

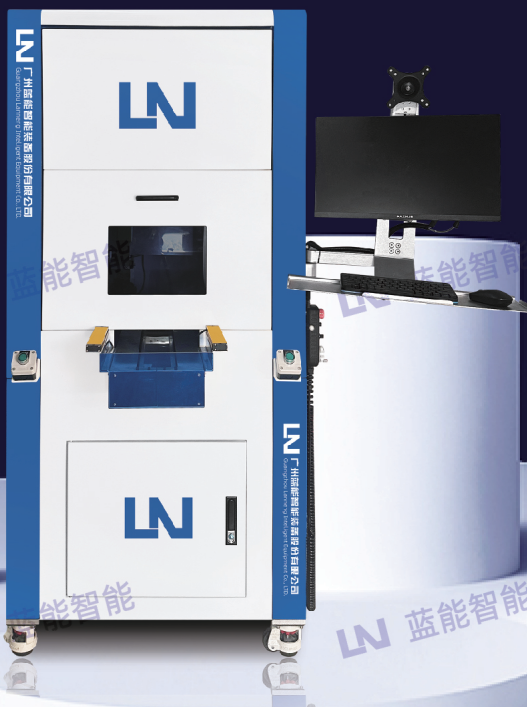


广州蓝能智能装备股份有限公司

GUANGZHOU LANNENG INTELLIGENT EQUIPMENT CO., LTD.

中国智能精密电阻焊方案提供商

CHINA INTELLIGENT PRECISION RESISTANCE WELDING SOLUTION PROVIDER



自动化点焊/封焊装备

AUTOMATIC SPOT WELDING/SEALING EQUIPMENT

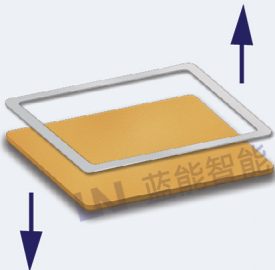
金锡焊片焊环点焊机

GOLD TIN RING SPOT WELDING MACHINE



工件1: 预成型焊片 (金锡合金)

PREFORMED SOLDER (GOLD TIN ALLOY)



工件2: 盖板 (可伐合金)

COVER PLATE (KOVAR ALLOY)

镀金盖板(可伐合金)与焊料环(金锡合金)焊接预焊工艺: 通过精密智能点焊工艺将镀金盖板(可伐合金)和焊料环(金锡合金)进行点焊, 4个角各焊接一个点, 共焊接4点, 实现镀金盖板及金锡焊料预成形焊片的定位及预置。该设备焊接优势如下:

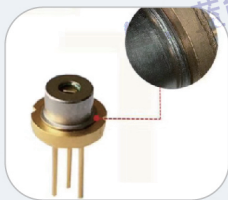
- 焊点光洁平滑, 无过融, 焊点一致, 焊点背面无焊痕。
- 精密焊接能量控制, 电流设定最小调节单位1A; 电流波动正负2A。
- 精密压力机构拥有良好的垂直度, 运动顺畅平稳, 压力稳定。
- 配置XYZ轴伺服电机和滑台组件实现自动焊接, 对位精度 $\pm 0.015\text{MM}$ 。
- 焊接工装和电极根据用户提供产品规格定制。

GOLD-PLATED COVER PLATE (KOVAR ALLOY) AND SOLDER RING (GOLD-TIN ALLOY) WELDING PREWELDING PROCESS: THROUGH THE PRECISION INTELLIGENT SPOT WELDING PROCESS, THE GOLD-PLATED COVER PLATE (KOVAR ALLOY) AND SOLDER RING (GOLD-TIN ALLOY) ARE SPOT-WELDED, AND EACH OF THE FOUR CORNERS IS WELDED AT ONE POINT, A TOTAL OF 4 POINTS, TO ACHIEVE THE POSITIONING AND PREFORMING OF THE GOLD-PLATED COVER PLATE AND GOLD-TIN SOLDER.

- THE SOLDER JOINT IS SMOOTH AND SMOOTH, WITHOUT OVER-MELTING, THE SOLDER JOINT IS CONSISTENT, AND THE BACK OF THE SOLDER JOINT IS FREE OF SOLDER MARKS.
- PRECISION WELDING ENERGY CONTROL, CURRENT SETTING MINIMUM ADJUSTMENT UNIT 1A; CURRENT FLUCTUATION IS PLUS OR MINUS 2A.
- PRECISION PRESSURE MECHANISM HAS GOOD VERTICALITY, SMOOTH AND STABLE MOVEMENT, AND STABLE PRESSURE.
- CONFIGURE XYZ AXIS SERVO MOTOR AND SLIDE ASSEMBLY TO REALIZE AUTOMATIC WELDING, ALIGNMENT ACCURACY $\pm 0.015\text{MM}$.
- WELDING TOOLING AND ELECTRODES ARE CUSTOMIZED ACCORDING TO PRODUCT SPECIFICATIONS PROVIDED BY USERS.

TO 封装机

TO SEALING MACHINE



优势特点：

- 1、提供整体型机构设计；
- 2、直线导轨设计确保焊接的精度和重复性，线形、密封直线导轨设计减少了油脂的泄露和位移，使焊头可以应用于水平和垂直安装方式
- 3、带有压力追从机构，即使在很低的焊接压力下，也能实现迅速、精确的加压操作；最小的摩擦能够使焊头产生迅速的反馈，使变形和火花降至最小程度；
- 4、核心配件采用米思米弹簧，米思米轴承，米思米导轨、SMC气缸或亚德客气缸；
- 5、电源微动触发开关或光电开关使焊接电源触发稳定，提高质量和生产率；
- 6、可以配压力传感器，在调试或更换电极等任何情况下保证压力是一致的；
- 7、可以配位移传感器，结合广州蓝能焊接电源控制器位移到达断电功能，保证每一次焊接都是一致的；
- 8、完善的冷却装置。

ADVANTAGES AND FEATURES:

1. PROVIDE OVERALL MECHANISM DESIGN;
2. LINEAR GUIDE DESIGN TO ENSURE THE ACCURACY AND REPEATABILITY OF WELDING, LINEAR, SEALED LINEAR GUIDE DESIGN TO REDUCE OIL LEAKAGE AND DISPLACEMENT, SO THAT THE WELDING HEAD CAN BE APPLIED TO HORIZONTAL AND VERTICAL INSTALLATION
3. WITH PRESSURE FOLLOWING MECHANISM, EVEN UNDER LOW WELDING PRESSURE, CAN ACHIEVE RAPID AND ACCURATE PRESSURE OPERATION; THE MINIMUM FRICTION CAN MAKE THE WELDING HEAD PRODUCE RAPID FEEDBACK, SO THAT THE DEFORMATION AND SPARK ARE MINIMIZED;
4. THE CORE ACCESSORIES ARE MADE OF MISUMI SPRING, MISUMI BEARING, MISUMI GUIDE RAIL, SMC CYLINDER OR YADEKE CYLINDER;
5. POWER MICRO TRIGGER SWITCH OR PHOTOELECTRIC SWITCH TO MAKE THE WELDING POWER SUPPLY TRIGGER STABILITY, IMPROVE QUALITY AND PRODUCTIVITY;
6. CAN BE EQUIPPED WITH PRESSURE SENSORS, IN DEBUGGING OR REPLACEMENT OF ELECTRODES AND OTHER CIRCUMSTANCES TO ENSURE THAT THE PRESSURE IS CONSISTENT;
7. CAN BE EQUIPPED WITH DISPLACEMENT SENSOR, COMBINED WITH GUANGZHOU BLUE WELDING POWER CONTROLLER DISPLACEMENT TO POWER OFF FUNCTION, TO ENSURE THAT EACH WELDING IS CONSISTENT;
8. PERFECT COOLING DEVICE.

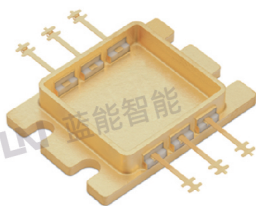
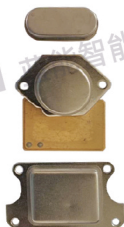
● 焊接应用/APPLICATION

广泛应用在微波集成组件、T/R组件、MEMS器件、电源模块、光电器件、激光器件等元器件封装、混合集成电路、半导体集成电路、滤波器件、微波器件、大功率器件、连接器、传感器、光通发射器件、半导体探测器、热电堆传感器件、光电器件的金属外壳或陶瓷外壳气密封装等及其它特殊电子元器件金属外壳或陶瓷外壳气密封装等领域。

USED IN MICROWAVE INTEGRATED COMPONENTS, T/R COMPONENTS, MEMS DEVICES, POWER MODULES, OPTOELECTRONIC DEVICES, LASER DEVICES AND OTHER COMPONENT PACKAGING, HYBRID INTEGRATED CIRCUITS, SEMICONDUCTOR INTEGRATED CIRCUITS, FILTER PARTS, MICROWAVE DEVICES, HIGH-POWER DEVICES, CONNECTORS, SENSORS, OPTICAL TRANSMITTANCE DEVICES, SEMICONDUCTOR DETECTORS, THERMOPILE SENSOR PARTS, PHOTOELECTRIC DEVICES METAL SHELL OR CERAMIC SHELL GAS SEALING AND OTHER SPECIAL ELECTRONIC COMPONENTS METAL SHELL OR CERAMIC SHELL AIRTIGHT PACKAGING AND OTHER FIELDS.



预置金锡盖板
PRESET TIN COVER PLATE



光通发射器件
OPTICAL TRANSMITTING DEVICE



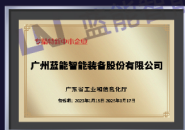
半导体探测器
SEMICONDUCTOR DETECTOR



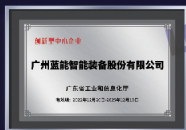
热电堆传感器件
THERMOPILE SENSOR

广州蓝能智能装备股份有限公司

GUANGZHOU LANNENG INTELLIGENT EQUIPMENT CO.,LTD



专精特新企业证书
SPECIALIZED SPECIAL NEW
ENTERPRISE CERTIFICATE



创新型中小企业证书
INNOVATIVE ENTERPRISE
CERTIFICATE



高新技术企业证书
HIGH-TECH ENTERPRISE
CERTIFICATE

广州蓝能智能装备股份有限公司成立于2011年，是中国智能精密电阻焊方案提供商，是高新技术企业、省级“专精特新”中小企业、创新型中小企业、科技型中小企业，致力于研发、生产、销售高端智能焊接设备、自动化点焊/封焊装备、半导体行业焊接装备、新能源汽车行业焊接设备，包括可伐盖板预置金锡焊料焊接机、封装平行缝焊机、TO封装机、传感器密封焊机、新能源汽车电机线上下焊接设备、汽车塑料热铆接设备、精密电子元件封装设备等。公司产品可广泛应用于半导体、微电子、光通讯、传感器、汽车、航空电子等行业。

GUANGZHOU LANNENG INTELLIGENT EQUIPMENT CO., LTD., FOUNDED IN 2011, IS A PROVIDER OF INTELLIGENT PRECISION RESISTANCE WELDING SOLUTIONS IN CHINA, A HIGH-TECH ENTERPRISE, A PROVINCIAL "SPECIALIZED AND SPECIAL" SMALL AND MEDIUM-SIZED ENTERPRISE, AN INNOVATIVE SMALL AND MEDIUM-SIZED ENTERPRISE, AND A TECHNOLOGY-BASED SMALL AND MEDIUM-SIZED ENTERPRISE, COMMITTED TO THE RESEARCH AND DEVELOPMENT, PRODUCTION AND SALES OF HIGH-END INTELLIGENT WELDING EQUIPMENT, AUTOMATIC SPOT WELDING/SEALING WELDING EQUIPMENT, WELDING EQUIPMENT FOR SEMICONDUCTOR INDUSTRY. NEW ENERGY AUTOMOTIVE INDUSTRY WELDING EQUIPMENT, INCLUDING CUTTING COVER PREFABRICATED GOLD SOLDER WELDING MACHINE, PACKAGING PARALLEL SEAM WELDING MACHINE, TO SEALING MACHINE, SENSOR SEALING WELDING MACHINE, NEW ENERGY AUTOMOTIVE MOTOR ONLINE AND OFFLINE WELDING EQUIPMENT, AUTOMOTIVE PLASTIC HOT RIVETING EQUIPMENT, PRECISION ELECTRONIC COMPONENT PACKAGING EQUIPMENT. OUR PRODUCTS CAN BE WIDELY USED IN SEMICONDUCTOR, MICROELECTRONICS, OPTICAL COMMUNICATION, SENSORS, AUTOMOTIVE, AVIONICS AND OTHER INDUSTRIES.



广州蓝能智能装备股份有限公司

手机：13560411768

电话：020-34154005

电子邮件：SALES01@CN-LN.NET

网址：WWW.CN-LN.NET

抖音号：58039851786

微信公众号：CNLNDZ

地址：广州市白云区西槎路671号聚龙工业区29栋7楼

GUANGZHOU LANNENG INTELLIGENT EQUIPMENT CO., LTD.

MOBILE: 13560411768

TEL: 020-34154005, 34252975

E-MAIL: SALES01@CN-LN.NET

WEBSITE: WWW.CN-LN.NET

DOUYIN NUMBER: 58039851786

WECHAT OFFICIAL ACCOUNT: CNLNDZ

ADDRESS: 7TH FLOOR, BUILDING 29, JULONG INDUSTRIAL ZONE, 671

XICHA ROAD, BAIYUN DISTRICT, GUANGZHOU