



Thermal System Solutions



Convection Soldering	Condensox	Nexus	Securo
	Condensation Soldering	Contact Soldering	Tests Trials
RDS	Protecto	RSS	RFS RDS

That is what we are doing. Innovative products from Rehm

Technology is our passion.

We develop thermal system solutions for every application – from efficient series production models to perfectly matched custom systems. Our processes use temperature profiles from –55 °C to 1200 °C. See our diverse product portfolio for yourself and profit from our experience in machine and plant construction.

技术是我们的激情

从一系列高效生产系统到精准适配的专用设备,我们致力于为所有行业应用开发专业的热力系统解决方案。锐德创新型热力系统的制程工作温度跨越-55°至31200°、能够为您提供多样化的产品组合及产线规划咨询,提升经济效益。

Why Rehm?

Rehm Thermal Systems produces energy-efficient manufacturing equipment for the electronics and solar industry. As a manufacturer of customised reflow soldering systems (convection, condensation or vacuum), drying and coating systems as well as function test systems, we are today a technological and innovation leader in economical production of electronic modules. In the photovoltaic field, Rehm offers high-quality equipment for the metallisation of solar cells. Renowned clients from the automotive. medical, aerospace and power electronics industries as well as defence have for years relied upon our innovative ideas and trust the quality of our products.

为什么选择锐德?

我们能够为电子和光伏行业提供高能效热力系统。作为定制化焊接(对流、汽相或真空)、干燥、防护层喷涂以及功能测试系统制造商,在电子元器件组装生产中始终引领技术创新潮流。面向光伏行业应用,锐德则为客户提供了用于太阳能电池覆膜线路烧结/干燥的热力解决方案。长期以来,锐德以卓越的品质赢得了汽车电子、医疗技术、航空航天技术、工业电子和军工领域中无数"重量级"客户的信赖。

Rehm Worldwide

Since the company's foundation in 1990, Rehm has made a considerable name for itself worldwide. Today, we own production sites in Blaubeuren (Germany) and Dongguan (China). As a global player, we also have an international network of subsidiaries and local distributors for sales and service - in 26 countries. This allows us to use local resources more efficiently, avoid long transport distances and expand into new markets. We manufacture goods where it is advantageous from an economic viewpoint to do so. Our production facilities are based on the latest technology and are secured by strict quality assurance quidelines in accordance with German standards.

锐德全球化战略

自1990年成立以来,锐德凭借卓越的技术和专业的产品逐渐成长为一家全球知名的国际化企业。今天,我们不仅在德国布劳博伊伦(Blaubeuren)和中国东莞拥有生产基地,还拥有一个遍及全球26个国家和地区的子公司和经销商网络(开展销售和提供客户服务),借此高效利用当地资源、避免长途运输并顺利扩张新的市场。我们采用最新科技成果,严格按照德国质量标准进行生产及制造管理,确保实现最高品质要求。



PRODUCT PORTFOLIO

产品系列

- > Reflow Convection Soldering Systems 回流焊接系统
- > Reflow Condensation Soldering Systems 气相焊接系统
- Contact Soldering Systems 接触式焊接系统
- Drying and Hardening Systems 干燥及固化系统

- Coating Systems 点胶涂覆系统
- > Function Test Systems 功能测试系统
- > Special Systems 客制化特殊系统
- Solar Equipment光伏设备

VisionXC

The compact system for small and medium-sized batch sizes.

紧凑型系统,满足中小批量生产需求

VisionXS

The flexible system for midrange series production.

灵活型系统解决方案,适用于中等规 模多品类批量生产

VisionXP+

Our "best-in-class" system for high-end series manufacture.

面向高端应用的大批量生产"王牌"系统

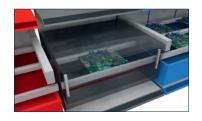












NEW: VisionXP+ with vacuum option

A new vacuum module for the VisionXP+ now enables convection soldering with or without vacuum – in one system. The VisionXP+ Vac removes unwanted pores and gas inclusions directly after the soldering procedure. With one vacuum up to 2 mbar, voidrates under 2 % are achievable. For even better soldering results!

新产品: VisionXP+, 可选配真空模组

全新真空模组选项支持客户在同一套焊接系统内实现真空/非真空焊接制程。VisionXP+Vac能够有效地解决焊接后出现的气孔、空洞等问题。2mbar真空可将焊接空洞率降至2%以下,提供更出色的焊接效果。

VisionX

Convection Soldering



Rehm offers high-performance machines for your electronics production, which fit perfectly into every production environment through a modular system design and clever features. Our VisionX series is used, depending on type, for small or medium-sized batch sizes, as well as for high-end series production in the automotive, consumer electronic or power electronic sectors. The Rehm Systems are available as air or nitrogen versions and guarantee reliable and reproducible soldering results, efficiently and with innovative energy management. With the VisionXP+ you can save, for example, up to 20 % energy and produce 10 tonnes less CO_2 per year.

锐德为电子生产提供了最出色性能的回流焊设备,灵活的模块化设计可精准匹配您的个性化生产环境。VisionX系列回流焊系统包含空气和氦气两种类型,适用于汽车电子、消费电子、电力电子行业批量化生产应用,确保实现高重复精度的可靠焊接效果,同时创新型的能源管理系统能够最大限度地提升能源利用率,以VisionXP+系统为例,每年可以节约高达20%的能源,并减少10吨二氧化碳排放量。

Designed for LOW ENERGY consumption



100 % Sustainability and 100 % Efficiency



TECHNOLOGY BENEFITS

- > Energy efficient, flexible systems with reduced CO₂ emissions 灵活的高能效设备,有效降低二氧化碳排放
- Stable process even with lead-free soldering 稳定的无铅焊接制程
- > Optimal nitrogen regulation 可控的优化氮气调节
- > Minimal downtimes and low maintenance costs 最大限度减少停机维护时间和维护成本
- > Residue Management with integrated pyrolysis 配备集成式热解系统的高效残渣管理
- > Traceability clever software tools for process documentation 使用智能软件工具随时进行制程监控和跟踪











TECHNOLOGY BENEFITS

- > Control of the reflow profile with patented injection principle 专利介质注入法实现高重复精度的温度曲线控制
- > Hermetically sealed process chamber 高度密封性炉膛
- > Controllable vacuum process 可控真空制程
- > Horizontal, safe transport for the module through the machine 水平传输系统保证炉膛中组件的传输安全
- > No spreading of Galden® and active Galden® filtering 无Galden®介质损耗,并主动过滤
- > Process monitoring with wireless WPS system 无线WPS系统提供制程动态监控

CondensoX

Condensation Soldering



In reflow condensation soldering or vapour-phase soldering, soldering is accomplished with the aid of a hot vapour. Heat transfer in condensation soldering is up to ten times higher than with convection soldering. This is particularly suitable for processing large or high-mass boards in a stable process atmosphere. The inert heat transfer medium used is perfluorpolyether (Galden®).

Our CondensoX series can solder even the most difficult assemblies quickly and dependably, at temperatures up to 240 °C. In order to improve control of the condensation phase, Rehm has developed a patented injection process that allows the soldering procedure to be individually regulated. An optional vacuum module ensures void-free soldered joints – directly after the soldering process or as a pre-vacuum. Our systems let you adjust parameters, such as temperature or pressure (vacuum), flexibly according to production requirements.

回流或气相焊接制程都需要借助热蒸汽。与回流焊接相比,气相焊接的热传导效应要高出十倍以上,尤其适用于稳定制程气体环境下的大型或重型电路板加工,而介质Galden®则扮演着惰性热载体的角色(Galden®)。

即使面对最复杂的组件,CondensoX系列也能够对其进行快速有效的焊接,最高焊接温度可达2400°。为了更好地控制冷凝阶段,锐德采用专利型的介质注入法,实现焊接制程的单独调节。可选的真空模块则能够实现无空洞焊接——直接部署在焊接制程结束之后或采用真空预压。该系统所有参数(例如压力或温度)均可灵活设置——最优质的服务源于完美匹配您的生产需求。

CondensoX-Serie

X-Line **Smartline XS Smart** XC **XM Smart** Inline Inline Manual / Autom Manual Manual Inline loading/ Front loading Inline loading/ Loading from Loading from unloading unloading the side the side and front 手动 nitrogen operation air operation 手动/自动 手动 正面装载 联线式 联线式 侧面装载 正面及侧面装载 在线装载/卸载 在线装载/卸载 氮气制程 空气制程

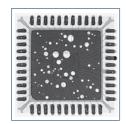
Nexus Void free soldering with vacuum Perfect for different applications 完美适配多种应用的真空接触式焊接系统



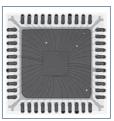








Without vacuum 非真空制程



With vacuum 真空制程

Reliable vacuum processes for improved quality

The vacuum soldering process generates temperatures of up to 400 °C and is an ideal solution for void-free and flux-free applications. The Nexus not only provides your manufacturing operation with advantages for the soldering process, but rather for bonding processes as well.

可靠的真空工艺有效提升焊接质量

Nexus 真空接触式焊接系统,焊接温度可高达400C°,是满足无空洞及无助焊剂应用需求的理想型解决方案。在生产应用方面,Nexus不仅具备焊接制程上的优势,还同样适用于胶粘工艺制程。

Nexus

Contact Soldering



The Nexus system guarantees high-quality results with a reflow process using contact heat in a vacuum. It thus meets the highest requirements of power electronics, in the advanced packaging and semi-conductor area.

The Nexus contact soldering system is best suited for void-free soldering of different devices (e.g. IGBT) on DCB substrates. The combining of materials that are normally highly dissimilar takes place in the vacuum at a reduced pressure at temperatures up to 400 °C. The reduced pressure thereby helps to minimise oxidation on the components and on the solder itself. The transfer of heat is via heat contact surfaces or optional by radiation. The Nexus system is predominantly used in small and medium production lines as well as in the field of laboratory.

Nexus在真空环境下采用接触式回流焊接工艺,能够确保高质量的焊接成果。因此它能够满足电力电子产品的先进封装以及半导体应用领域的最高要求。

接触式焊接系统最适合用于在DCB基板上对不同组件(例如IGBT)进行无空洞焊接。性质迥异的材料在低压真空且温度高达400°的环境下相结合,有效降低了部件和焊料自身的氧化反应。Nexus系统可以通过表面接触或者辐射方式进行热传导,主要应用于中小型生产线以及实验室领域。

TECHNOLOGY BENEFITS

- > Oxide and void-free joint surface between chip and interconnected device 芯片与基板之间焊点无氧化且无空洞
- > Integrated or separate oxidation and deoxidation processes 集成或分离式清洁及除垢工艺
- > Simple profiling and fast heating and cooling rates 简化建模和提升加热及冷却速率
- Assembly under high level of vacuum 高度真空的装配环境
- > Integration of drying and degassing processes 集成式干燥和除气工艺
- Optimum dispersal of waste heat 更优化的散热







低温耐受性测试系统











TECHNOLOGY BENEFITS

- > Analysis of resistance of sensitive electronics in extreme temperatures 极端温度条件下分析电子元件的耐受性能
- > Optimal combinations of systems with other measuring equipment 与其他检测设备高度兼容,优化组合成多样化检测系统
- > Excellent insulation values due to foamed housing 采用隔热性更为优良的发泡隔热层
- > Excellent heating or cooling capacity 出色的加热或冷却性能
- Easy access and minimal maintenance 易于操作,最低维护需求
- > Systems available as stand-alone or in-line variant 可用做批处理或嵌入式处理系统

Securo

Tests | Trials



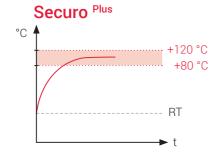
Modern electronics are used nowadays in a range of industries and are therefore exposed to the most widely varied temperatures. Most notably, electronic assemblies in safety-related areas of application must function 100 % reliably at all temperature conditions. Safe testing and measuring methods are increasingly relevant and have already become standard in analysing the resistance of electronic components and increasing their durability in the long term.

Our Securo systems for cold and hot function tests simulate these extreme environmental conditions by selectively heating or cooling the system. The systems function under air or nitrogen atmosphere and are available as batch or inline variant.

如今,现代电子设备已被广泛应用于各大行业,需要常常暴露于广泛温度范围条件下。尤其值得注意的是,与安全相关的应用领域中,电子设备必须在所有温度条件下都100%安全可靠,否则后果不堪设想。由此,各种安全测试和测量方法层出不穷,并逐渐衍生出专门用于分析和检测电子元器件耐受性,以及提高元器件耐久性的相关标准。

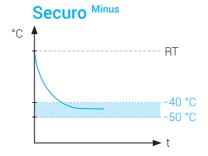
锐德开发的Securo高温/低温耐受性测试系统可通过对电子组件进行选择性的冷却/加热,真实而准确地对极端环境进行模拟。该系统可用于空气或氮气环境,并可根据需要选择批处理或嵌入式处理系统。

Temperature ranges



Safe electronics despite heat – hot function test system for temperature range of +80 °C bis +120 °C.

不惧酷热的安全电子元器件——高温耐受性测试系统,模拟+80°至+120°的极端温度



Always reliable in the cold as well – cold function test system for temperatures up to -50 °C.

寒冷环境下始终可靠如——低温耐受性测试系统,可模拟低至-50°C的极端寒冷环境。



Drying of painted sub-assemblies – vertically with minimal space required.

喷涂后的电子元器件干燥 — 垂直式 干燥系统 节约空间

RDS

Endless opportunities with the drying systems from the RDS series!

选择RDS系列干燥系统,抢占无 ,尽机遇和优势!

RDS UV

The compact system for the reliable hardening of all UV coatings and adhesives.

可靠的紧凑型UV涂层和粘合剂固 化系统











TECHNOLOGY BENEFITS

- > Combined heating methods for flexible profiles 组合式加热制程可实现灵活配置的温度曲线
- > Reliable, robust hardening and drying 可靠、稳定的干燥及固化制程
- > Exceptional energy efficiency 超低能耗
- > IR or UV radiation and/or convection 多样化的热传导: 红外线、紫外线辐射和/或对流
- > Simple profiling capability 便捷的建模分析功能
- > Traceability of processes 工艺制程的可追溯性

RDS Drying | Hardening



The drying systems of our RDS series can be flexibly configured to our clients' requirementsand offer sufficient scope to cover the most diverse of applications. Not only do our systems operate reliably and efficiently, they also offer individual solutions for specific fields of industry. The RDS series from Rehm covers hardening and drying processes using all common adhesives and lacquers, pastes, casting compounds, casting resins and underfill materials. The systems function with infrared or UV radiation and/or convection – according to the requirements of your production.

锐德RDS干燥系统能够满足广泛的行业应用需求,并可进行个性化配置。除了高效、可靠这两大优势外,RDS干燥系统还可以为特定行业提供专属的客制化解决方案。该系统适用于所有常见的粘合剂和涂料、锡膏、填料、铸模树脂及底层填料,还可根据具体生产需求支持红外线、紫外线辐射和/或对流等多种热传导方式。



RDS Semico

Reliable hardening and drying technologies for clean room requirements in the semi-conductor industry

可靠的固化和干燥技术,满足半导体行业的无尘室应用需求



RDS Lack

Hardening of adhesives, coatings, casting resins, casting compounds, silicone gel etc. 适用于多种粘合剂、涂层、铸模树脂和硅胶等材料固化



RDS Conformal Coating

Drying process for protective lacquer coating 提供防护涂层干燥制程



NFW: Alteco and RDS UV

Do you have too little space in your production? With the vertical transport and stackable principle of the Alteco drying system, you can manufacture in a minimal space. We have also developed a new, compact UV dryer for hardening all UV coatings and adhesives. According to material requirement, the system is available with UV curing lamps with mercury medium pressure lamps or UV LED lamps.

工厂生产空间十分有限?那么请选择锐德Alteco干燥炉,凭借垂直式传输和可堆叠设计,能够最大限度地降低空间占用。此外,还有一款适用于UV涂层和粘合剂的紧凑型UV干燥炉可供选择,基于具体材料特性,该系统可选配中压汞灯或UV LED固化灯。

Selective Conformal Coating Line

选择性点胶涂覆生产线











TECHNOLOGY BENEFITS

技术优势

> Greatest possible process reliability

更高的制程稳定性

 All-in-One lacquering and highly selective coating 多效合一的选择性喷涂制程

> Flexible lacquering options thanks to multifunctional lacquer applicator 多功能喷涂器提供灵活的喷涂方案

> Minimal maintenance

更低的维护需求和维护成本

> Effective lacquering and drying in a line concept 高效的喷涂及干燥整线解决方案

> Quick, intuitive programming with dependable software tools 可靠的软件工具支持快速直观地编程控制

Protecto

Coating



The Protecto conformal coating process from Rehm reliably protects sensitive electronic modules with a protective lacquer from damage by corrosion or other environmental influences, such as humidity, chemicals or dust. Coating the PCB after soldering secures the functionality of the electronics, which may be used in end products of critical safety importance, such as in the automotive, aviation or medical industries.

The multifunctional lacquer applicator and the patented Stream Coat® nozzles enable all standard protective lacquers to be precisely applied by dispensing, spraying, jet or curtain coating, depending on the application, even where the gaps between components are very small. With up to 4 coating applicators, you can synchronise several modules simultaneously to apply the coating or directly apply with up to 4 different materials without set-up time. Protecto is available as a production line design with RDS lacquer dryer that will add flexibility and efficiency to your production.

锐德Protecto点胶涂覆系统可以有效保护敏感组件免受腐蚀或其他环境干扰(如湿气、化学物质或粉尘)的侵害。针对关键性安全应用(例如汽车、航空航天和医疗行业)的终端产品,对焊接后的PCB板进行喷涂能够为电子元器件提供可靠的保护。

多功能喷涂系统和获得专利的Stream Coat®喷嘴支持所有类型的标准防护涂料,可根据不同的应用要求进行点胶、喷涂、喷射或帘式涂淋,并且可以在组件之间的狭窄空间内高效作业。该系统配备的喷涂器多达4个,可以同时对4个电子元器件进行喷涂或同时进行4种不同类型涂料的喷涂制程。该系统还可以与RDS干燥系统进行联线,进一步提高生产灵活性和生产效率。









1. Dispensing

Uniform and precise application of a highly thixotropic material

2. Spraying

Coating of large areas with a low splatter and mist spraying procedure

Jetting

Pinpoint lacquer application of up to 120 miniature dots per second through rapid opening and closing of the valve

4. Curtain Coating

Spraying and fog-free coating of large surfaces at very high process speed

1. 点胶

适用于均匀、准确地喷涂高触变性材料

2. 喷涂

大面积喷涂,采用无喷溅和雾化工艺

3. 喷射

通过喷射阀快速开关,实现最高120微型胶点/秒的精确喷涂

4. 帘式涂淋

更快速进行大面积喷雾式喷涂, 无喷溅和雾化工艺



RSS Special Systems

Individual systems, adapted to the needs of our clients.

个性化系统解决方案,精确满足客













TECHNOLOGY BENEFITS

- > Individual system solutions, adapted to your requirements 满足个性化需求的客制化系统解决方案
- > Expert, high-quality mechanical engineering 专家级高品质机械设计
- Skilled process consultation 专业的制程咨询
- > Flexible options for your manufacturing 适应各种生产应用的灵活选项
- > More than 30 years experience in the industry 30年高品质机械制造经验

RSS Special Systems



Have you not found a system suitable for your process? Then why not commission Rehm to design and build one that is optimised for your requirements! We develop thermal solutions that are matched exactly to your production needs. The technical design is determined by part dimensions, thermal mass, materials, process specifications and throughput volume and cycle times. Customer-specific solutions are necessary if high production numbers, i.e. short cycle times paired with long process times, need to be processed.

Our special systems include, among others, pallet flow furnaces, vacuum dryers, high-temperature soldering systems, drying systems and curing systems. You will find them being used, for example, in Reel-to-Reel manufacturing, high temperature soldering, complex hardening in battery production processes or Backside Reflow.

还未找到符合您制程需求的系统解决方案?那么,请交给锐德,我们将为您设计并打造深度优化的解决方案,满足您的个性化生产需求。热力系统的设计在很大程度上取决于部件尺寸规格、热质量需求、材料、制程要求以及产能和生产周期等因素,因此,只有精准匹配的定制化解决方案才能确保生产过程的顺利进行。

我们的特殊设备包括载具传输式干燥系统、真空干燥系统、高温焊接系统、干燥和固化系统,广泛应用于卷轮式生产、高温焊接、电池模组中的复杂性固化以及背面回流等多种工艺。

The transport system adapts to your product!

So that your module has safe passage through the plant, we offer single or multitrack transport systems in a variety of designs. Thus, pin chain conveyors with or without roller chains, mesh conveyor belts, various workpiece carriers, pendulum goods carriers, racks, etc. can be used in tunnel systems or in batch operation.

为确保组件安全稳定地通过设备炉膛,锐德可提供多种设计的单轨和多轨传输系统,例如应用于连续或批量生产的带/不带滚链的针链、网带、各种载具或层架式传输系统。



Roller chain transport 滚链传输



Meander transport 曲流传输



Shuttle transport 梭式传输











TECHNOLOGY BENEFITS

技术优势

 Versatile production layout 多样化生产配置

> Low energy consumption, sustainable and efficient 能耗更低,更高的能效及可持续性

> **High throughput for diverse applications** 高吞吐量,适合多种应用

> Intelligent software solutions 智能软件解决方案

> Minimal maintenance 更低的维护需求和维护成本

RFS Speedfire and RDS

Solar Equipment



Not only does Rehm satisfy the most stringent demands in the sphere of electronics products, but we also offer efficient equipment for photovoltaic systems. Rehm's Fast Firing Systems RFS Speedfire and RDS Solar Dryer for the typical metallisation of monocrystalline and multicrystalline solar cells have outstanding heating capacity and so achieve top-class results. Their flexible modular construction facilitates diverse production layouts, while their low energy use, high throughput and intelligent software solutions make them very versatile.

我们不仅提供应用于高端电子行业的热力解决方案,还为光伏行业提供高效的生产设备。锐德RFS快速烧结炉和RDS光伏干燥炉具有出色的热性能,适用于各种常见的单晶和多晶太阳能电池覆膜电路烧结工艺,帮助客户实现最佳应用成果。此外,支持多样化生产配置的模块化设计、低能耗、高产能和智能软件系统也使其成为最理想的通用型光伏解决方案。

Fast Firing Systems

- Low breakage rate 低碎片率
- Maximum process stability 最高制程稳定性
- High throughput 高产能
- Minimal maintenance 更低的维护需求和维护成本

RDS Solar Dryer

- Optimum temperature profiling 最佳温度曲线
- Safe and vibration-free transport 安全传输无振动效应
- > Efficient process gas cleaning 高效的清洁工艺
- > Excellent cooling gradient 卓越的冷却性能

99,9 % less VOC – the Thermal Oxidizer makes it possible!

Rehm's VOC Thermal Oxidizer offers one of the most effective residue management systems on the market. The organic compounds released from the pastes during the heating process (Volatile Organic Compounds – VOC) are cracked and almost completely converted into carbon dioxide and water. All available systems operate with a separation of max. 99,9 %. Oxidizer systems with heat recovery, such as the available Counter Flow Reactor, are also particularly environmentally friendly.

有效降低99.9%的VOC含量!

锐德VOC直燃式焚烧系统是市场上最高效的残渣管理系统,能够将加热过程中产生的有机化合物(VOC)彻底分解为二氧化碳和水蒸气,有效降低高达99.9%的VOC含量。此外,配备热回收功能如逆流反应器 (CFR) 的焚烧系统则更加高效、环保。













MANUFACTURING EQUIPMENT

生产设备

 VisionXP+ Vac, VisionXC, CondensoXS, Protecto and RDS (Line), RDS UV

真空/非真空回流焊接,气相焊接,点胶涂覆及RDS在线式、UV干燥系统

- > Templates and paste printers 锡膏印刷模板和锡膏印刷机
- Placement system 装配系统
- Handling system 上/下板系统
- Cleaning system 清洗系统

TEST EQUIPMENT

测试设备

- > Thermal imaging camera 热成像仪
- X-ray inspectionX-Ray 检测仪
- > **BGA** inspector, Fly inspector BGA检测仪、飞针测试仪
- > Rework station 返修台

Technology Center

Experience the soldering process live.



How is it possible to create the ideal temperature profiles? Or which technology is best for avoiding voids in soldered joints? Rehm can answer these questions.

In autumn 2013, a high-tech applications and demonstration centre was opened on an area of 460 m² at the company's headquarters in Blaubeuren. Here, customers can test modules in direct application of convection, condensation and vacuum soldering processes, create individual temperature profiles and, aided by our applications specialists, define the optimal parameters for the production process.

Additionally, the Technology Center is fitted with a complete state-of-the-art SMT production line – from the paste printer through placement machines to a reflow soldering system. A complete coating line for selective conformal coating demonstrates secure protection of modules from environmental influences. At Rehm, there is also extensive equipment for module testing and for test results analysis.

You are welcome to arrange an appointment with us via **info@ rehm-group.com** to visit the Technology Center and experience the soldering process live.

如何创建最佳温度曲线?应该采用何种技术方案才能避免焊接空洞? 锐德给您答案。

2013年秋季, 锐德在德国布劳博伊伦总部设立了技术应用及演示中心。在这里, 客户可以直接测试电子组件的回流、凝热及真空焊接制程, 创建个性化温度曲线, 并在应用专家的帮助下为生产制程制定最佳参数。此外, 锐德技术中心还配备了目前最先进的, 涵盖从锡膏印刷到装配系统再到回流焊系统等设备的完整SMT生产线。还拥有一套完整的点胶涂覆生产线为您展示如何安全保证组件不受环境因素影响。最后, 该技术中心还提供广泛的测试和分析设备, 方便您进行组件测试和测试结果分析。

欢迎您发送邮件至info@rehm-group.com进行预约,在我们的技术中心现场体验焊接制程。







Technology Academy

Process consulting and know-how



New ideas can only be developed where there is regular exchange of knowledge and experience with clients and colleagues. Rehm offers a forum for this. Our Technology Academy provides a framework of seminars and workshops on relevant topics in the electronics industry. We organise a range of training events about the technological background to our systems and their applications and can give comprehensive advice on all processes.

User training – individual or group training on system technology and operation

Process consulting – individual consulting on profiling, system configuration and fault analysis

Training I Seminars – theoretical principles and workshops on soldering technology and protective lacquer coating Our speakers are also happy to visit your premises and give training on topics of particular relevance to you, such as system design or plant operation.

If you are interested in this please contact us via **info@ rehm-group.com**.

只有与专业人士进行知识和经验交流才能获得新的灵感。锐德技术学院为您提供了一个专业的讨论平台,在这里,您可以通过研讨会和讲习班获取电子行业相关资讯和主题。此外,我们还会针对锐德系统的技术背景及其应用,组织各种培训,并针对所有工艺制程为您提供专业建议。

用户培训—针对个人或团队的设备技术和操作培训制程咨询—针对温度曲线、系统配置和故障分析的一对一咨询服务培训 I 研讨会—焊接技术和防护层喷涂理论基础和讲习班如果您有兴趣及需求,我们的讲师也可以到您公司,就特定主题(例如系统设计或操作)提供个性化培训课程。

如果您对此有兴趣,请发送邮件至 info@rehm-group.com了解更 多详细信息。



ADVANTAGES OF TRAINING WITH US

锐德技术培训优势

 Know-how in systems design, operation and process technology

全方位提供系统设计、操作和工艺制程等专业知识

- > Qualified employees and thus higher productivity 专业人员帮助您提升生产效率
- > Comprehensive training programme 全方位培训计划
- > Individual seminars and workshops 个性化培训和讲习课程
- > **Inhouse training** 可支持内训

On-site service We are there for you worldwide.

The quality levels of our systems are of the highest order. We aim to maintain this high level in our service activities as well. From Blaubeuren via Georgia and Príbor to Szendehely or from Dongguan to Guadalajara – we are there to help for all questions related to sales and service. Anywhere in the world!

Need special advice on our systems, something fitted or a spare part? Our responsibility does not end with the sale! We remain in close contact with our clients and suppliers after they have invested in a Rehm system and make every effort to keep our response times short. We make sure we keep to delivery deadlines, installations and service inspections. And we are also available at any time for questions about applications – ensuring that your production runs smoothly.

锐德追求卓越的产品质量,也致力于提供优质的客户服务。从布劳博伊伦到乔治亚到普日博尔再到森代海伊,或者从东莞到瓜达拉哈拉——我们立志完善所有销售和服务网络。竭诚为您提供覆盖全球的专业支持!

关于锐德的设备、装配或配件,您有需要特别咨询吗?我们的责任绝不止步于销售,在购买锐德设备后,我们仍将与您保持紧密联络,快速且及时地响应您的需求。我们将以最大努力确保按时交付,执行最高标准的安装和维护服务。此外,我们的技术人员24小时待命,随时为您提供应用支持,确保生产顺利进行。

YOUR SERVICE CONTACT PERSON

服务中心联络方式

Service-Center.

Mon - Thurs 07:00 - 16:30 Fri 07:00 - 12:15

service@rehm-group.com

24hr Service Hotline:

Germany +49 (0) 7344 - 9606 511 China +86 769 8328 0260 Service Hotline 400 812 8069 服务中心:

周一至周四 07:00 – 16:30 周五 07:00 – 12:15

服务邮箱 service@rehm-group.com

24小时服务热线:

 德国
 +49 (0) 7344 - 9606 511

 中国
 +86 (0) 769 - 8328 0260

服务热线 400 812 8069







As a leading manufacturer of innovative thermal system solutions, we have customers on every continent. With our own locations in Europe, America and Asia, as well as 26 agencies in 24 countries, we are able to serve the international markets quickly.

作为世界领先的创新型热力系统解 决方案制造商, 我们的客户遍布全 球每一块大陆。锐德在欧洲、美 洲、亚洲均设立了技术中心和生产 工厂,同时还在24个国家和地区拥 有26家代理商,能够快速响应国际 市场的各种需求,为客户提供最出 色的现场服务。

Headquarter 亚太区总部 Rehm Thermal Systems GmbH

Leinenstraße 7 89143 Blaubeuren, Germany T +49 73 44 - 96 06 0 F +49 73 44 - 96 06 525

สาขา ประเทศไทย บริษัท สมาร์ท เทอมอล ซิสเต็มส์ จำกัด

57/3 ม. 6 ต.คลองสี อ.คลองหลวง จ.ปทุมธานี 12120 T+66.2.102.4846 F +66 2 102 4846

锐德热力设备 (香港) 有限公司

香港九龙湾临兴街32号美罗中心1期 12楼26-27室 电话:+852-3583 2626 传真:+852-3583 2636

한국 지사 렘서멀시스템즈코리아 유한회사

경기도 군포시 당정동 1045번지 군포IT밸리 A동 106호 T +82 31 360 0505 E +82 31 360 0535

亚太区生产基地

● 服务支持

广东省东莞市松山湖高新技术 产业开发区畅园路2号3栋101室 电话: +86 769 - 8238 0238 传真:+86 769 - 8238 0239

锐德热力设备 (东莞) 有限公司

台湾分公司 香港商锐德热力设备有限公司台湾分公司

台湾省桃园市中坜区青埔四街75号1楼 电话: +886 3287 2298 传直:+886 3287 2298

亚太区销售中心 锐德热力设备 (苏州) 有限公司

www.rehm-group.com

江苏省苏州市工业园区唯新路50号 益创科技因11幢1楼110室 电话: +86 512 - 6265 3238 传真:+86 512 - 6265 3239

India Branch Rehm Thermal Systems (Hong Kong) Limited

Ground Floor, 394, 11TH A Main, F Block, Sahakaranagara, Bengaluru (Bangalore) Urban, Karnataka 560092 India T +80 - 412 60813