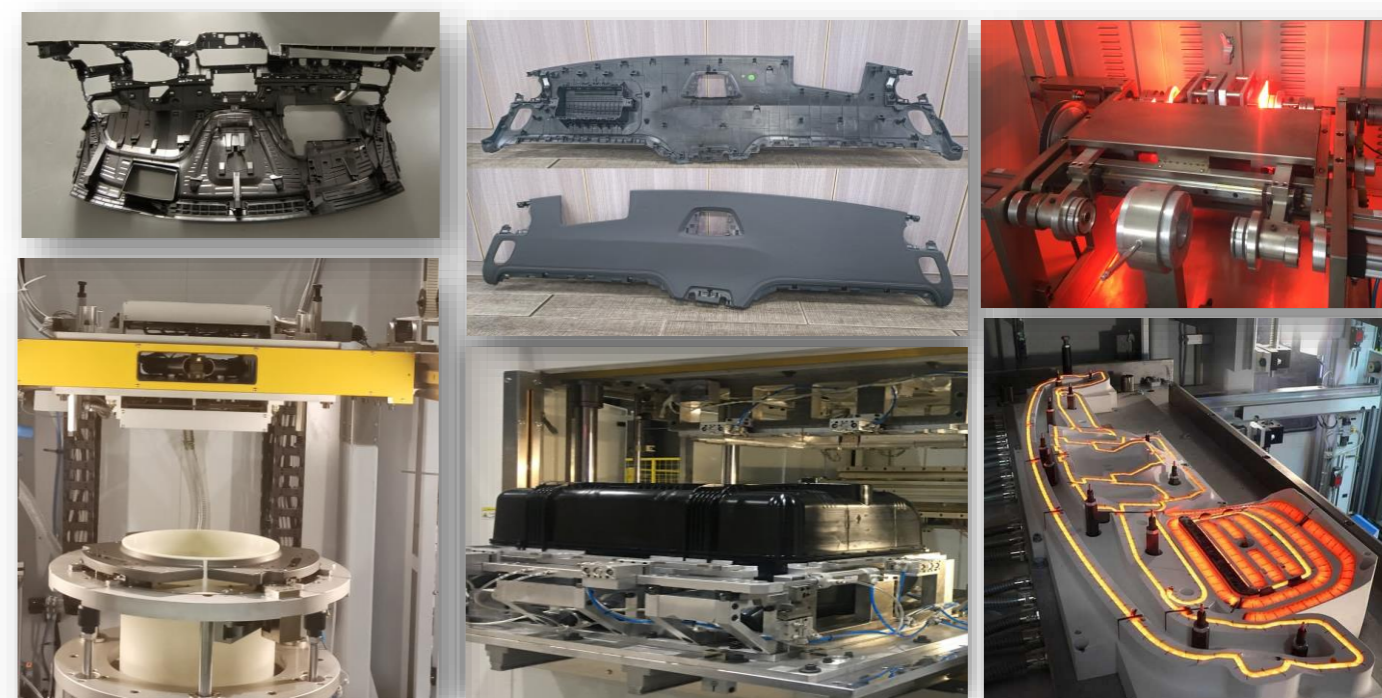
型号 Mode:	-IR5030	-IR6550
模板尺寸 Fixture Plate:	450*300mm	660*420
最大焊接尺寸 Welding Size Max.	300*260mm	652*400
焊接施压 Welding Forced by:	伺服系统 Servo System	
中模控制 Hot Platen Driven by:	伺服 Servo System	



备注: 臻博机械可根据客户需求设计特殊规格红外焊接设备。

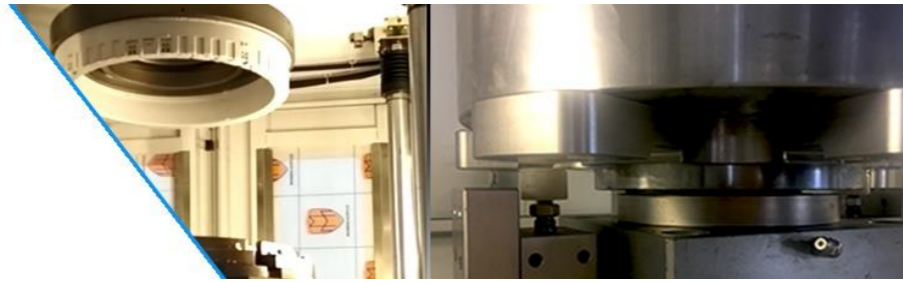
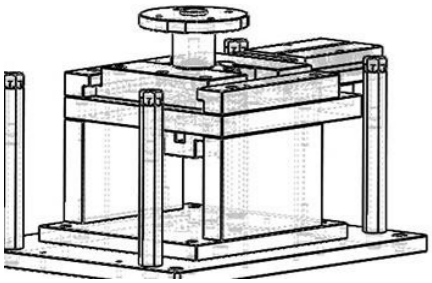
Remark: MP Sonic designs special infrared welding machine specification according to customer's requirement.

应用案例 Projects Samples



ZB中大型立式红外焊接机 MSH-S Middle-Big Vertical IR Welder

型号 Mode:	-8060S	-13075
模板尺寸 Fixture Plate:	880*650	1300*750
最大焊接尺寸 Welding Size Max.	800*600	
焊接施压 Welding Forced by:	伺服系统 Servo System	
中模控制 Hot Platen Driven by:	伺服 Servo System	



ZB-XR单立柱旋转机MPS-E Economical Spin Welder

型号Mode Code:	MPS-T3KTP
最大功率Power Max.	3000W
焊接主轴Welding Spindle	伺服系统在上Servo System at Top
设备结构Construct	单立柱Single Rod
焊接施压Welding Force	气动在上by Pneumatic at Cylinder

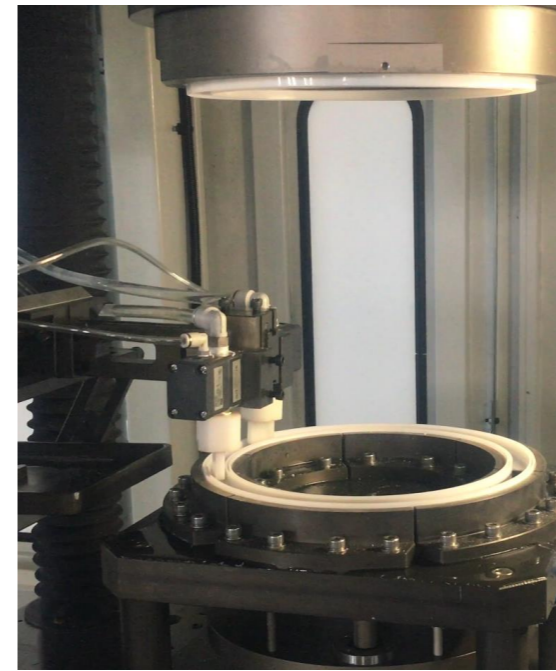
ZB-XR增强型下主轴系列MPS-B Reinforced Series

型号Mode Code:	-B3KTP	-B5KTP	-B7.5KTP	-B11KTP	-B15KTP
最大功率Power Max.	3000W	5000W	7500W	11000W	15000W
焊接主轴Welding Spindle	伺服系统在下Servo System at Bottom				
设备结构Construct	4立柱4 Rods				
焊接施压Welding Force	气动在上by Pneumatic Cylinder at Top				



ZB-XR增强型上主轴系列MPS-T Reinforced Series

型号Mode Code:	-T3KBP	-T5KBP	-T7.5KBP	-T11KTP	-T15KBP
最大功率Power Max.	3000W	5000W	7500W	11000W	15000W
焊接主轴Welding Spindle	伺服系统在上Servo System at Top				
设备结构Construct	4立柱4 Rods				
焊接施压Welding Force	气动在下by Pneumatic Cylinder at Bottom				



备注: 臻博机械可根据客户需求设计特殊规格旋转焊接设备。

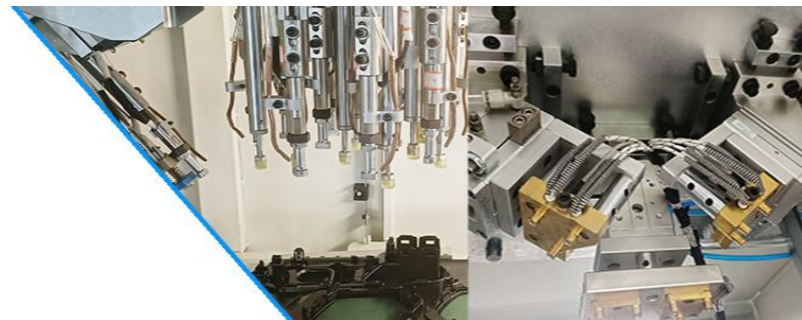
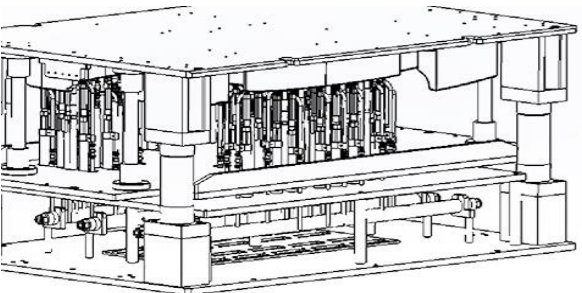
Remark: MP Sonic designs special spin welding machine specification according to customer's requirement.

应用案例Projects Samples



热熔 铆接设备

Heat Stacking Equipment



臻博机械根据您的需求设计和制造热熔铆接设备。

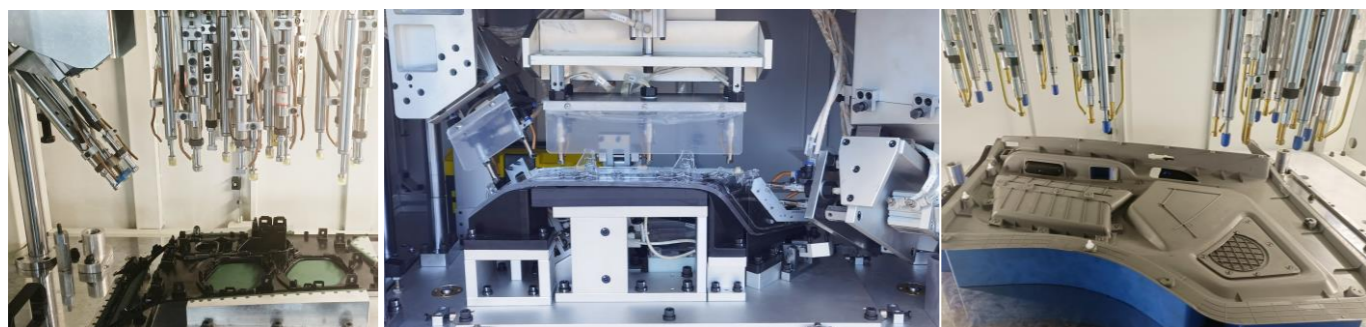
MP Sonic designs & manufactures laser equipment for plastic heat stacking.

ZB-RP门板热熔铆接系列MSR-MC Series for Door Trim

- 型号Model: MSR-MC100S
- 铆接模具尺寸Stacking Tooling Size: L1280*W1100*H550 (mm)
- 铆接施压Stacking Forced by: 伺服系统Servo System
- 铆接温度Temperature Range: 0~300°C
- 铆接头数量Stacking Points: 可达100点Max to 100 Points



应用案例Projects Samples



热熔埋植设备

Heat Embedding Equipment



臻博机械根据您的需求设计和制造热熔埋植设备。

MP Sonic designs & manufactures laser equipment for embedding metal pieces into plastic material.

应用案例Projects Samples





臻博机械根据您的需求设计和制造用于塑料焊接，切割和开孔的激光设备

MP Sonic designs & manufactures laser equipment for plastic welding, cutting & holing according to you requirement.

应用案例 Projects Samples



ZB-JS超声波线束焊接系列 MSP-JS Ultrasonic Wire Splicing Series

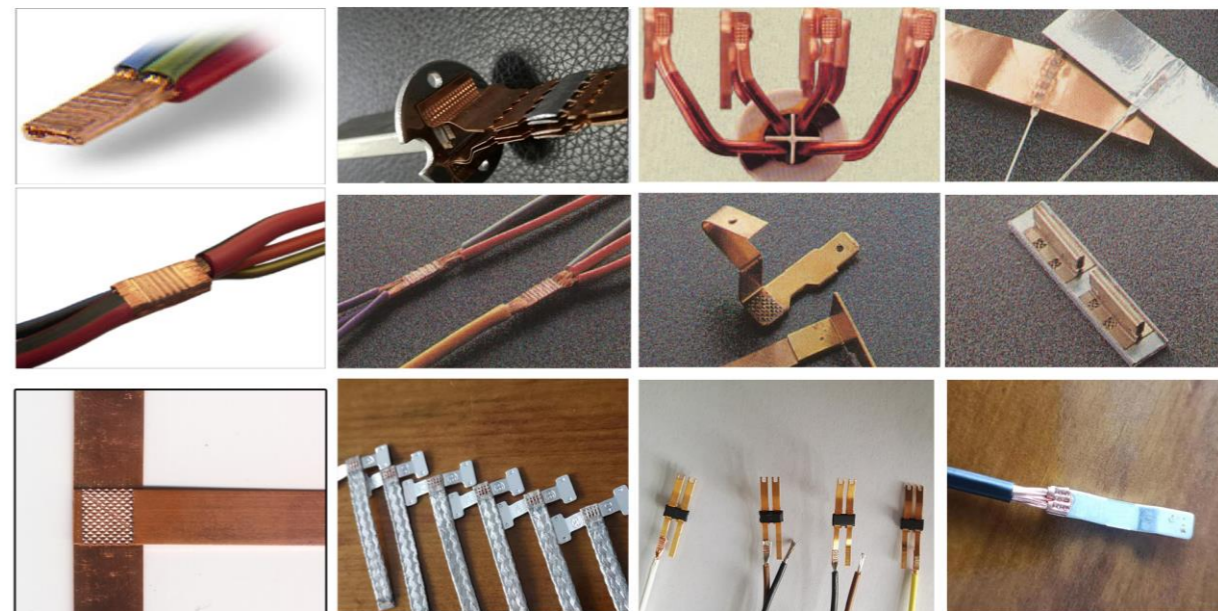
型号 Model Code:	-JS4010S	-JS3512S	-JS2032S	-JS2040S
频率 Frequency	40KHz	35KHz	20KHz	20KHz
功率 Power Output	1000W	1200W	3200W	4000W
模式 Operation Mode	时间，能量和外部触发 Time, Energy & Extneral Trigger			
类型 Ultrasonic Type	IGBT			IGBT
振幅调整 AMP Adjust	10~100%			10~100%

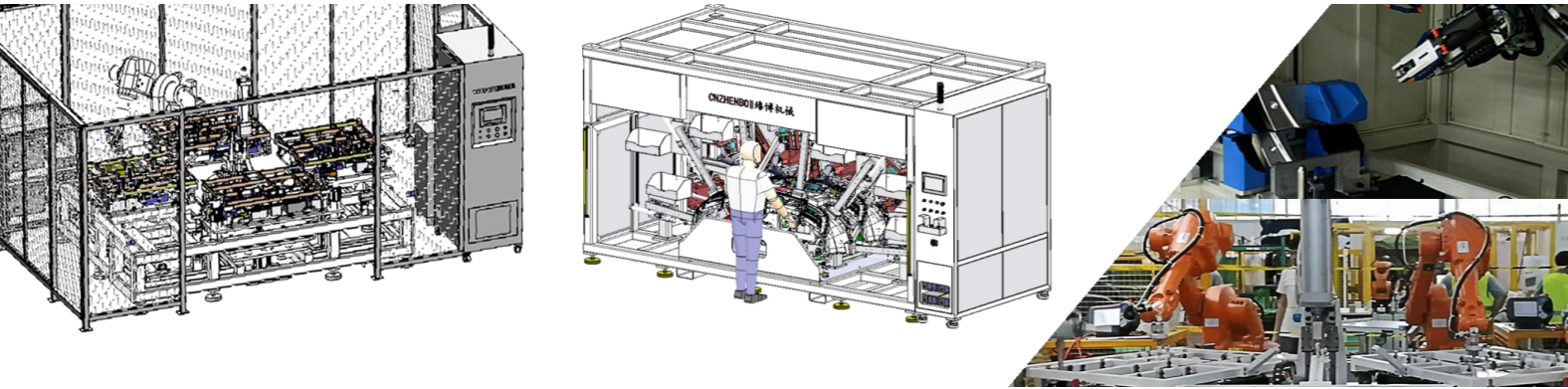
ZB-JS金属超声波系列 MSP-JS Ultrasonic Metal Welder Series

型号 Model Code:	-JS4010	-JS3512	-JS2032	-JS2040
频率 Frequency	40KHz	35KHz	20KHz	20KHz
功率 Power Output	1000W	1200W	3200W	4000W
模式 Operation Mode	时间，能量和外部触发 Time, Energy & Extneral Trigger			
类型 Ultrasonic Type	IGBT			IGBT
振幅调整 AMP Adjust	10~100%			10~100%



应用案例 Projects Samples





多头超声波生产线焊接设备
Multi-heads Ultrasonic Equipment



汽车保险杠冲焊一体设备
Punching & Welding Equipment for Automotive Bumper



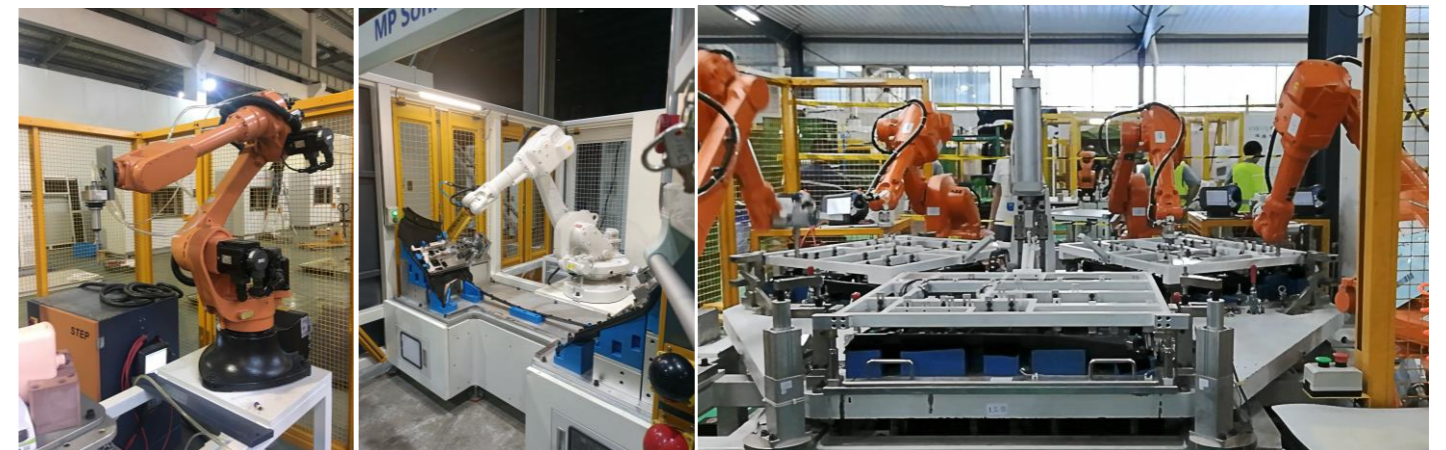
多头热板焊接设备
Multi-heads Hot Plate Welding Equipment



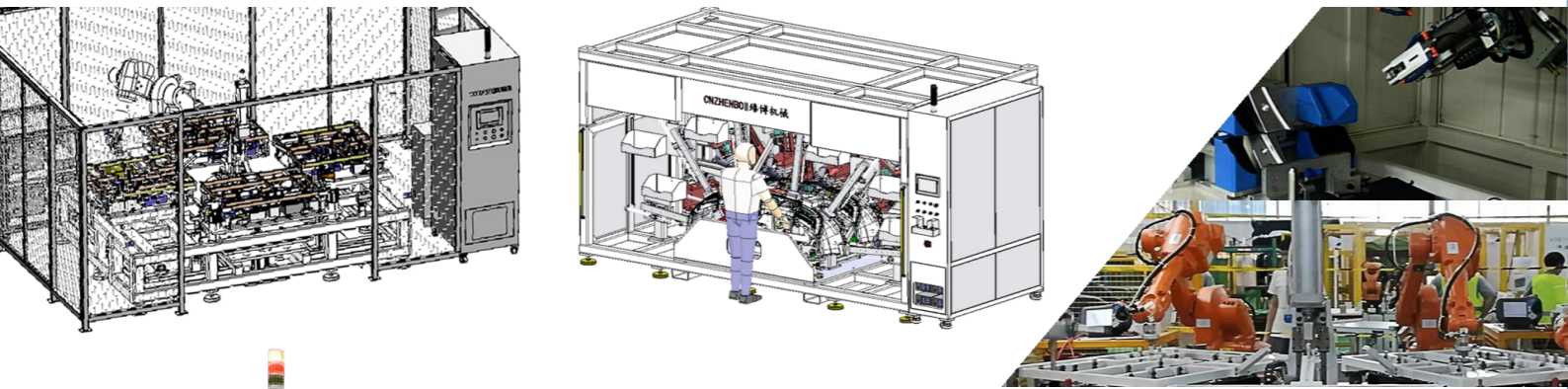
气密测试站
Airtight Test Station



六轴机器人工作站
6-Axis Robotic Working Station



全自动汽车门板组装生产线
Automatic Assembly Line for Door Trim



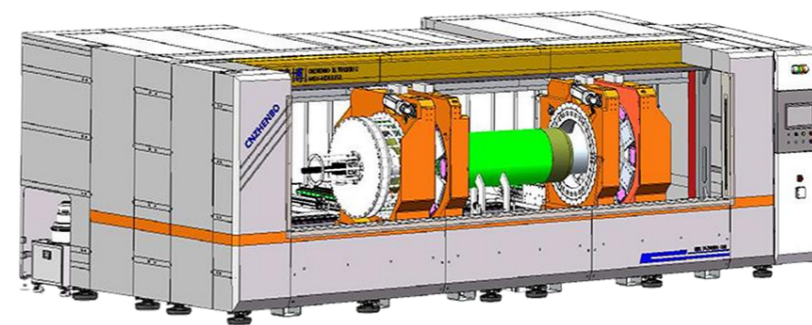
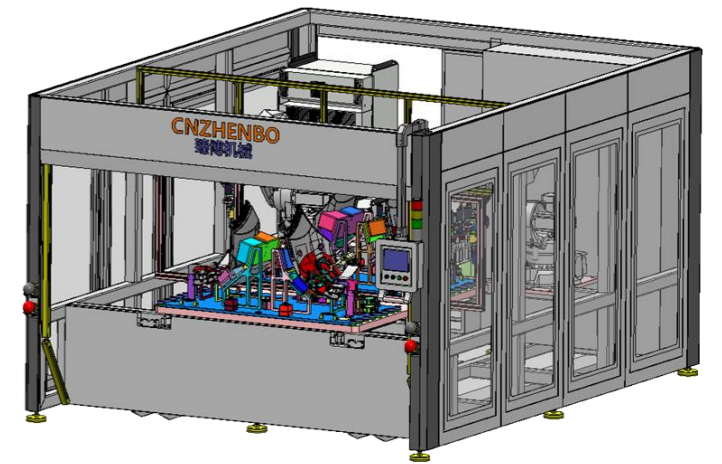
自动化超声波生产线
Automatic Ultrasonic Process Line



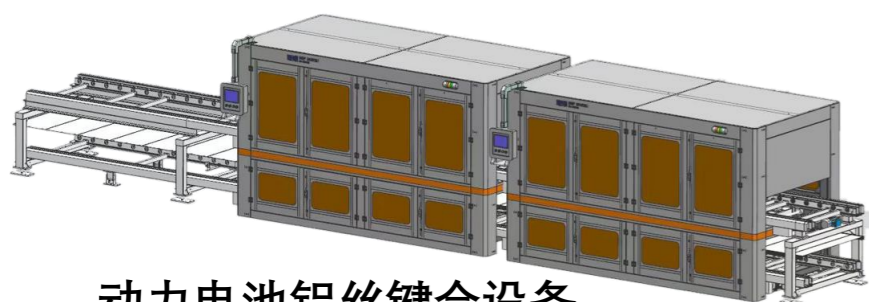
超声波弱化设备
Auto Ultrasonic Weakening Equipment



六轴机器人工作站
6-Axis Robotic Working Station



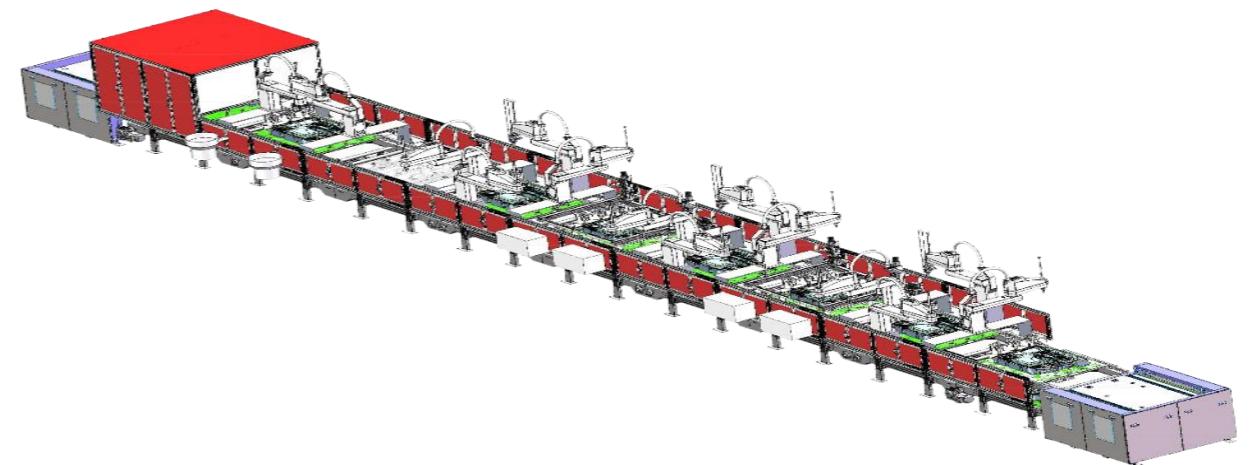
氢能源储气罐焊接专用设备
Hydrogen Tank Welding Line

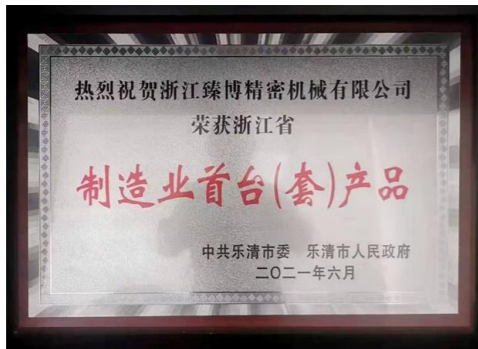


动力电池铝丝键合设备
Ultrasonic Wire Wedge Bonding Line for Electrical Automotive Battery



全自动汽车门板组装生产线
Automatic Assembly Line for Door Trim





Material	PROPOSED WELDING METHOD											
	热塑性塑胶	PRPOSED WELDING METHOD		超声波焊接		Hot-plate 热板		Non-contact 不接触		Vibration 震动	Spin 旋转	Radio Freq 高频
	热塑性塑胶	Near field welding 近距离	Far field welding 远距离	Inserting 埋接	Staking 铆接	Spot welding 点焊	On contact 接触 Low temp 低温	On contact 接触 High temp 高温	Non-contact 不接触	Vibration 震动	Spin 旋转	Radio Freq 高频
AcrylicStyreneAcrylonitrile(ASA)	丙烯酸 苯乙烯-丙烯腈	2-3	2 Δ	2	2	2	2-3	3	3	2	2	4
AcrylonitrileButadieneStyrene(ABS)	丙烯腈-丁二烯-苯乙烯 (超不碎胶)	1	1 Δ	1-2	1	1	1-2	2	3	2	1-2	4
Cellulose Acetate(CA)	纤维	2	2-3 Δ	2	2-3	2	3-4	3-4	3-4	2	2	3-4
Methacrylate(Acrylic)(PMMA)	甲基丙烯酸酯 (亚克力)	1-2	1-2 Δ	1-2	2	2	2	1	2-3	2-3	2	3-4
PA-Blends	尼龙混合物	3	3-4 Δ	3-4	3-4	3-4	2	3-4	3	2	2-3	4
PC-ABS-Blends	PC/ABS 混合物	2-3	3 Δ	3-4	3-4	2-3	2	3	3	2	2	4
PC-ABT-Blends	PC/ABT 混合物	2-3	2 Δ	2-3	2-3	2-3	2-3	2-3	2	2	2	4
Polyacetal(POM)	聚甲醛 (赛钢)	2	2 Δ	2-3	2-3	2-3	2-3	3-4	2-3	2	2	4
polyamide(Nylon 6)	尼龙 6	2-3	2-3 Δ	2-3	2-3	2-3	2-3	3-4	2-3	1-2	1-2	3-4
polyamide(Nylon 6/6)	尼龙 6/6	2-2	2-3 Δ	2-3	2-3	3	2-3	2	2-3	2	2	3-4
polyamide-Copolymer(Nylon 6-3-1)	尼龙 6-3-1	2	2	2	2	2	2-3	3	3	2	2	3-4
Polybutylene terephthalate(PBT)	聚丁二醇酯	3	2-3 Δ	2	2-3	2-3	2-3	3	3	2	2	4
Polycarbonate(PC)	聚碳酸酯 (防弹胶)	2	2 Δ	2	2	2	2-3	2-3	2	2	1-2	4
Polybutylene(PE)	聚乙烯 (软胶)	3	4	3	3	2	1	2	3	3	2	4
Polybutylene terephthalate(PET)	聚对苯二甲酸酯 (宝特胶)	3	2-3 Δ	2-3	3	3	3-4	3	3	2	2-3	4
Polybutylene oxide(PBO)	聚酰亚胺	2	2 Δ	2-3	2-3	2-3	2	2	3	2	2	4
Polybutylene sulfide(PBS)	聚硫醚	2	2 Δ	2	2	2	2	2	3	2	2	4
Polybutylene (PP)	聚丙烯 (百折胶)	3	4	3	3	2	1	2	3	2	2	4
Polystyrene(PS)	聚苯乙烯 (硬胶)	1	1 Δ	1	1	1	1	2	3	2	1-2	4
Polysulfone(PES)	聚砜	2	2 Δ	2-3	2-3	2-3	2-3	2-3	3	2	2	4
Polyvinyl chloride(PVC)	聚氯乙烯	2	3 Δ	2-3	2-3	2-3	1-2	3	3-4	2-3	2	1
PP-EPDM-Blends	PP/EPDM 混合物	3	3-4 Δ	2-3	2-3	2	2	2-3	2-3	2	2	4
PPO-Blends	聚氧杂亚苯混合物	3 with foils 加薄胶膜	3-4 Δ	3-4	3-4	3-4	2	2-3	2-3	2	2	4
StyreneButadiene(SB)	苯乙烯-丁二烯	1	1 Δ	2	2	2	3	3	3	2	1-2	4

List of Symbols 符号代表: 1=very good 非常好 2=good 良好 3=limited 尚可 4=not possible 不可能

☒=Exhaust fan recommended 建议加排气扇
 △=Friting director recommended 建议焊接面加焊钱
 ▲=Krudt faced horn recommended 建议喇叭表面刻深花纹
 ☒=Shear joint recommended 建议焊接面加切口

* Hot plate temperature up to 290°C. Heat platens incontact with parts to be welded. 热板温度达到 290°C, 热板要与工件接触。
 ** Hot plate temperature above 290°C, many applications with temperature ranges above 340°C. Heat platens incontact with parts to be welded. 热板温度在 290°C以上, 热板要与工件接触, 很多实例都要用到 340°C的高温。
 *** temperature ranges from 400°C to 650°C. NO contact between heat platens and parts to be welded. 热板温度在 400°C-650°C, 热板与工件不用接触。