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High quality

宁波奥本汽车部件有限公司是一家专注于汽车零部件研发与制造的高新技术企业，总部位于浙江省慈溪市慈东工业区。公司成立于2011年02月12日，致力于为全球汽车行业提供高品质的减震器、火花塞等核心零部件产品。凭借先进的技术研发能力、严格的质量管理体系以及高效的客户服务，公司已成为国内外多家知名汽车制造商的长期合作伙伴。

公司专注于汽车减震器的设计与生产，产品涵盖液压减震器、气压减震器等多种类型，广泛应用于乘用车、商用车及特种车辆领域。公司研发的高性能火花塞采用先进材料与技术，具有耐高温、耐腐蚀、点火效率高等特点，适用于各类汽油发动机。

公司拥有一支经验丰富的研发团队，专注于新材料、新工艺的应用与创新，确保产品性能达到国际领先水平。

严格执行ISO9001质量管理体系，从原材料采购到成品出厂，全程实施精细化管控，确保产品的高可靠性与长使用寿命。

公司产品已成功配套多家国内外知名汽车品牌，包括[列举部分客户，如宝马、奥迪等]，并远销欧美、东南亚等地区，深受客户信赖。

宁波奥本汽车部件有限公司将继续秉持“创新驱动、质量为本”的经营理念，加大研发投入，拓展国际市场，致力于成为全球汽车零部件行业的领军企业。

Ningbo Aoben Auto Parts Co., Ltd. is a high-tech enterprise specializing in the research and development and manufacturing of auto parts, with its headquarters located in Cidong Industrial Zone, Cixi City, Zhejiang Province. The company was established on February 12, 2011, and is committed to providing high-quality core component products such as shock absorbers and spark plugs for the global automotive industry. With advanced technological research and development capabilities, a strict quality management system and efficient customer service, the company has become a long-term partner of many well-known domestic and foreign automobile manufacturers.

The company specializes in the design and production of automotive shock absorbers, with products covering various types such as hydraulic shock absorbers and pneumatic shock absorbers, which are widely used in passenger cars, commercial vehicles and special vehicles. The high-performance spark plugs developed by the company are made of advanced materials and technologies, featuring high temperature resistance, corrosion resistance and high ignition efficiency. They are suitable for all types of gasoline engines.

The company has an experienced R&D team that focuses on the application and innovation of new materials and new processes to ensure that the performance of its products reaches the international leading level.

We strictly implement the ISO9001 quality management system. From raw material procurement to finished product delivery, we carry out meticulous control throughout the process to ensure the high reliability and long service life of our products.

The company's products have been successfully supplied to many well-known domestic and foreign automotive brands, including [listing some customers, such as BMW, Audi, etc.], and have been exported to Europe, America, Southeast Asia and other regions, enjoying great trust from customers.

Ningbo Aoben Auto Parts Co., Ltd. will continue to uphold the business philosophy of "innovation-driven and quality-oriented", increase investment in research and development, expand the international market, and strive to become a leading enterprise in the global auto parts industry.



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火花塞特点

● 结构和工作原理

火花塞主要由接线螺母、绝缘体、接线螺杆、中心电极、侧电极以及外壳组成。中心电极和外电极之间有一定的间隙，称为火花塞间隙，这是点火混合气点燃的位置。火花塞的工作环境极其恶劣，需要承受反复的热冲击和强烈的振动，因此其绝缘材料多为氧化铝，且中心电极和外电极的材料必须具有良好的导热性和高强。

The spark plug is mainly composed of wiring nut, insulator, wiring screw, center electrode, side electrode and shell. There is a certain gap between the center electrode and the outer electrode, called the spark plug gap, which is the location where the ignition mixture is ignited. The working environment of the spark plug is extremely harsh, and it needs to withstand repeated thermal shock and strong vibration, so its insulation material is mostly alumina, and the material of the center electrode and the outer electrode must have good thermal conductivity and high strength.

● 镍合金火花塞:具有较好的抗磨损性能和导热性能，适用于大多数汽油发动机。

Nickel alloy spark plug: has better wear resistance and thermal conductivity, suitable for most gasoline engines.

● 银金属火花塞：增加了银涂层，提高了抗磨损性和耐高温性，适用于高性能汽车和高性能发动机。

Silver metal spark plug : added silver coating, improve the wear resistance and high temperature resistance, suitable for high-performance automobiles and high-performance engines.

● 铂金火花塞：增加了银涂层、铂金涂层，进一步提高了抗磨损性和耐高温性，适用于高性能汽车和高性能发动机，以及需要更长时间更换的发动机。

Platinum spark plug : Added silver coating, platinum coating, further improve wear resistance and high temperature resistance, suitable for high performance cars and high performance engines, as well as engines that need longer replacement

● 铱金火花塞：具有好的抗磨损性和耐高温性，适用于高性能汽车和高性能发动机，以及需要最长时间更换的发动机。铱金火花塞还可以提高燃油效率和减少排放。

Iridium spark plugs : Good wear resistance and high temperature resistance, suitable for high-performance automobiles and high-performance engines, as well as engines that require the longest replacement time. Iridium spark plugs also improve fuel efficiency and reduce emissions.

减震器特点

● 功能作用

减震器的主要作用是抑制弹簧吸震后反弹时的震荡和吸收来自路面的冲击。当汽车在不平的路面行驶时，弹簧会吸收震动，但弹簧自身会有往复运动减震器通过消耗热能的方式，限制弹簧的弹跳，从而起到减振的作用。

The main function of the shock absorber is to suppress the shock of the spring after absorbing the shock and absorb the impact from the road surface. When the car is driving on the uneven road surface, the spring will absorb the shock, but the spring itself will have reciprocating motion, and the shock absorber limits the spring by consuming heat energy, so as to play the role of vibration reduction.

● 技术特点

采用先进的液压阻尼技术，能够根据路况实时调整阻尼力，减少车身震动，提升行驶稳定性。还使用高强度材料，增强耐用性和抗冲击能力，确保在恶劣路况下也能良好工作。

Using advanced hydraulic damping technology, it can adjust damping force in real time according to road conditions, reduce body vibration and improve driving stability. It also uses high-strength materials to enhance durability and impact resistance, ensuring that it will work well in harsh road conditions.

● 材料与制造工艺

高质量的减震器通常使用高强度合金材料，确保最佳阻尼效果。制造过程中严格遵循国际质量管理体系，从原材料选择到生产工艺每个环节都严格把控。

High quality shock absorbers usually use high strength alloy materials to ensure the best damping effect. The manufacturing process strictly follows the international quality management system, from the selection of raw materials to the production process every link is strictly control.

● 舒适性与操控性

高质量的减震器能显著提升车辆的舒适性和操控性。减少侧倾，提升稳定性，同时过滤颠簸，提供更好的驾驶体验，此外，一些减震器还支持个性化定制，可以根据驾驶习惯和偏好进行调整，进一步提升驾驶体验。

High quality shock absorbers can significantly improve vehicle comfort and handling. Reduce roll and improve stability while filtering out bumps for a better driving experience. In addition, some shock absorbers support personalization and can be adjusted according to driving habits and preferences to further enhance the driving experience.



B.IXEH20ETT



B.A7TC



B.FK16BR-AL8



B.IK16TT



B.E7TC



B.D8TC



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火花塞产品
Spark plug products



B.BPM6A



B.C5HSA



B.SP515



B.BKR6EK



B.12621258



B.FK16BR-AL8



B.FGR7DQP



B.BKR5EYA11



B.BKR6EKUC



B.BKR6EQUP



B.BKR6ETUB



B.SP546



B.FR6MPP332



B.SILZKFR8F7S



B.BP6EY



B.BRE529YII



B.BL15Y



B.RC12PEC5



B.CR5EH9



B.CR9EIX



B.CR45TS



B.D8EA



B.PK20TT



B.DF7H-11B



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火花塞产品
Spark plug products



B.SILZKAR7B11



B.107RACING



B.F14YC



B.FK20HBR11



B.ILKAR7CIO



B.LTR6ARX-13P



B.AYFS 22FM



B.SILZKAR7B11



B.CR45TS



B.D8EA



B.DILKAR6A11



B.64



B.12622441



B.ILMAR7A8



B.K16R-U11



B.ZGR6STE2





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减震器产品

Shock absorber products



48510-OK100



48531-OK310



48510-10220



48510-10300



48510-20840



48510-28070



48510-60040



48510-60040



48511-35210



48511-39655



48520-2B101



48520-10220



48520-12740



48520-19465



48520-80400



48530-10030



48530-10340



48530-39205



48530-52020



48530-52100



48531-39605



48531-80588



48540-12160



48540-20800



4851009J90



4852009C60



4851160390



JETOUR捷途旅行者
山海T2绞牙可调加高避震器



奥迪A3高低
可调绞牙避震器



本田飞度
GD3绞牙避震



海拉克斯HILUX REVO
VIGO ROCCO改装减震器减震



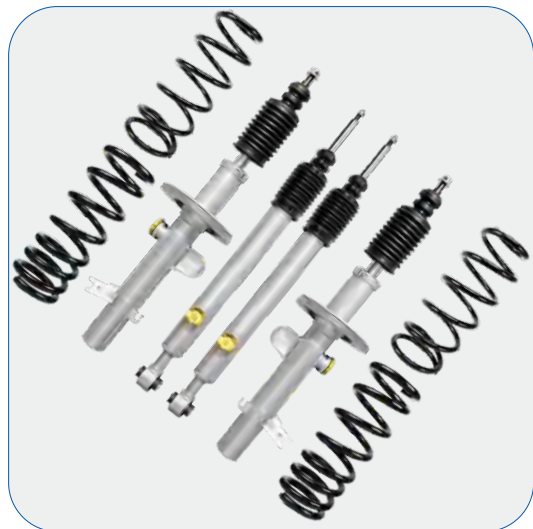
吉普大切诺基
WK/WJ/WG/WK2改装减震器



普拉多霸道lc120lc150fj
酷路泽超霸改装减震器



奥迪A3高
低可调绞牙避震器



长城哈弗猛龙
H6大狗可调减震器



48531AE014



48510-AE020



48510-AE021



48510-AE031



48520-AE020



48520-AE031



48520-A9970



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减震器产品

Shock absorber products



48531-AE020



48531-28560



48510-97202



48510-08020





激光焊接机

■ 描述

用于火花塞多方面通过控制产品脉冲的能量、宽度、峰值功率和重复频率等参数。热影响区域大小、焊缝美观度、焊接效率高，是判断焊接产品好坏的重要指标。

It is used in many aspects of spark plugs to control the energy, width, peak power and repetition frequency of product pulses. The size of the heat-affected area, the beauty of the weld and the high welding efficiency are important indicators to judge the quality of the welding product.



自动碰焊 折弯机

■ 描述

用于火花塞焊接和折弯动能于一体，采用微电脑控制，具有调压功能，接口处产品平整美观、强度高，配备PLC触摸屏控制。能够快捷、准确的完成产品焊接和折弯，智能设定加热时间和温度，操作方便。

Used for spark plug welding and bending kinetic energy in one, using microcomputer control, with pressure regulation function, the interface product is smooth and beautiful, high strength, equipped with PLC touch screen control. Can quickly and accurately complete product welding and bending, intelligent setting of heating time and temperature, easy to operate.



火花塞热压机

■ 描述

将火花塞的各个部件（如中心电极、侧电极等）通过高温高压接在一起，确保部件之间的紧密连接，在必要时进行焊接操作，将火花塞的各个部件牢固地焊接在一起，提高整体的稳定性和耐用性。通过精确的温度控制，对火花塞进行热处理，改善其导电性能和耐高温性能。

The various parts of the spark plug (such as the center electrode, side electrode, etc.) are crimped together through high temperature and high pressure to ensure a tight connection between the parts, and welding operations are performed when necessary to weld the various parts of the spark plug firmly together to improve the overall stability and durability. By precise temperature control, the spark plug is heat treated to improve its electrical conductivity and high temperature resistance.

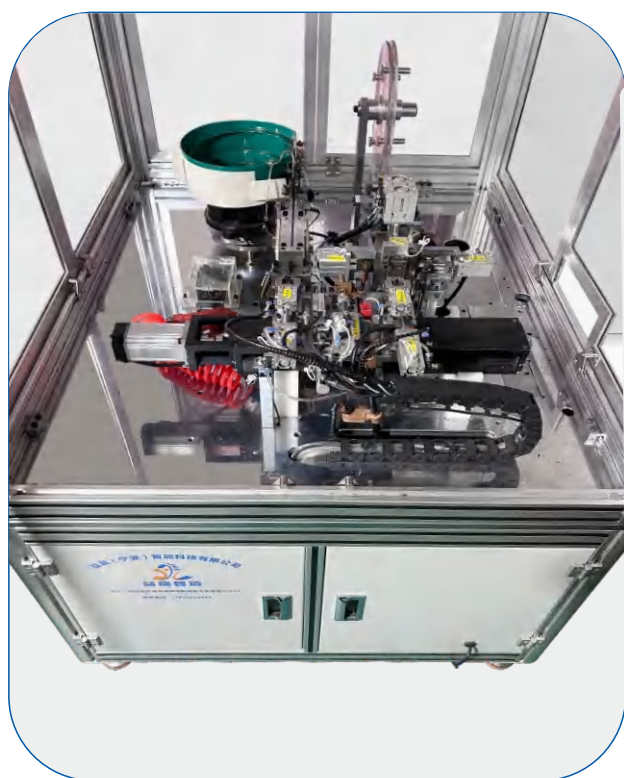


火花塞陶瓷自动加粉机

■ 描述

火花塞陶瓷自动加粉实现自动化操作，减少人工干预、通过自动加粉，可以确保陶瓷体的均匀性和一致性，提高陶瓷体的质量和性能，从而提高产品质量。火花塞陶瓷加工过程中容易受到灰尘污染，自动加粉机通常设计有防尘措施确保加工环境的清洁，避免对于火花塞陶瓷质量产生影响。

Automatic powdering of spark plug ceramic to achieve automatic operation, reduce manual intervention, through automatic powdering, can ensure the uniformity and consistency of the ceramic body, improve the quality and performance of the ceramic body, so as to improve product quality. Spark plug ceramic processing process is prone to dust pollution, automatic powdering machine is usually designed with dustproof measures to ensure that the processing environment is clean, to avoid impact on the quality of spark plug ceramic.

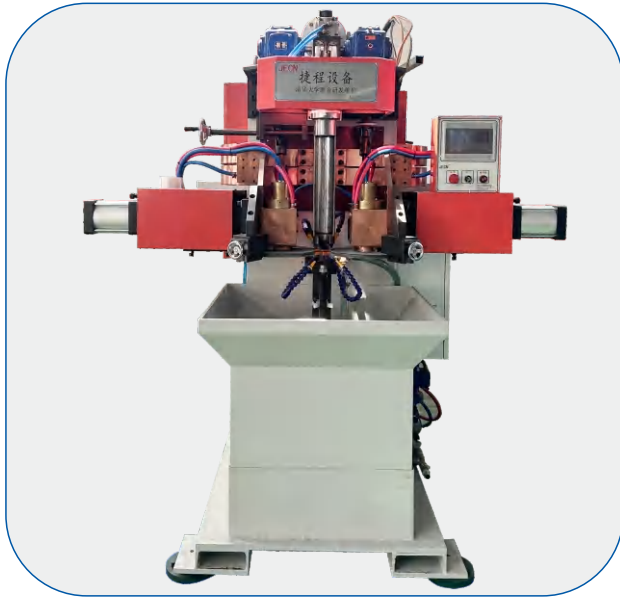


中心电极铱金自动焊接

■ 描述

用于铱金火花塞焊接通过精准的编程和控制系统，实现产品高精度焊接，确保焊接产品的准确性，从而减少产品焊接缺陷，提高产品焊接质量一致性。自动化焊能够连续工作不疲劳时间限制，减少因人为导致产品的焊接缺陷。

Iridium spark plug welding through the precise programming and control system, to achieve high-precision product welding, to ensure the accuracy of welding products, thereby reducing product welding defects, improve product welding quality consistency. Automatic welding can work continuously without fatigue time limit and reduce welding defects caused by humans.



减震器缝焊机

■ 描述

用于汽车减振器底盖与储液筒焊接和油封底座与储液筒封口焊接采用变频焊接控制器，触摸屏设定焊接参数，PLC控制焊接程序。操作方便，参数直观，且运行稳定。

It is used for welding the bottom cover of the automobile shock absorber and the sealing of the oil seal base and the liquid storage cylinder. The frequency conversion welding controller is adopted, the welding parameters are set by touch screen, and the welding procedure is controlled by PLC. Easy to operate, intuitive parameters, and stable operation.



多速度盖亚示功机

■ 描述

微、轿车减震器为滚压封口或焊接封口结构，要求在封口或焊接前减震器的性能必须达到产品设计文件所规定的技术要求(合格数值)此设备用于测试其在封口或焊接前的阻力是否合格。

Micro and car shock absorber for rolling sealing or welding sealing structure, the performance of the shock absorber before sealing or welding must meet the technical requirements specified in the product design document (qualified value) This equipment is used to test whether the resistance before sealing or welding is qualified.

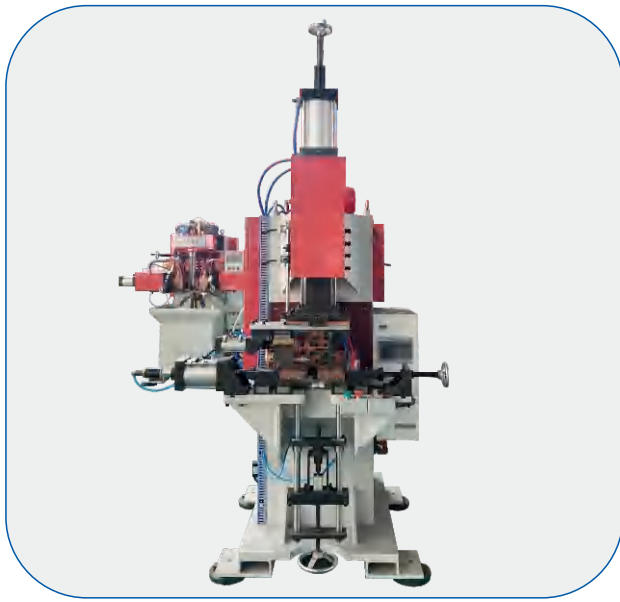


翻边液压封口机

■ 描述

采用液压、气动工作原理，PLC可编程序控制器进行过程控制，利用伺服电机带动工件作旋转运动，滚轮延固定角度水平切入，然后由液压缸驱动滚轮在垂直平面内的前面的固定角度翻转到另一角度从而完成翻边、滚碾工艺，同时液压有自动补偿功能，保证质量一致。

Hydraulic, pneumatic working principle, PLC programmable controller for process control, the use of servo motor to drive the workpiece for rotating motion, roller extension fixed Angle horizontal cut, and then driven by the hydraulic cylinder roller in the vertical plane in front of the fixed Angle to flip to another Angle to complete the flanging, rolling process, while the hydraulic automatic compensation function to ensure consistent quality.



三件一体凸焊机

■ 描述

以(空压)做动之产品缓冲器中的各产品如(环)与(管)之间互相焊接。是机车缓冲器汎用型之浮凸焊机，针对产品缓冲器的(管)长度不同尺寸的部分(环)(杆)(U型铁)之间分别做焊接的固定动作，及(心轴)(杆)(环)之间分别做接的固定动作，将长度不同尺寸的产品(管)固定在专用下电极夹持模具上，产品经持固定后再与工件(环)经电流控制器放电而作焊接动作。

The products in the buffer operated by (air pressure) are welded to each other, such as (ring) and (tube). It is a floating convex splice machine for the general use of the locomotive buffer. The fixed action of the product buffer (tube) length of different sizes (ring)(rod)(U-shaped iron) is respectively made between the fixed action of the product (tube) of different sizes is fixed on the special lower electrode clamping die. After the product is held and fixed, it is discharged with the workpiece (ring) by the current controller for welding action.



充气机

■ 描述

用于减振器生产组装线中，减振器封口完毕后减振器上部后油封部位充气(氮气)。采用可编程控制器FLC，实现自动控制，并利用反驳力值检测系统判断其充气是否合格，从而里化加工质量。具有操作简单，工艺性好，充气压力范围广等优点。

Micro and car shock absorber for rolling sealing or welding sealing structure, the performance of the shock absorber before sealing or welding must meet the technical requirements specified in the product design document (qualified value) This equipment is used to test whether the resistance before sealing or welding is qualified.



环焊机

■ 描述

该设备采用PLC机进行控制，主传动由伺服电机带动旋转，根据焊接要求在触摸屏上可调整速度快慢，焊枪位置可上、下、左右任意调节，确保焊接质量。

The equipment is controlled by PLC machine, and the main drive is rotated by servo motor. The speed can be adjusted on the touch screen according to welding requirements, and the position of the welding gun can be adjusted up, down, left and right to ensure welding quality.



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Selected quality materials Build every product with your heart



火花塞官方
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减震器官方
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宁波奥本汽车部件有限公司

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品质至上, 体验非凡

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- Product models are diverse.
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- 快速出货
- 安全稳定
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- 耐用可靠