

平台式/多轴自动化 激光焊接专机/非标

Platform/Multi-axis Automated Laser Welding Special Machine

工业PC机控制，平面X、Y、Z轴伺服电机驱动， $\pm 45^\circ$ Z、X平面倾斜姿势可调，可焊接点、直线、圆、方形或由直线圆弧组成的任意平面图形；可选配俯仰R轴（步进或伺服）。实现工作台任意四轴联动、五轴联动、六轴联动、八轴联动等，完成空间任意轨迹的焊接。

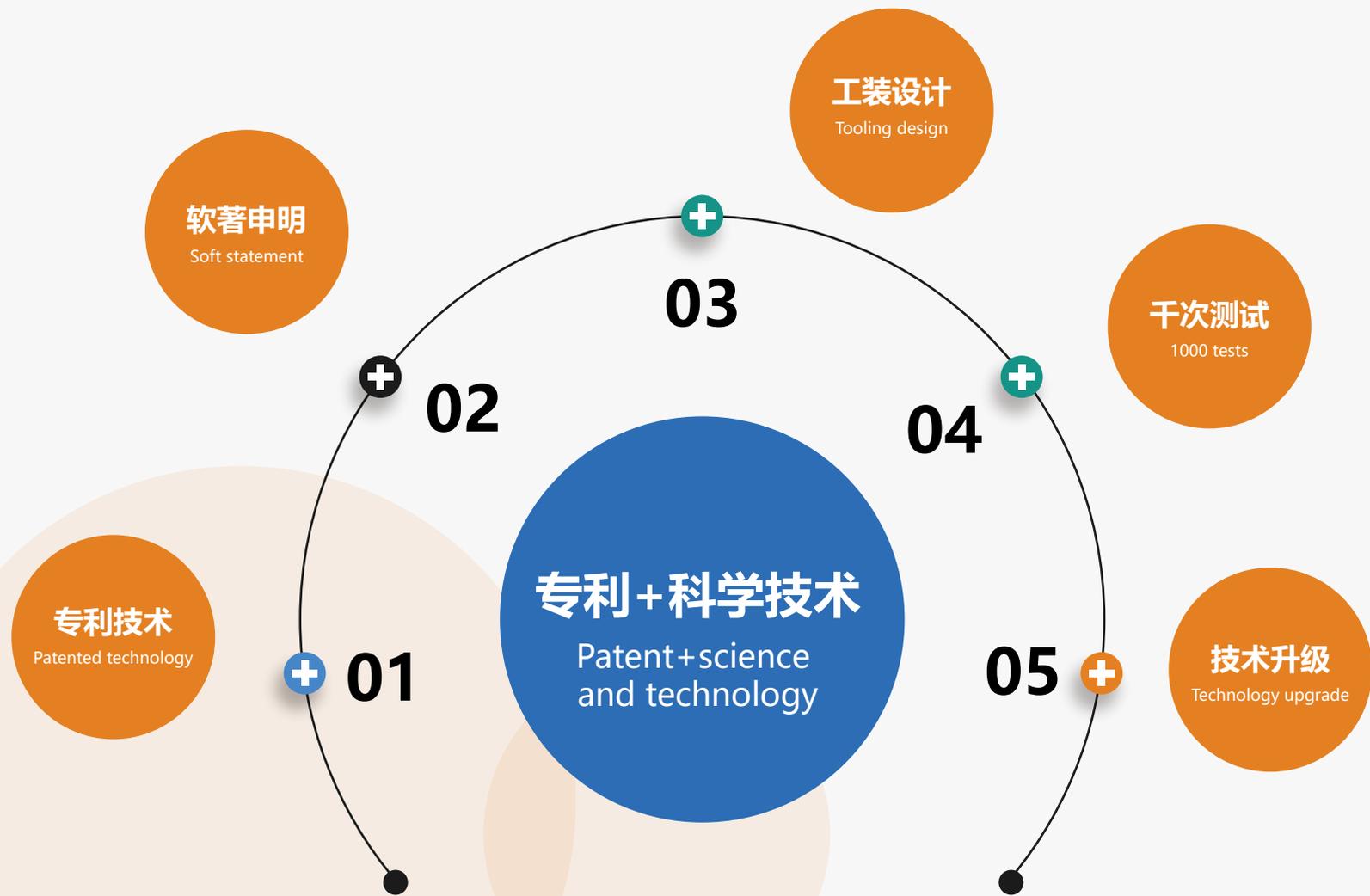
Industrial PC control, plane X, Y, Z axis servo motor drive, $\pm 45^\circ$ Z, X plane tilt position manually adjustable, welding point, straight line, circle, square or any plane figure composed of straight arc; Optional pitch R axis (step or servo). Realize any four-axis linkage, five-axis linkage, six-axis linkage and eight-axis linkage of the workbench, and complete the welding of any space track.

高附加值产品不断满足客户个性化市场需求

High-value-added products continuously meet customers' personalized market demands

铭泰激光是一家注重品质的企业。我们始终坚持以客户为中心，以质量为生命的理念，不断提升产品品质和服务水平，赢得了客户的信任和支持。我们的激光焊接设备已经成为了众多知名企业的的首选品牌，并在国内外市场上获得了广泛的认可。我们的品牌价值在不断增强，我们将继续努力，让更多的客户受益于我们的激光焊接技术和服务。

Mingtai Laser is an enterprise focusing on quality. We have always adhered to the concept of customer-centered and quality-based life, constantly improved product quality and service level, and won the trust and support of customers. Our laser welding equipment has become the preferred brand of many well-known enterprises and has been widely recognized in the domestic and foreign markets. Our brand value is constantly increasing. We will continue to work hard to make more customers benefit from our laser welding technology and services.



专利+科学技术，荣获年度激光行业激光智能装备技术创新奖，社会主义先行示范区装备工业科技创新奖。

Patent+science and technology, won the 2022 laser intelligent equipment technology innovation award in the laser industry, and the equipment industry technology innovation award in the socialist leading demonstration zone.

龙门轴/激光自动焊机/锂电池/动力电池焊接专机

Gantry Axis/Laser Automatic Welding Machine/Lithium Battery/Power Battery Welding Special Machine

MT-ZDSB43

功率/配置/其他参数 (均非标定制)



*以实物为准 Subject to the real object

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01

激光焊接设备
LASER WELDING EQUIPMENT

龙门架结构使得设备运动更为稳定，提高焊接的精度和稳定性，大幅面行程工作焊接范围，适用于不同尺寸和形状的电池组；

The gantry structure makes the equipment movement more stable, improving the precision and stability of welding, with a large working range for welding, suitable for batteries of different sizes and shapes;

优质的光束质量有助于获得高质量的焊接效果，减少焊接缺陷，高效的光电转化率确保激光能源得到有效利用；

High-quality beam characteristics contribute to achieving high-quality welding results, reducing welding defects, and the efficient photoelectric conversion rate ensures the effective utilization of laser energy;

自动顶压焊接装置可以更好地固定工件，提高焊接精度。降低了对复杂工装的依赖，简化了生产流程，减少了成本；

The automatic top pressure welding device can better secure the workpiece, improving welding accuracy. It reduces dependence on complex fixtures, simplifies the production process, and lowers costs;

能够方便地集成到PACK产线，实现与其他生产环节的高效对接，提高了整体生产线的协同工作效率；

Easily integrate into the PACK production line, achieve efficient connection with other production processes, and enhance the overall production line's collaborative efficiency;



MT-ZDSB43

机型 Model	MT-ZDSB43
激光功率 (W) Laser power	1500 2000 3000 4000 5000 6000
功率可调范围 (%) Power regulation range	10-100%
光纤芯径 (μm) Fiber core diameter	20μm 50μm 100μm (视应用要求选配) Optional according to application requirements
工作温度 (°C) Operation temperature	10°C~35°C
冷却方式 Cooling mode	水冷 Water-cooling
工作模式 Working mode	连续或调试 Continuous or commissioning
定位系统 Position system	红光CCD Red light CCD
电力需求 Power demand	380VAC±10%/3P+N+PE

龙门轴/激光自动焊机/锂电池/动力电池焊接专机

Enclosed Laser Automatic Welding Machine/Water Meter Shell Welding Special Machine

MT-ZDSB04

功率/配置/其他参数 (均非标定制)



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支持多设备协同操作，实现更高水平的生产自动化，为生产线的集成提供了更大的灵活性；

Specifically designed for the welding of water meter shells, the equipment fully meets the special requirements of water meter shell welding, ensuring welding quality and efficiency;

配备智能化顶压焊接系统，可自动适应工件形状，提高了焊接的精度和一致性；

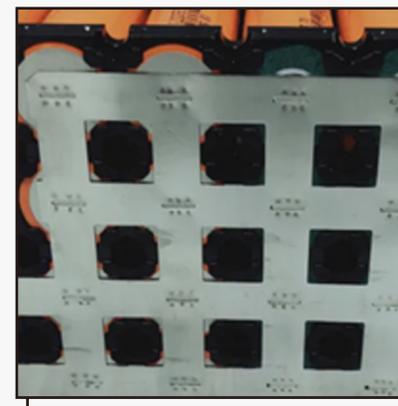
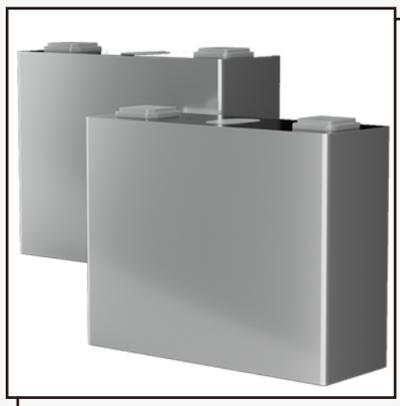
Due to the improved welding quality and the feature of not requiring post-weld grinding, the equipment significantly reduces grinding time and costs in the production process, enhancing overall production efficiency;

可调节的激光功率使得设备可以灵活适应各种焊接工况，提高了应用的多样性；

The equipment supports round-the-clock uninterrupted welding operations, enhancing production efficiency and ensuring a continuous and efficient production line operation;

提供了广泛的工作行程，灵活应对不同焊接需求，同时保持焊接精度和稳定性，适用于各种规格的电池组；

Through precise welding technology, the equipment is capable of achieving a more aesthetically pleasing weld seam, enhancing the overall appearance quality of the product;



MT-ZDSB04

机型 Model	MT-ZDSB04
激光功率 (W) Laser power	1500 2000 3000 4000 5000 6000
功率可调范围 (%) Power regulation range	10-100%
光纤芯径 (μm) Fiber core diameter	20μm 50μm 100μm (视应用要求选配) Optional according to application requirements
工作温度 (°C) Operation temperature	10°C~35°C
冷却方式 Cooling mode	水冷 Water-cooling
工作模式 Working mode	连续或调试 Continuous or commissioning
定位系统 Position system	红光CCD Red light CCD
电力需求 Power demand	380VAC±10%/3P+N+PE

双工位/大平台多轴激光焊机/手套模具焊接专机

Double Station/ Large Platform Multi-Axis Laser Welding Machine/ Glove Mold Welding Specialized Machine

MT-ZDSB62

功率/配置/其他参数 (均非标定制)



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设备采用大平台设计，台面更大，行程距离扩大，更好地适应手套模具的自由焊接需求，提供更灵活的操作空间；

The equipment adopts a large platform design, with a larger tabletop and an expanded travel distance, better accommodating the free welding needs of glove molds, and providing a more flexible operating space;

设备支持根据产品需求定制升级方案，提高手套模具的焊接质量，增强产品的牢固度和稳定性，进一步提升整体产品质量；

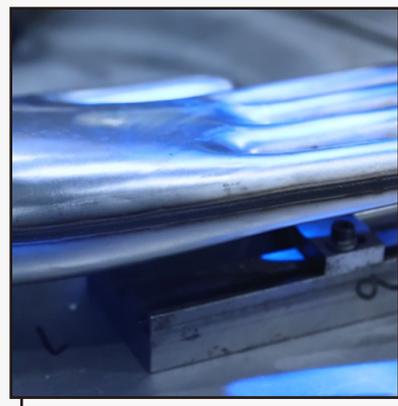
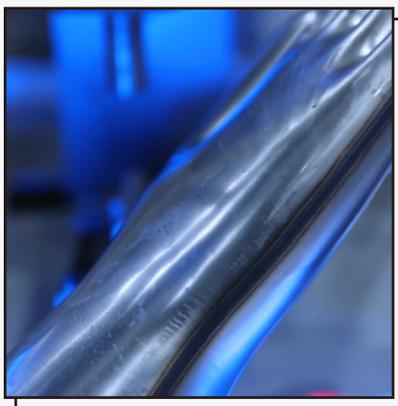
The equipment supports customized upgrade plans according to product requirements, enhancing the welding quality of glove molds, improving product robustness and stability, further elevating overall product quality;

通过高精度的焊接技术，使焊接过程更加稳定，减少因人为因素引起的误差，提高焊接质量的一致性；

Through high-precision welding technology, the welding process becomes more stable, reducing errors caused by human factors and enhancing the consistency of welding quality;

采用双工位设计，同时可进行焊接和放样品的操作，实现高效的生产流程，提高整体生产效率；

Adopting a dual workstation design, it allows simultaneous welding and sample placement operations, realizing an efficient production workflow and enhancing overall production efficiency;



MT-ZDSB62

机型 Model	MT-ZDSB62
激光功率 (W) Laser power	1500 2000 3000 4000 5000 6000
功率可调范围 (%) Power regulation range	10-100%
光纤芯径 (μm) Fiber core diameter	20μm 50μm 100μm (视应用要求选配) Optional according to application requirements
工作温度 (°C) Operation temperature	10°C~35°C
冷却方式 Cooling mode	水冷 Water-cooling
工作模式 Working mode	连续或调试 Continuous or commissioning
定位系统 Position system	红光CCD Red light CCD
电力需求 Power demand	380VAC±10%/3P+N+PE

双工位/龙门多轴激光焊机/手套模具焊接专机

Dual-station/Gantry Multi-axis Laser Welding Machine/Glove Mold Welding Special Machine

MT-ZDSB47

功率/配置/其他参数 (均非标定制)



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专门为手套模具自动化焊接而设计，充分考虑手套模具的特殊性，确保焊接过程中的精准性和稳定性，为手套模具行业提供专业化解决方案；

Specially designed for the automated welding of glove molds, taking into full consideration the unique characteristics of glove molds to ensure precision and stability during the welding process, providing a specialized solution for the glove mold industry;

设备可以根据手套模具的特殊要求，提供个性化的升级方案，以满足不同产品的焊接需求，进一步优化焊接质量；

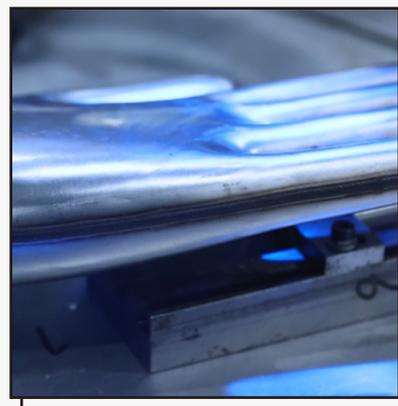
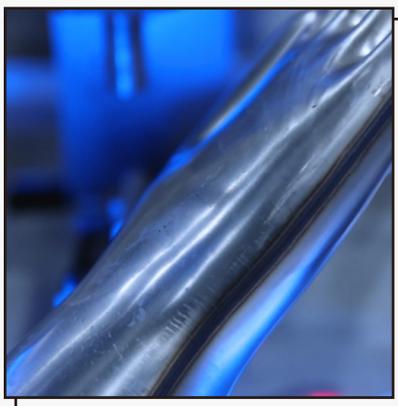
The equipment can provide personalized upgrade solutions according to the specific requirements of glove molds, meeting the welding needs of different products, and further optimizing the welding quality;

设备支持焊接流水线的集成，实现自动化生产，提高了整体工厂的生产效率和生产线的协同性。这一特性使得设备更适用于大规模生产和定制化生产需求；

The equipment supports the integration of welding assembly lines, realizing automated production and enhancing the overall efficiency of the factory and the synergy of production lines. This feature makes the equipment more suitable for large-scale production and customized production needs;

设备支持24小时全天候连续焊接作业，确保生产线的持续运转，提高了生产的灵活性和效益；

The equipment supports 24/7 continuous welding operations, ensuring the continuous operation of the production line, enhancing production flexibility and efficiency;



MT-ZDSB47

机型 Model	MT-ZDSB47
激光功率 (W) Laser power	1500 2000 3000 4000 5000 6000
功率可调范围 (%) Power regulation range	10-100%
光纤芯径 (μm) Fiber core diameter	20μm 50μm 100μm (视应用要求选配) Optional according to application requirements
工作温度 (°C) Operation temperature	10°C~35°C
冷却方式 Cooling mode	水冷 Water-cooling
工作模式 Working mode	连续或调试 Continuous or commissioning
定位系统 Position system	红光CCD Red light CCD
电力需求 Power demand	380VAC±10%/3P+N+PE

双工位/平台多轴激光焊机/手套模具焊接专机

Double Station/Platform Multi-Axis Laser Welding Machine/Glove Mold Welding Special Machine

MT-ZDSB48

功率/配置/其他参数 (均非标定制)



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设备的高精度焊接和稳定运行，直接促使手套模具的焊接质量、牢固度和稳定性得到提升，进而提高最终产品的质量；

The high-precision welding and stable operation of the equipment directly contribute to the improvement of the welding quality, robustness, and stability of glove molds, thereby enhancing the overall product quality;

多轴平台式设计带来高精度的焊接过程，确保焊接的准确性和稳定性，提升焊接质量；

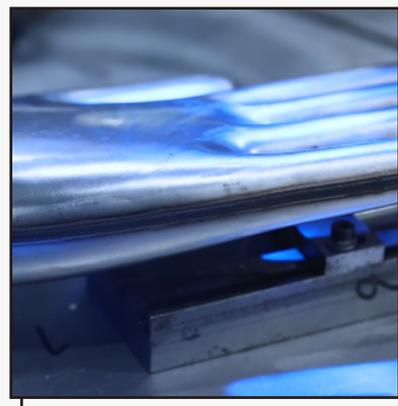
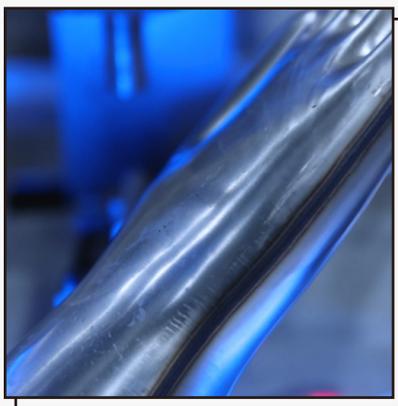
Multi-axis platform design brings a high-precision welding process, ensuring the accuracy and stability of welding, enhancing welding quality;

设备采用双工位多轴设计，一边进行焊接作业，另一边可同时放置样品，实现高效的双重任务执行，提高生产效率；

The equipment adopts a dual-station multi-axis design, with one side dedicated to welding operations and the other side available for placing samples, achieving efficient dual-task execution to enhance production efficiency;

设备支持根据不同产品的需求进行定制升级，满足多样化的焊接要求，提高灵活性和适用性；

The equipment supports customization and upgrades according to the diverse requirements of different products, enhancing flexibility and applicability;



MT-ZDSB48

机型 Model	MT-ZDSB48
激光功率 (W) Laser power	1500 2000 3000 4000 5000 6000
功率可调范围 (%) Power regulation range	10-100%
光纤芯径 (μm) Fiber core diameter	20μm 50μm 100μm (视应用要求选配) Optional according to application requirements
工作温度 (°C) Operation temperature	10°C~35°C
冷却方式 Cooling mode	水冷 Water-cooling
工作模式 Working mode	连续或调试 Continuous or commissioning
定位系统 Position system	红光CCD Red light CCD
电力需求 Power demand	380VAC±10%/3P+N+PE

双工位/龙门多轴激光焊机/手套模具焊接专机

Dual-station/Gantry Multi-axis Laser Welding Machine/Glove Mold Welding Special Machine

MT-ZDSB42

功率/配置/其他参数 (均非标定制)



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采用龙门多轴轴丝设计，确保焊接设备在运行时更加稳定和牢固，提高整体设备的耐用性和可靠性；

Adopting gantry multi-axis wire design ensures that the welding equipment operates more stably and robustly, enhancing the overall durability and reliability of the equipment;

通过设备的稳定性设计，实现焊接的持续稳定性，有效减少焊接过程中的波动，提高产品质量和一致性；

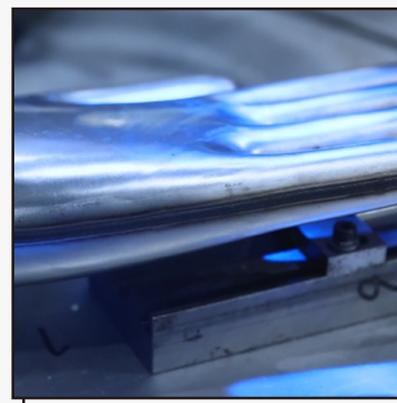
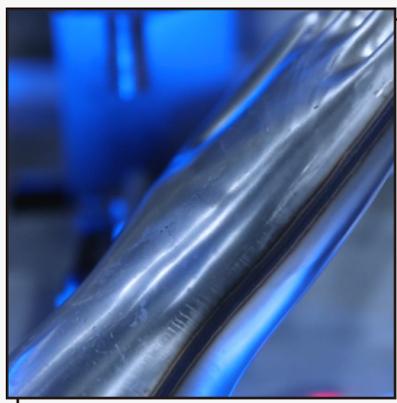
By designing the stability of the equipment, continuous stability in welding is achieved, effectively reducing fluctuations during the welding process, enhancing product quality and consistency;

设备可以方便地集成到焊接流水线中，与其他焊接设备协同工作，实现多重工序焊接同步；

The equipment can be easily integrated into the welding assembly line, collaborating with other welding devices to achieve simultaneous welding in multiple processes;

定制设计用于手套模具的焊接，充分考虑手套模具的特殊需求，提供更精细、高效的焊接方案；

Custom-designed for the welding of glove molds, taking into full consideration the specific requirements of glove molds, providing a more intricate and efficient welding solution;



MT-ZDSB42

机型 Model	MT-ZDSB42
激光功率 (W) Laser power	1500 2000 3000 4000 5000 6000
功率可调范围 (%) Power regulation range	10-100%
光纤芯径 (μm) Fiber core diameter	20μm 50μm 100μm (视应用要求选配) Optional according to application requirements
工作温度 (°C) Operation temperature	10°C~35°C
冷却方式 Cooling mode	水冷 Water-cooling
工作模式 Working mode	连续或调试 Continuous or commissioning
定位系统 Position system	红光CCD Red light CCD
电力需求 Power demand	380VAC±10%/3P+N+PE

大行程激光焊机/变速箱配件焊接/驱动桥焊接专机

Large Stroke Laser Welding Machine / Specialized Machine for Welding Gearbox Components / Welding Machine for Drive Axle

MT-ZDSB51

功率/配置/其他参数 (均非标定制)



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该设备采用超大行程设计，以满足更大工件和较长行程的焊接需求，为焊接工作提供了更广泛的应用范围；

The equipment adopts an ultra-large travel design to meet the welding needs of larger workpieces and longer travel distances, providing a broader range of applications for welding tasks;

配备了多套工序设计，使得焊接过程更加多元化和自动化，可以满足不同工艺要求，提高生产的整体智能化水平；

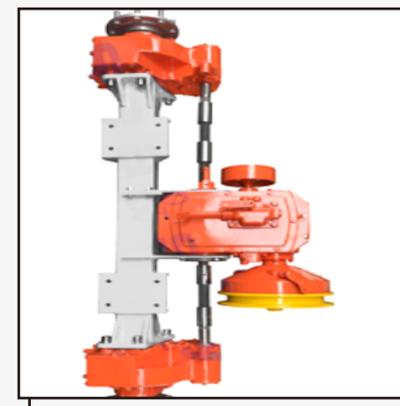
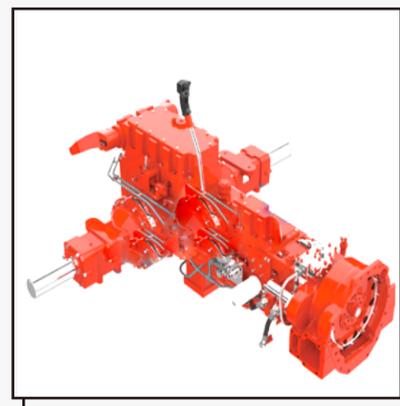
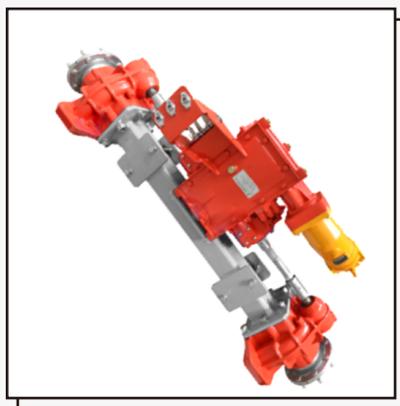
Equipped with multiple sets of process designs, making the welding process more diversified and automated, capable of meeting various technological requirements, and enhancing the overall level of production intelligence;

设备专门用于驱动桥的焊接工作，符合这一特定领域的专业标准，充分照顾到这些零部件特殊的焊接需求，确保焊接效果更为精准和可靠；

The equipment is dedicated to welding tasks for drive axles, meeting the specific standards of this field and addressing the unique welding needs of these components, ensuring a precise and reliable welding effect;

产品焊接完成度高达99%，省略了二次打磨的工序，降低了后续处理成本，提高了整体生产效率；

With a welding completion rate of up to 99%, omitting the secondary grinding process has reduced subsequent processing costs and enhanced overall production efficiency;



MT-ZDSB51

机型 Model	MT-ZDSB51
激光功率 (W) Laser power	1500 2000 3000 4000 5000 6000
功率可调范围 (%) Power regulation range	10-100%
光纤芯径 (μm) Fiber core diameter	20μm 50μm 100μm (视应用要求选配) Optional according to application requirements
工作温度 (°C) Operation temperature	10°C~35°C
冷却方式 Cooling mode	水冷 Water-cooling
工作模式 Working mode	连续或调试 Continuous or commissioning
定位系统 Position system	红光CCD Red light CCD
电力需求 Power demand	380VAC±10%/3P+N+PE

八工位/双枪头/转盘式/激光焊机/锁芯焊接专机

Eight-station/Dual-gun-head/Rotary-type/Laser Welding Machine/Lock Core Welding Special Machine

MT-ZDSB34

功率/配置/其他参数 (均非标定制)



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设备配备八工位轮转系统，确保焊接作业饱和度达到100%，充分利用工作空间，有效减少生产中的空闲时间，提高整体生产效能；

Equipped with an eight-station rotating system, ensuring a 100% saturation of welding operations, fully utilizing workspace, effectively reducing idle time in production, and enhancing overall production efficiency;

设备配置两把激光焊枪头，可同时对锁芯的左右两边进行焊接，从而显著提高焊接效率，减少制造周期，加速生产流程；

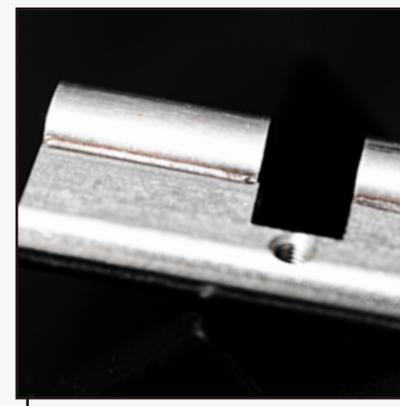
Equipped with two laser welding heads, the equipment can simultaneously weld both sides of the lock core, significantly enhancing welding efficiency, reducing manufacturing cycles, and accelerating the production process;

采用激光自动焊接技术，保证焊接后的焊缝十分美观，白皙透亮，无需进行二次打磨，直接符合高要求的外观质量标准；

Utilizing laser automatic welding technology, ensuring that the weld seam is aesthetically pleasing, bright, and translucent after welding, eliminating the need for secondary polishing, directly meeting high-quality appearance standards;

专门为锁芯工件行业设计，提供了专业的焊接解决方案，充分满足锁芯行业对高品质焊接的需求；

Specifically designed for the lock core component industry, it provides a professional welding solution that fully meets the industry's demand for high-quality welding;



MT-ZDSB34

机型 Model	MT-ZDSB34
激光功率 (W) Laser power	1500 2000 3000 4000 5000 6000
功率可调范围 (%) Power regulation range	10-100%
光纤芯径 (μm) Fiber core diameter	20μm 50μm 100μm (视应用要求选配) Optional according to application requirements
工作温度 (°C) Operation temperature	10°C~35°C
冷却方式 Cooling mode	水冷 Water-cooling
工作模式 Working mode	连续或调试 Continuous or commissioning
定位系统 Position system	红光CCD Red light CCD
电力需求 Power demand	380VAC±10%/3P+N+PE

大平台激光焊机/双枪头/电视后盖板焊接专机

Large Platform Laser Welding Machine/Dual Laser Heads/TV Back Cover Welding Special Machine

MT-ZDSB50

功率/配置/其他参数 (均非标定制)



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激光自动焊机采用大平台设计，确保更广阔的焊接工作区域，使其适用于各种尺寸的电视后盖板，提高了焊接灵活性和适用性；

The laser automatic welding machine adopts a large platform design, ensuring a broader welding workspace, making it suitable for various sizes of TV back panels. This enhances welding flexibility and applicability;

设备配备两把激光焊接头，能够同时对电视机后盖板进行焊接，有效缩短焊接周期，提高生产效能，降低制造成本；

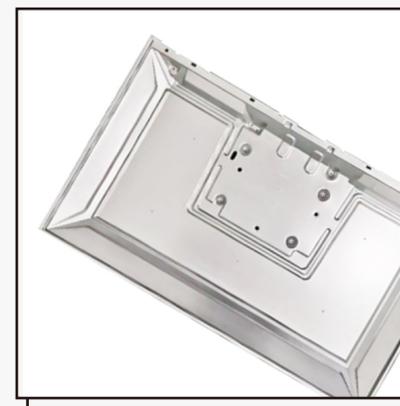
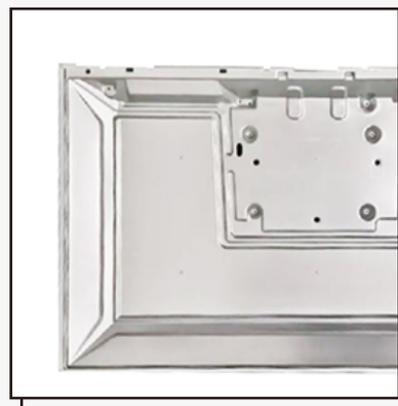
Featuring two laser welding heads, the equipment can simultaneously weld the back cover of television sets, effectively reducing the welding cycle, enhancing production efficiency, and lowering manufacturing costs;

可以轻松集成到激光自动化焊接流水线中，实现自动化生产，进一步提高了整个制造过程的效率和一致性；

Easily integrated into laser automation welding assembly line, achieving automated production, further enhancing overall manufacturing efficiency and consistency;

设备专门针对电视后盖板焊接需求而设计，充分考虑了电视后盖板的特殊性，提供了一种专业、高效的焊接解决方案；

Designed specifically for the welding needs of TV back panels, the equipment takes into full consideration the unique characteristics of TV back panels, providing a specialized and efficient welding solution;



MT-ZDSB50

机型 Model	MT-ZDSB50
激光功率 (W) Laser power	1500 2000 3000 4000 5000 6000
功率可调范围 (%) Power regulation range	10-100%
光纤芯径 (μm) Fiber core diameter	20μm 50μm 100μm (视应用要求选配) Optional according to application requirements
工作温度 (°C) Operation temperature	10°C~35°C
冷却方式 Cooling mode	水冷 Water-cooling
工作模式 Working mode	连续或调试 Continuous or commissioning
定位系统 Position system	红光CCD Red light CCD
电力需求 Power demand	380VAC±10%/3P+N+PE

大平台激光自动焊接机/地漏焊接专机

Large Platform Laser Automatic Welding Machine/Drain Welding Special Machine

MT-ZDSB39

功率/配置/其他参数 (均非标定制)



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专门为地漏焊接而设计，具有针对性，能够更好地适应地漏的焊接需求，提供专业化的解决方案；

Specifically designed for floor drain welding, it is targeted, better adapting to the welding needs of floor drains, and providing a specialized solution;

焊接后的焊缝呈现十分美观的外观，焊缝白皙透亮，无需二次打磨，大大提高焊接产品的质感和外观；

After welding, the weld seam presents a very aesthetic appearance, with a bright and translucent white seam, requiring no secondary polishing, significantly enhancing the texture and appearance of the welded products;

该设备在焊接过程中实现了非接触式焊接，对于任意角度、刁钻角度都能做到无接触，提高了焊接的精准度和稳定性；

This equipment achieves non-contact welding during the welding process, allowing for contactless welding at any angle or tricky position, thereby enhancing welding precision and stability;

设备采用大平台设计，具有更宽敞的工作区域，为焊接提供更大的空间，适用于各种尺寸的焊接项目；

Equipped with a large platform design, the device features a more spacious working area, providing greater space for welding and is suitable for projects of various sizes;



MT-ZDSB39

机型 Model	MT-ZDSB39
激光功率 (W) Laser power	1500 2000 3000 4000 5000 6000
功率可调范围 (%) Power regulation range	10-100%
光纤芯径 (μm) Fiber core diameter	20μm 50μm 100μm (视应用要求选配) Optional according to application requirements
工作温度 (°C) Operation temperature	10°C~35°C
冷却方式 Cooling mode	水冷 Water-cooling
工作模式 Working mode	连续或调试 Continuous or commissioning
定位系统 Position system	红光CCD Red light CCD
电力需求 Power demand	380VAC±10%/3P+N+PE

高机柜/平台激光焊机/托辊焊接/滚筒焊接专机

High cabinet/platform laser welding machine/roller welding/special machine

MT-ZDSB58

功率/配置/其他参数 (均非标定制)



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这台设备是专门为托辊设计的激光焊接解决方案，能够应用于托辊焊接和滚筒焊接等领域，具有良好的适用性和专业性

This equipment is a specialized laser welding solution designed specifically for roller welding and drum welding applications, exhibiting excellent applicability and professionalism;

焊接完成后，无需进行二次打磨处理，节省了人力和时间成本，激光焊接过程中不需要额外的焊接材料，降低了生产成本，同时提升了焊接质量和效率；

After welding is completed, there is no need for secondary grinding, saving labor and time costs; During the laser welding process, no additional welding materials are required, reducing production costs, while improving welding quality and efficiency;

能够满足焊接托辊的长度要求。由于托辊较长，设备需要高机柜设计以容纳整个焊接过程；

Able to meet the length requirements for welding rollers. Due to the elongated rollers, the equipment requires a tall cabinet design to accommodate the entire welding process;

设备采用灵活的轴丝设计，可以适应不同焊接需求，提供更大的灵活性，实现全天 24 小时的自动化焊接，极大提升了工作效率和生产能力；

The equipment adopts a flexible wire axis design, which can adapt to different welding requirements, providing greater flexibility, achieving 24-hour automated welding, greatly improving work efficiency and production capacity;



MT-ZDSB58

机型 Model	MT-ZDSB58
激光功率 (W) Laser power	1500 2000 3000 4000 5000 6000
功率可调范围 (%) Power regulation range	10-100%
光纤芯径 (μm) Fiber core diameter	20μm 50μm 100μm (视应用要求选配) Optional according to application requirements
工作温度 (°C) Operation temperature	10°C~35°C
冷却方式 Cooling mode	水冷 Water-cooling
工作模式 Working mode	连续或调试 Continuous or commissioning
定位系统 Position system	红光CCD Red light CCD
电力需求 Power demand	380VAC±10%/3P+N+PE

双工位/大平台激光焊机/卫浴管焊接专机

Double station/large platform laser welding machine/sanitary pipe welding special machine

MT-ZDSB55

功率/配置/其他参数 (均非标定制)



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专门为卫浴行业设计的焊接专机，该设备充分考虑了卫浴管件的特殊需求，为行业的自动化焊接提供了专业解决方案；

specifically designed welding machine for the sanitary ware industry, the equipment fully considers the special requirements of sanitary ware fittings, and provides a professional solution for industry automation welding;

设备采用大型平台设计，为焊接工作提供更广阔的活动空间，使焊接过程更加灵活顺畅；

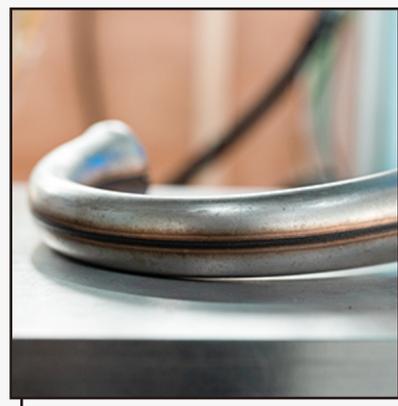
The equipment adopts a large platform design, providing a broader working space for welding tasks, making the welding process more flexible and smooth;

双重工位设计使得设备可以同时放置工件并进行焊接，极大地提升了工作效率，使生产过程更为高效；

The dual workstation design allows the equipment to place workpieces and perform welding simultaneously, greatly enhancing work efficiency and making the production process more efficient;

针对卫浴行业的特殊焊接需求进行了定制化设计，使其能够更好地适应行业内的工艺流程和标准；

Customized design to meet the specific welding requirements of the sanitary ware industry, enabling better adaptation to industry processes and standards;



MT-ZDSB55

机型 Model	MT-ZDSB55
激光功率 (W) Laser power	1500 2000 3000 4000 5000 6000
功率可调范围 (%) Power regulation range	10-100%
光纤芯径 (μm) Fiber core diameter	20μm 50μm 100μm (视应用要求选配) Optional according to application requirements
工作温度 (°C) Operation temperature	10°C~35°C
冷却方式 Cooling mode	水冷 Water-cooling
工作模式 Working mode	连续或调试 Continuous or commissioning
定位系统 Position system	红光CCD Red light CCD
电力需求 Power demand	380VAC±10%/3P+N+PE

大平台激光焊机/水泵壳焊接/水泵外壳焊接专机

Large platform laser welding machine / Water pump shell welding / Water pump shell welding special machine

MT-ZDSB41

功率/配置/其他参数 (均非标定制)



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独特的双工序工装设计，将两道工序集成在一个平台上，简化了生产流程，提高了生产效率，优化自动焊接技术，降低了焊接成本；

Unique dual-process fixture design, integrating two processes on one platform, streamlines the production process, enhances production efficiency, optimizes automatic welding technology, and reduces welding costs;

针对水泵外壳的特殊焊接需求，定制设计了专用焊接机，充分考虑了水泵外壳焊接的工艺要求和生产特点，是水泵自动化焊接的理想解决方案；

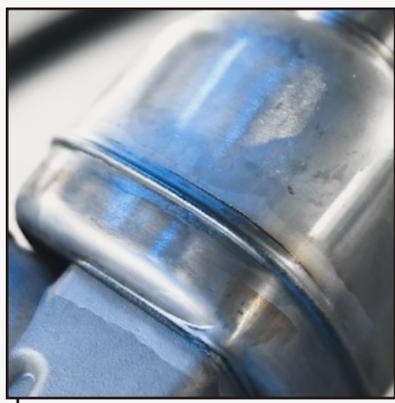
Specially designed for water pump casing welding, this machine meets the unique technical and production requirements, making it the ideal solution for automated pump welding;

激光焊接技术的精准控制和高质量的焊接效果，使焊缝更加美观，表面更加白皙整洁，提升了产品的外观质量；

The precise control of laser welding technology and its high-quality welding results make the weld seam more aesthetically pleasing and the surface whiter and cleaner, enhancing the appearance quality of the product;

能够承载各种水泵外壳等焊接工件，提供更广阔的自动化焊接空间，满足各种规格和尺寸的水泵壳焊接需求；

Able to accommodate various pump casing and other welding workpieces, providing a broader automated welding space to meet the welding needs of various specifications and sizes of pump casings;



MT-ZDSB41

机型 Model	MT-ZDSB41
激光功率 (W) Laser power	1500 2000 3000 4000 5000 6000
功率可调范围 (%) Power regulation range	10-100%
光纤芯径 (μm) Fiber core diameter	20μm 50μm 100μm (视应用要求选配) Optional according to application requirements
工作温度 (°C) Operation temperature	10°C~35°C
冷却方式 Cooling mode	水冷 Water-cooling
工作模式 Working mode	连续或调试 Continuous or commissioning
定位系统 Position system	红光CCD Red light CCD
电力需求 Power demand	380VAC±10%/3P+N+PE

多轴平台激光焊机/卫浴长管封口焊接专机

Multi-axis platform laser welding machine / Bathroom long pipe end sealing welding special machine

MT-ZDSB24

功率/配置/其他参数 (均非标定制)



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采用激光技术进行焊接，无需接触焊件表面，避免了传统焊接中对封口焊接可能出现的破坏或变形；

Using laser technology for welding, there is no need to contact the surface of the welding parts, avoiding the potential damage or deformation that may occur during traditional welding for sealing;

激光焊接技术具有高速焊接、快速切换等特点，大大提高了焊接速度和生产效率，缩短了生产周期，节约了生产成本，使生产流程更加高效化和智能化；

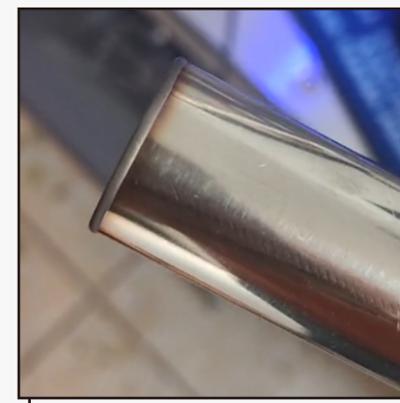
The laser welding technology, with its high-speed welding and quick switching capabilities, greatly enhances welding speed and production efficiency. This shortens production cycles, saves costs, and makes the production process more efficient and intelligent;

能够实现焊接过程的精准控制和均匀加热，从而得到焊缝更加均匀、细致、美观的效果，提升了焊接产品的外观质量和市场竞争力；

Able to achieve precise control of the welding process and uniform heating, resulting in a more even, delicate, and aesthetically pleasing weld seam, enhancing the appearance quality and market competitiveness of the welded products;

该设备是专门为卫浴长管件封口处焊接而设计，针对性强，能够满足卫浴管激光焊接的特殊需求，为卫浴管件生产提供了可靠、高效的焊接解决方案；

The equipment is specifically designed for welding the end caps of long sanitary pipes, with strong targeting capabilities, capable of meeting the special requirements of laser welding for sanitary pipes, and providing a reliable and efficient welding solution for sanitary pipe production;



MT-ZDSB24

机型 Model	MT-ZDSB24
激光功率 (W) Laser power	1500 2000 3000 4000 5000 6000
功率可调范围 (%) Power regulation range	10-100%
光纤芯径 (μm) Fiber core diameter	20μm 50μm 100μm (视应用要求选配) Optional according to application requirements
工作温度 (°C) Operation temperature	10°C~35°C
冷却方式 Cooling mode	水冷 Water-cooling
工作模式 Working mode	连续或调试 Continuous or commissioning
定位系统 Position system	红光CCD Red light CCD
电力需求 Power demand	380VAC±10%/3P+N+PE

双焊接头/激光焊机/齿轮泵焊接/冷水泵焊接专机

Double welding head/laser welding machine/gear pump welding/cold water pump welding special machine

MT-ZDSB53

功率/配置/其他参数 (均非标定制)



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采用两把激光焊接头，极大地提升了焊接效率和精准度。这种双激光系统不仅能够加快焊接速度，而且能够确保焊接的质量和准确性；

Using two laser welding heads greatly enhances welding efficiency and precision. This dual laser system not only speeds up the welding process but also ensures the quality and accuracy of welding;

激光自动焊接机能够同时进行多道工序的焊接，节省时间，提高生产效率。无需等待前一道工序完成，即可进行下一道工序的焊接，大大缩短了生产周期；

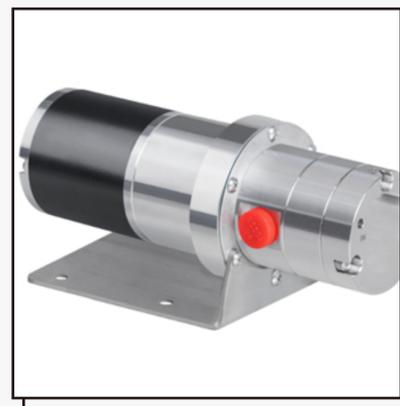
Laser automatic welding machine can simultaneously weld multiple processes, saving time and improving production efficiency. Without waiting for the completion of the previous process, the next process welding can be carried out, greatly shortening the production cycle;

专为冷水泵、齿轮泵行业设计，提供定制化的焊接专机，针对性强，能够满足不同行业的特定焊接需求，为客户提供更加个性化的解决方案；

Specially designed for the cold water pump and gear pump industries, providing customized welding machines with strong specificity to meet the specific welding needs of different industries, offering customers more personalized solutions;

设备实现了完全自动化的焊接流程，减少人工干预，降低了人为失误的可能性，提高了生产的稳定性和一致性；

The equipment has achieved fully automated welding processes, reducing manual intervention, minimizing the possibility of human errors, and enhancing production stability and consistency;



MT-ZDSB53

机型 Model	MT-ZDSB53
激光功率 (W) Laser power	1500 2000 3000 4000 5000 6000
功率可调范围 (%) Power regulation range	10-100%
光纤芯径 (μm) Fiber core diameter	20μm 50μm 100μm (视应用要求选配) Optional according to application requirements
工作温度 (°C) Operation temperature	10°C~35°C
冷却方式 Cooling mode	水冷 Water-cooling
工作模式 Working mode	连续或调试 Continuous or commissioning
定位系统 Position system	红光CCD Red light CCD
电力需求 Power demand	380VAC±10%/3P+N+PE