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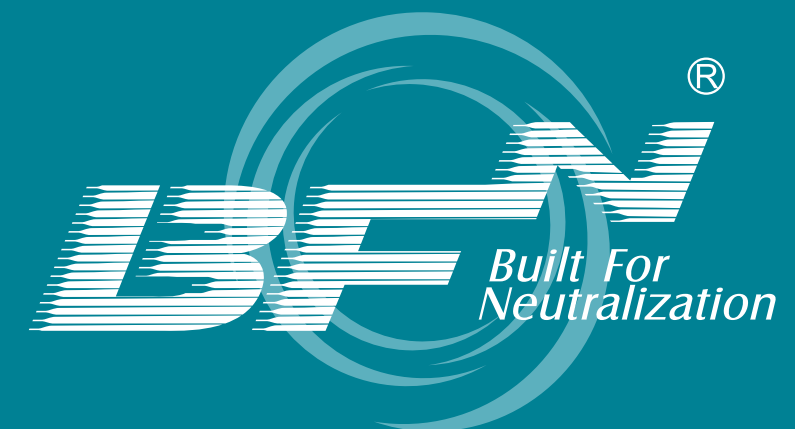
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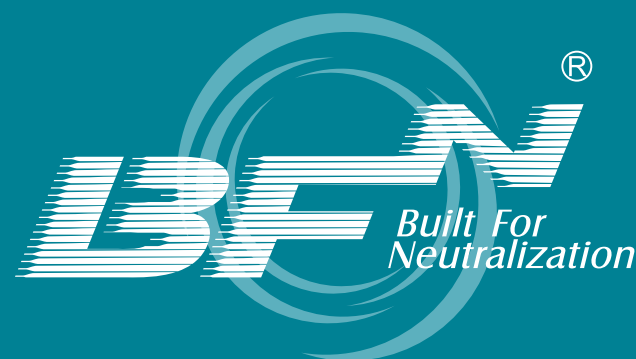


ELECTRONIC TOOLS SERIES

电 | 子 | 工 | 具 | 设 | 备 | 类

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ELECTRONIC TOOLS SOLDERING SERIES

电子工具设备焊接类

ESD CONTROL
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SERIES

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COMPANY PROFILE

公司简介 > > >

Shenzhen HORB Technology Co., Ltd. is a state-level high-tech enterprise integrating R & D, production, sales and ESD consulting services. In the past 17 years, we have focused on the automation and control of ESD, lead-free soldering, industrial tools, purification and auxiliary equipment R & D, production and sales, Main brands cover:"HORB", "BFN", "KANBO" etc.

In the progress of the development, we keep maintaining excellence in mind and work together, which make us always become the outstanding enterprise with ISO9001: 2000 quality system certification .Meanwhile, with the social and economic development, industry competition becomes more and more cut-throat, we deeply aware that the market only offer the opportunity, while quality is the key point which likes the lifeblood that support the company to survive. So in order to enhance the market competitiveness, we not only established "HORB","BFN" brand, introduced advanced science and management software and facilities, but also invited lots of technical specialists and talented salespersons, which helps to provide excellent products with competitive price to our customer. We will always follow the quality policy :*"Enhancing system management by continuous innovation, raising customer satisfaction by offering excellent service and price"* We will always adhere to the practical marketing idea, pay attention to keen market sense, perfect management system, high quality and efficient service ,in good faith for the general customer service!

We are proud to lead the industry to innovation and advance, we are proud to provide professional service that are well known all the world! We are proud to show the global customer the good products that were made in China! We deeply believe that the future of HORB will be more and more beautiful!

深圳市中明科技股份有限公司是一家集研发、生产、销售、ESD咨询服务为一体的国家级高新技术企业，公司致力于静电防控自动化方案、无铅焊接、工业工具、净化与辅助设备的研发，生产和销售，主要品牌有“HORB”、“BFN”、“KANBO”。

在发展过程中，公司全员上下一心，追求卓越，一直是ISO9001：2000质量体系认证的优秀企业，随着社会经济的不断发展，同行业竞争日烈加剧，市场只是提供了机会，而品质才是公司赖以生存的命脉，公司不断引进先进的科学管理软件和仪器设备，广纳技术、销售人才，力求在产品质量、销售价格上达到客户的满意。树立“HORB”“BFN”品牌，进一步提高市场的竞争力。我们会一直坚持以踏实的营销理念，敏锐的市场触觉，科技完善的管理体系，优质快捷的服务，在业界享有良好信誉，并且我们将会一直遵循“以持续改进提升系统管理，以质量服务追求客户满意”的质量方针，真诚为广大客户服务！

中明科技产品享誉全球，勇于开拓、科技先行、服务全球、中明科技明天更辉煌！



电子工具设备
组装类

>>>

ELECTRONIC TOOLS ASSEMBLY SERIES

优良的产品品质来自整个生产制造过程的严格控制和管理!



> AUTOMATIC LOCK MACHINE 自动化锁付机 BFN B-500

AUTOMATIC LOCK MACHINE INTRODUCTION:

The biggest advantages of double-headed automatic locking screw machine are flexibility, high efficiency, reducing labor intensity. According to the set coordinates, the machine automatically complete the product lock. The two Y-axis, greatly improve production efficiency. Product load and unload, modification of lock file, the operation is very simple. This machine feeding system adopts turbo directly vibration method to sort the screws on the vibration guide rails and deliver them to the screw distribution system. The distribution system distributes the screws and sends the screws to the lock nozzles through the trachea pressure. According to the setting by the manipulator Coordinates automatically complete the lock pay.

Features:

- Versatile. Small size, with the production line operations, easy to replace the product.
- Hand-like operation. Greatly protects the locked products, and avoid the occurrence of idling and crushing because of hard contact by other traditional screw locked machine.
- Extremely efficient. Double Y-axis automatic screw machine greatly improves the production efficiency. Z axis electric screwdriver number can be customized according to requirements.
- Y-axis can be made according to the needs of duplex (double Y-axis), the operator can alternately load and unload.
- Reduce the labor intensity of workers. The traditional manual placement of screws and screw head alignment require a lot of work time and effort.
- High degree of automation. Simple operation, employees quickly master the operation. A worker can manage several machines at a time. Save labor.
- Torque accuracy. Easy to adjust. Guarantee the quality of locking.
- Aspirated compared to the inflatable screw directly delivered to the batch nozzle. Eliminate the time to take back and forth screws, more efficient and more stable.

自动化锁螺丝机介绍：

采用双头模式的自动送锁螺丝机最大的优点就是灵活，效率高，降低劳动强度。根据设定好的坐标，机器自动完成产品锁付。利用两条Y轴，实现轮流锁付，极大提高生产效率。更换产品，只要通过修改锁付文件即可，操作非常简单。此机器上料系统采用涡轮直振方式上料将螺丝排序到振动导轨上，并输送到螺丝分配系统，通过分配系统分配螺丝并通过气管压力将螺丝送到锁嘴，通过机械手根据设定好的坐标自动完成锁付。

产品特点：

- 通用性强。体积小，可配合生产线作业，更换产品方便。
- 仿人手操作。极大的保护了被锁付的产品，避免了因传统锁付机构对产品的硬性接触而产生产品滑牙与压坏的现象。
- 效率极高。双Y轴自动螺丝机极大的提高了生产效率。Z轴电批个数可根据客户要求定制。
- Y轴可以根据需要做成双工位（即双Y轴），操作者可以交替上下料。
- 降低工人的劳动强度。传统的手工放置螺丝和对准螺丝头部需要占用大量的工作时间和精力。
- 自动化程度高。操作简单，员工迅速掌握操作和调试。一个工人可同时管理几台机器。节省人工。
- 扭力精确。调节方便。保证锁紧质量。
- 与吸气式相比，吹气式螺丝直接输送到批嘴。省去了来回取螺丝的时间，效率更高，更稳定。

TECHNICAL PARAMETERS :

| | | |
|----------------------|--------------------------|---|
| machine construction | G.W | about 100KG |
| | outline dimension | About: height 560* long 700* width 600 |
| | source | AC 220V 50 HZ |
| | power | 300W |
| | ambient temperature | -20~+40 degree |
| control | body frame | Steel table top, aluminum alloy frame |
| | Host program control | dedicated control system |
| | human-computer interface | Special man-machine interface |
| | Line guide wire rod | HIWIN |
| | Program input | Direct coordinate input or computer connection |
| | I/O signal | 8 INPUT/8 OUTPUTS |
| Speed and accuracy | communication | Serial port RS232C, computer communication software |
| | positioning accuracy | X, Y: +/-0.08mm Z: +/-0.01mm |
| | running speed | 100mm/sec(X-Y) |

技术参数：

| | | |
|-------|--------|---------------------------------|
| 机器构造 | 机器毛重 | 约100KG |
| | 外形尺寸 | 约: 高560*长700*宽600 |
| | 电源 | AC 220V 50 HZ |
| | 功率 | 300W |
| | 环境温度 | -20~+40度 |
| 控制说明 | 机架 | 钢板台面, 铝合金机架 |
| | 主程序控制 | 专用控制系统 |
| | 人机界面 | 专用人机界面 |
| | 直线导轨丝杆 | 台湾上银 |
| | 程式输入 | 直接坐标输入或电脑连接 |
| | I/O信号 | 8 INPUT/8 OUTPUTS |
| 速度与精度 | 通讯 | 串口RS232C, 电脑通讯软件 |
| | 定位精度 | X, Y: +/-0.08mm Z: +/-0.01mm |
| | 运行速度 | 100mm/sec(X-Y) |

>AUTOMATICLOCKING SCREW MACHINE

自动化锁螺丝机

BFN B-600D

Features:

- Convenien , the screw can be easily aligned, eliminating the need for manual banging screw cumbersome actions.
- Quick screw feeding speed, sub-feed efficiency up to 0.4 S , doubling the efficiency of locking screws.
- Clean , no longer directly contact with the screws, to avoid the hands of secondary pollution lead to rust problems.
- Stable screws automatically arranged, feeding, automatic screening of shaped screws, misuse will not produce the card material phenomenon.
- Low noise quality assurance, safety, noise-free.
- Low power consumption of the whole machine 30 W, all-day work.

产品特点：

- 方便：只需对准螺丝孔位锁螺丝即可，完全省去了手工打螺丝的繁琐动作。
- 快捷：螺丝送料速度快，分料效率高达0.4 S颗，成倍增加锁螺丝效率。
- 干净：不再直接接触螺丝，避免了手部二次污染导致生锈的问题。
- 稳定：螺丝自动排列、送料、自动筛选异形螺丝，误操作也不会产生卡料现象。
- 低噪音：质量保证，安全，无噪声。
- 低功耗：整机功耗30 W，可全天候工作。



TECHNICAL PARAMETERS：

技术参数：

| | |
|-------------------------------|--|
| working voltage | AC 220V 50HZ |
| working air pressure | 2-3KGF/C m2 |
| operating ambient temperature | -20~+40℃ |
| power | 30W |
| Noise | Less than 65 dB |
| conveying distance | 1~4 m |
| Screw pocket capacity | M2*6 5000PCS |
| outline dimension | 400*250*190MM |
| Weight | 9KG |
| Applicable screw | 1. M1~M8 2.apply any material screw 3.word, cross, triangle, plum blossom, inner corner, H head角、H 头 |

| | |
|--------|--|
| 工作电压 | AC 220V 50HZ |
| 工作气压 | 2-3KGF/C m2 |
| 工作环境温度 | -20~+40℃ |
| 功率 | 30W |
| 噪音 | 低于65分贝 |
| 输送距离 | 1~4米 |
| 螺丝兜容量 | M2*6 5000颗 |
| 外形尺寸 | 400*250*190MM |
| 机身重量 | 9KG |
| 适用螺丝 | 1. M1~M8 2.适用任何材质螺丝 3.一字、十字、三角、梅花、内方角、H头 |

>HANDLE TYPE AUTOMATIC BRUSHLESS ELECTRIC SCREWDRIVER

按柄式无刷全自动电动螺丝刀



Features:

- This automatic electric screwdriver, when the screw lock power achieve to the set torque value, the driver motor will automatically jump off, the motor will automatically power off and timely brake, so that to make the electric screwdriver to stop the operation.
- The motor with carbon-free brush, does not produce the dust, with low noise, good durability, no need to maintain.
- With the contactless switch, do not need to replace its consumable products, long service life.
- The positive/reverse switch complies with the human-machine project size and can be switched by one hand.
- The torque is adjusted by torque adjustment ring, it can rotate left and right, stepless change , its speed can be divided into Hi/lo sections.
- With A, B, C, D, four screwdriver heads sorted.
- Suitable for notebook, integrated substrate, digital camera, mobile phone and other product assembly.
- Suitable for using in cleanrooms.

产品特点：

- 全自动电动起子，当螺丝锁紧达到设定扭力时，离合器会自动跳脱，马达会自动断电并及时刹车，让电动起子停止运转。
- 采用无碳刷电机，不会产生粉尘，噪音小，耐久性，不需保养。
- 采用无触点开关，不需要更换易耗品，超长使用寿命。
- 正/反转切换开关符合人机工程尺寸，可以单手切换操作。
- 扭力调整由扭力调整环左右旋转无级调节，转速可分Hi/Lo开关两段调节。
- 有A、B、C、D，四种起子头可供选用。
- 适用于笔记本、集成基板、数码相机、手机等产品组装作业。
- 适合在无尘车间使用。

TECHNICAL PARAMETERS / 技术参数：

| Model 型号 | Torque Range (kgf.cm) 扭力范围 (kgf.cm) | No-load speed 空载转速 Hi LO | Input Voltage 输入电压 | Weight (g) 重量 (g) | Applicable screws 适用螺丝 | Standard Batch Head 标准批头 |
|-------------|--|--------------------------------|-----------------------|----------------------|---------------------------|-----------------------------|
| BFN B-2000 | 0.2-3.5 | 1000 | 30V | 330 | M1.2-M2.5 | Φ4mm |
| BFN B-3000 | 0.3-6.5 | 1000 | | 330 | M1.4-M2.6 | Φ4mm |
| BFN B-4000 | 1-10 | 1000 | | 430 | M1.4-M3.0 | Φ5mm |
| BFN B-5000 | 2-12 | 1000 | | 430 | M1.6-M3.0 | Φ5mm |
| BFN B-6000 | 2-12 | 2000 | | 430 | M1.6-M3.0 | Φ5mm |
| BFN B-7000 | 3-19 | 1000 | | 430 | M2.3-M3.5 | Φ5mm |
| BFN B-8000 | 5-25 | 1000 | | 740 | M2.6-M4.0 | 1/4 hex |
| BFN B-9000 | 10-35 | 500 | | 740 | M3.0-M5.0 | 1/4 hex |
| BFN B-9000A | 15-45 | 500 | | 740 | M3.5-M5.5 | 1/4 hex |
| | | | | | | |

Standard accessories: Power adapter, connecting wire, power cord, electric batch hanging spring, screwdriver head, one piece for each kind of accessories .

标准配件：电源适配器、连接线、电源线、电批吊簧、起子头，每种配件出厂标配数量为1个。

>

PRESSED BRUSHLESS AUTOMATIC ELECTRIC SCREWDRIVER

无刷带记数按柄式电动螺丝刀

- Features:
- Automatic electric screwdriver, when the screw lock to the set torque, the clutch will automatically jump off, the motor will automatically power off and timely braking, so that to make the electric screwdriver stop operation.
 - The motor with carbon-free brush, does not produce the dust, with low noise, good durability, no need to maintain.
 - With the contactless switch, do not need to replace its consumable products, long service life.
 - The positive/reverse switch complies with the human-machine project size and can be switched by one hand
 - The torque is adjusted by torque adjustment ring, it can be rotated left and right by stepless adjustment , its speed can be divided into Hi/lo sections.
 - With A, B, C, D, four screwdriver heads sorted.
 - Suitable for notebook, integrated substrate, digital camera, mobile phone and other product assembly.
 - Suitable for using in cleanrooms.

- 产品特点：
- 全自动电动起子，当螺丝锁紧达到设定扭力时，离合器会自动跳脱，马达会自 动断电并及时刹车，让电动起子停止运转。
 - 采用无碳刷电机，不会产生粉尘，噪音小，耐久性，不需保养。
 - 采用无触点开关，不需要更换易耗品，超长使用寿命。
 - 正/反转切换开关符合人机工程尺寸，可以单手切换操作。
 - 扭力调整由扭力调整环左右旋转无级调节，转速可分Hi/Lo开关两段调节。
 - 有A、B、C、D，四种起子头可供选用。
 - 适用于笔记本、集成基板、数码相机、手机等产品组装修作业。
 - 适合在无尘车间使用。



TECHNICAL PARAMETERS：技术参数：

| Model 型号 | Torque Range (kgf.cm) 扭力范围 (kgf.cm) | No-load speed 空载转速 Hi LO | Input Voltage 输入电压 | Weight (g) 重量 (g) | Applicable screws 适用螺丝 | Standard Batch Head 标准批头 |
|--------------|--|--------------------------------|-----------------------|----------------------|---------------------------|-----------------------------|
| BFN B-5000P | 1-10 | 1000 | 30V | 540 | M1.4-M3.0 | Φ5mm |
| BFN B-6000P | 1-10 | 2000 | | 540 | M1.4-M3.0 | Φ5mm |
| BFN B-7000P | 2-12 | 1000 | | 540 | M1.6-M3.0 | Φ5mm |
| BFN B-8000P | 3-19 | 1000 | | 540 | M2.3-M3.5 | Φ5mm |
| BFN B-9000P | 5-25 | 1000 | | 680 | M2.6-M4.0 | 1/4 hex |
| BFN B-9000AP | 10-35 | 500 | | 680 | M3.0-M5.0 | 1/4 hex |
| BFN B-9000BP | 15-45 | 500 | | 680 | M3.5-M5.5 | 1/4 hex |

Standard accessories: Power adapter, connecting wire, power cord, electric batch hanging spring, screwdriver head, one piece for each kind of accessories .
标准配件：电源适配器、连接线、电源线、电批吊簧、起子头，每种配件出厂标配数量为1个。

>

ELBOW ELECTRIC SCREWDRIVER

BFN B-6000L 弯头电动螺丝刀/超值性手按式电动螺丝刀

- Features:
- Automatic electric screwdriver, when the screw lock to the set torque, the clutch will automatically jump off, the motor will automatically power off and timely braking, so that to make the electric screwdriver stop operation.
 - The motor with carbon-free brush, does not produce the dust, with low noise, good durability, no need to maintain.
 - With the contactless switch, do not need to replace its consumable products, long service life.
 - The positive/reverse switch complies with the human-machine project size and can be switched by one hand.
 - The torque is adjusted by torque adjustment ring, it can rotate left and right stepless , its speed can be divided into Hi/lo sections.
 - With A, B, C, D, four screwdriver heads sorted.
 - Suitable for notebook, integrated substrate, digital camera, mobile phone and other product assembly.
 - Suitable for use in the cleanroom workshop, convenient for the assembly operation which can not be directly operated, meet the special requirements of the lock.
- Features:
- 全自动电动起子，当螺丝锁紧达到设定扭力时，离合器会自动跳脱，马达会自 动断电并及时刹车，让电动起子停止运转。
 - 采用无碳刷电机，不会产生粉尘，噪音小，耐久性，不需保养。
 - 采用无触点开关，不需要更换易耗品，超长使用寿命。
 - 正/反转切换开关符合人机工程尺寸，可以单手切换操作。
 - 扭力调整由扭力调整环左右旋转无级调节，转速可分Hi/Lo开关两段调节。
 - 有A、B、C、D，四种起子头可供选用。
 - 适用于笔记本、集成基板、数码相机、手机等产品组装修作业。
 - 适合在无尘车间使用，方便于无法直接操作的组装修作业，满足特殊的锁付要求。



>

SUPER VALUE TRIGGER START TYPE

超值性手按式电动螺丝刀



- Features:
- It is automatic Electric Screwdriver. When the torque is locked, the clutch will automatically trip , the motor power will be automatically off and the electric screwdriver will stop running.
 - Brushless Motor is applicable in a dust-free condition . The output of torque is highly stable . It is not only a easy-operate equipment but this screwdriver can be operated for a long period.
 - Non-contact switch is used to provide a durable life in which there is no necessity to replace the item often.
- 产品特点：
- 全自动电动螺丝刀，当螺丝锁紧达到设定扭力时，离合器会自动跳脱，马达会自动断电并及时刹车，让电动螺丝刀停止运转。
 - 无碳刷电机，扭力输出更加稳定，适合在无尘作业环境使用，稳定性高，操作性高，操作简单，螺丝刀可以长时间使用。
 - 采用无触点开关，不需要更换易耗品，超长使用寿命。

TECHNICAL PARAMETERS / 技术参数：

| Model 型号 | Measuring Range 扭力范围 (kgf.cm) | No load speed 空载转速 Hi LO | Input voltage 输入电压 | Weigh 重量 g | Diameter of screw 适用螺丝 | Screw bit 标准批头 |
|-------------|-------------------------------------|--------------------------------|-----------------------|------------------|---------------------------|-------------------|
| BFN B-0235L | 0.2-3.5 | 1000 | 30v | 330 | M1.2-M2.5 | Φ4mm |
| BFN B-0365L | 0.3-6.5 | 1000 | | 330 | M1.4-M2.6 | Φ4mm |
| BFN B-1010L | 1-10 | 1000 | | 500 | M1.4-M3.0 | Φ5mm |
| BFN B-2015L | 2-15 | 1000 | | 500 | M1.6-M3.0 | Φ5mm |
| BFN B-3019L | 3-19 | 1000 | | 500 | M2.3-M3.5 | Φ5mm |
| BFN B-5025L | 5-25 | 1000 | | 740 | M4.0-M6.0 | 1/4 hex |

Note: Power adapter、Cable、Power cord、Suspension spring、Screwdriver bits、Factory provides only one piece as the standard quantity for each kind of accessory.
标准配件：电源适配器、连接线、电源线、电批吊簧、起子头，每种配件出厂标配数量为1个。

> POWER ADAPTER

BFN B-1000 电源适配器

- Features:
- Small size, can be hang up.
 - Direct Input AC power supply, more convenient. Stable output voltage, effectively improve the lock quality.
 - Two-stage speed adjustment design to improve assembly efficiency and quality.

- 产品特点:
- 体积小，可悬挂，不占空间。
 - 直接输入AC电源使用，更方便。输出电压稳定，有效提高锁付品质。
 - 两段式调速设计，提高装配效率及质量。



TECHNICAL PARAMETERS / 技术参数:

| Model 机型 | Input Voltage 输入电压 | Output Voltage 输出电压 | Output Power 输出功率 | Load Current 负载电流 | Weight (g) 重量 (g) | Size (mm) 尺寸 (mm) | Output Terminals 输出端子 |
|-------------|-----------------------|------------------------|----------------------|----------------------|----------------------|----------------------|--------------------------|
| BFN B-1000 | AC110-220V | DC 20/30V | 60 W | 5A | 250 | 100*70*42 | 6P |

> PISTOL-SHAPED HANDLE FOR ELECTRIC SCREWDRIVER

BFN B-1000A 电动螺丝刀枪形手柄

- Features:
- Apply to tighten the screw horizontally , starting by downward press, it can effectively reduce the back seat force when doing large torque tightening, so that the operation is more safety.

- 产品特点:
- 适用于横向拧紧螺丝操作，下压式启动，大扭矩拧紧时能有效降低后座力，操作更安全。



> ELECTRIC SCREWDRIVER TORQUE PROTECTIVE SHELL

BFN B-1000B 电动起子扭力护套

- Features:
- Lock at the side of the protection shell, it can effectively prevent the operator to adjust the torque casually.

- 产品特点:
- 能有效防止操作员随意调整扭力在保护套侧面用螺丝锁死。



> ELECTRIC SCREWDRIVER SOCKET


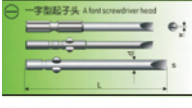

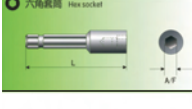

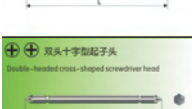
BFN B-1000C 电动螺丝刀插座

- Features:
- Product features: good for the workbench where can't hang on.

- 产品特点:
- 便于安装没法吊挂的工作台。



SCREWDRIVER HEAD TYPE AND PICTURE AS BELOW:
起子头型号及图片如下图:

| Style 样式 | Specification 规格 | L |
|---|--|-------------|
| Back-end model 后端型号 | Size 尺寸 | |
|  十字型起子头 Cross-head screwdriver | d | p e |
| | 2.0-2.6 | 00 0 1 2 |
| | 3.0-5.0 | 2 |
| | 20-30 | |
|  一字型起子头 A flat screwdriver head | W | |
| | 2.0-3.0 | 0.4 0.6 0.8 |
| | 4.5-5.0 | 0.8 |
| | 40-100 | |
|  内六角起子头 Hexagon head screwdriver | H | |
| | 1.27/1.5/2.0 2.5/3.0/4.0 5.0/6.0 | |
| | 40-100 | |
| | A/F | |
|  六角套筒 Hex socket | 2.2-14.0 | |
| | 50-150 | |
| | d T | |
| | 2.0 T5-T6 2.0 T7-T8 3.0 T9-T10 3.5 T15 4.0 T20 5.0 T25 6.0 T30 | |
|  梅花型起子头 Plum-type screwdriver head | P | |
| | 1 | |
| | 2 | |
| | 40-100 | |
|  双头十字型起子头 Double-headed cross-shaped screwdriver head | 45-300 | |

TYPE CHOREOGARAPHY DESCRIPTION
型号编排说明:

A-L-d-e-P

- BACK-END TYPE/后端型号:
A:5mm HEX B:1/4"HEX
C:Φ4mm D:Φ5mm
- FRONT-END DIAMETER D /前端直径D
- OUTPUT SPECIFICATIONS /输出端规格 (00,0,1,2,04,T5...)
- Front-end length /前端长度
- The totallength of L length /总长度L

> AUTOMATIC ELBOW WRENCH TYPE SCREWDRIVER

全自动手按式弯头型气动螺丝刀



| 型号 Model | 转速 Speed | 重量 Weight | 长度 Length | 外径 Outer diameter | 气压 air pressure | 空压管内径 Minimum diameter of tubule | 空气耗气量 consumption | 扭力范围 Torque range | 适用螺丝 Applicable screw | |
|-------------|-------------|--------------|--------------|-------------------------|-----------------------|---|----------------------|-------------------------|--------------------------|-----------|
| | r.p.m | g | mm | mm | Kg/cm2 | mm | M3/min | Kgf-cm | 机械螺丝基准T | 自攻螺丝2.0T |
| BFN B-20AB | 1000 | 660 | 270 | 29 | 6.0 | 5.0 | 0.28 | 1-8 | M1.7-M3.3 | M1.3-M2.7 |
| BFN B-30AB | 1800 | 660 | 270 | 29 | 6.0 | 5.0 | 0.28 | 3-17 | M2.2-M4.2 | M1.7-M3.2 |
| BFN B-35AB | 2200 | 660 | 270 | 29 | 6.0 | 5.0 | 0.28 | 3-20 | M2.4-M4.5 | M2.0-M3.5 |
| BFN B-38AB | 1800 | 660 | 270 | 29 | 6.0 | 5.0 | 0.28 | 3-25 | M2.4-M4.7 | M2.0-M3.8 |
| BFN B-40AB | 1000 | 660 | 270 | 29 | 6.0 | 5.0 | 0.28 | 5-30 | M2.8-M5.0 | M2.2-M4.0 |
| BFN B-45AB | 800 | 660 | 270 | 29 | 6.0 | 5.0 | 0.28 | 5-40 | M3.2-M5.7 | M2.7-M4.4 |
| BFN B-48AB | 1800 | 1200 | 335 | 37 | 6.0 | 8.0 | 0.55 | 5-45 | M2.8-M5.8 | M2.3-M4.7 |
| BFN B-50AB | 1400 | 1200 | 335 | 37 | 6.0 | 8.0 | 0.55 | 7-50 | M2.9-M6.0 | M2.6-M4.9 |
| BFN B-55AB | 1000 | 1200 | 335 | 37 | 6.0 | 8.0 | 0.55 | 7-65 | M2.9-M6.4 | M2.6-M5.4 |
| BFN B-60AB | 550 | 1200 | 335 | 37 | 6.0 | 8.0 | 0.55 | 15-95 | M4.1-M7.0 | M3.3-M6.0 |
| BFN B-65AB | 300 | 1400 | 335 | 37 | 6.0 | 8.0 | 0.55 | 30-180 | M5.0-M9.3 | M3.3-M7.2 |
| BFN B-68AB | 250 | 1400 | 335 | 37 | 6.0 | 8.0 | 0.55 | 50-280 | M6.0-M11.0 | M4.9-M8.7 |

AUTOMATIC STRAIGHT DOWN TYPE PNEUMATIC SCREWDRIVER



全自动下压式气动螺丝刀

| 型号 Model | 转速 Speed | 重量 Weight | 长度 Length | 外径 Outer diameter | 气压 air pressure | 空压管内径 Minimum diameter of tubule | 空气耗气量 consumption | 扭力范围 Torque range | 适用螺丝 Applicable screw | |
|-------------|-------------|--------------|--------------|-------------------------|-----------------------|---|----------------------|-------------------------|--------------------------|-----------|
| | r.p.m | g | mm | mm | Kg/cm | mm | m/min | Kgf-cm | 机械螺丝基准T | 自攻螺丝2.0T |
| BFN B-10PB | 1000 | 480 | 180 | 31 | 6.0 | 5.0 | 0.22 | 0.5-2 | M1.0-M3.0 | M1.2-M2.6 |
| BFN B-20PB | 1000 | 480 | 180 | 31 | 6.0 | 5.0 | 0.22 | 1-8 | M1.7-M3.3 | M1.3-M2.7 |
| BFN B-30PB | 1800 | 480 | 180 | 31 | 6.0 | 5.0 | 0.22 | 3-17 | M2.2-M4.2 | M1.7-M3.2 |
| BFN B-35PB | 2200 | 480 | 180 | 31 | 6.0 | 5.0 | 0.22 | 3-20 | M2.2-M4.5 | M1.7-M3.5 |
| BFN B-38PB | 1800 | 480 | 180 | 31 | 6.0 | 5.0 | 0.22 | 3-25 | M2.2-M4.7 | M2.0-M3.8 |
| BFN B-40PB | 1000 | 480 | 180 | 31 | 6.0 | 5.0 | 0.22 | 5-30 | M2.8-M5.0 | M2.2-M4.0 |
| BFN B-45PB | 800 | 480 | 180 | 31 | 6.0 | 5.0 | 0.22 | 5-40 | M3.3-M5.7 | M2.7-M4.4 |
| BFN B-48PB | 1800 | 790 | 215 | 39 | 6.0 | 8.0 | 0.37 | 5-45 | M2.8-M5.8 | M2.2-M4.7 |
| BFN B-50PB | 1400 | 790 | 215 | 39 | 6.0 | 8.0 | 0.37 | 7-50 | M2.9-M6.0 | M2.6-M4.9 |
| BFN B-55PB | 1000 | 790 | 215 | 39 | 6.0 | 8.0 | 0.37 | 7-65 | M2.9-M6.4 | M2.6-M5.4 |
| BFN B-60PB | 550 | 790 | 215 | 39 | 6.0 | 8.0 | 0.37 | 15-95 | M4.1-M7.0 | M3.1-M6.0 |
| BFN B-65PB | 300 | 810 | 215 | 39 | 6.0 | 8.0 | 0.37 | 30-180 | M5.0-M9.3 | M4.0-M7.2 |
| BFN B-68PB | 250 | 810 | 215 | 39 | 6.0 | 8.0 | 0.37 | 50-280 | M6.0-M11.0 | M4.9-M8.7 |

AUTOMATIC WRENCH TYPE PNEUMATIC SCREWDRIVER

全自动手按式气动螺丝刀



| 型号 Model | 转速 Speed | 重量 Weight | 长度 Length | 外径 Outer diameter | 气压 air pressure | 空压管内径 Minimum diameter of tubule | 空气耗气量 consumption | 扭力范围 Torque range | 适用螺丝 Applicable screw | |
|-------------|-------------|--------------|--------------|-------------------------|-----------------------|---|----------------------|-------------------------|--------------------------|-----------|
| | r.p.m | g | mm | mm | Kg/cm | mm | m/min | Kgf-cm | 机械螺丝基准T | 自攻螺丝2.0T |
| BFN B-10LB | 1000 | 490 | 205 | 29 | 6.0 | 5.0 | 0.28 | 0.5-2 | M1.5-M3.0 | M1.2-M2.5 |
| BFN B-20LB | 1000 | 490 | 205 | 29 | 6.0 | 5.0 | 0.28 | 1-8 | M1.7-M3.3 | M1.3-M2.7 |
| BFN B-30LB | 1800 | 490 | 205 | 29 | 6.0 | 5.0 | 0.28 | 3-17 | M2.2-M4.2 | M1.7-M3.2 |
| BFN B-35LB | 2200 | 490 | 205 | 29 | 6.0 | 5.0 | 0.28 | 3-20 | M2.4-M4.5 | M2.0-M3.5 |
| BFN B-38LB | 1800 | 490 | 205 | 29 | 6.0 | 5.0 | 0.28 | 3-25 | M2.4-M4.7 | M2.0-M3.8 |
| BFN B-40LB | 1000 | 490 | 205 | 29 | 6.0 | 5.0 | 0.28 | 5-30 | M2.8-M5.0 | M2.2-M4.0 |
| BFN B-45LB | 800 | 490 | 205 | 29 | 6.0 | 5.0 | 0.28 | 5-40 | M3.2-M5.7 | M2.7-M4.4 |
| BFN B-48LB | 1800 | 810 | 240 | 37 | 6.0 | 8.0 | 0.55 | 5-45 | M2.8-M5.8 | M2.3-M4.7 |
| BFN B-50LB | 1400 | 810 | 240 | 37 | 6.0 | 8.0 | 0.55 | 7-50 | M2.9-M6.0 | M2.6-M4.9 |
| BFN B-55LB | 1000 | 810 | 240 | 37 | 6.0 | 8.0 | 0.55 | 7-65 | M2.9-M6.4 | M2.6-M5.4 |
| BFN B-60LB | 550 | 820 | 240 | 37 | 6.0 | 8.0 | 0.55 | 15-95 | M5.0-M9.3 | M3.3-M7.2 |
| BFN B-65LB | 300 | 830 | 240 | 37 | 6.0 | 8.0 | 0.55 | 30-180 | M5.0-M11.0 | M4.9-M8.7 |
| BFN B-68LB | 250 | 830 | 240 | 37 | 6.0 | 8.0 | 0.55 | 50-280 | M6.0-M11.0 | M4.9-M8.7 |

AUTOMATIC SCREW FEEDER

BFNB-600/600A 自动螺丝供给机

Features:

- When removing the screw, align the head of the screws, put the bit into the bit guide, slide down along the guide, and then pull out the screw forward.
- Compared to traditional screwdrivers, 1.4 seconds can be saved per screw, productivity is up to 6 times.
- Easy to operate, even new user can learn how to operate immediately.
- No need to align the screws, just put bulks of screws into the feeding room .
- Widely used in various types and lengths of screws.
- Small size, not much space occupied.
- With automatic guidance, working with the electric screwdriver or air screwdriver, no screw stucked, it is the ideal replacement of traditional screw machine.

产品特点:

- 当取出螺钉时，对螺钉头部位置，只要把批头放入批头导向处，顺着导向下滑，然后朝面前把螺钉拉出即可。
- 比起传统螺丝盘来，每个螺钉可以节省1.4秒的时间，生产率可达6倍。
- 容易操作，即使生手也能马上学会操作方法。
- 不必对正螺钉，只需将螺钉成批投入供料室内即可。
- 广泛适用于各种类型、长度的螺钉。
- 体积小，不占空间。
- 自动导向，配合电批或风批，无卡螺丝现象，是代替传统螺丝机的理想产品。

SPECS:

| Screw feeder | BFN B-600 | BFN B-600A | 自动螺丝机 | BFN B-600 | BFN B-600A |
|----------------|--------------------|---|---------------|-------------|--------------------------|
| Screw type | 1.0-5.0adjustable | 1.0-5.0adjustable | 适合螺丝 | 1.0-5.0可调 | 1.0-5.0可调 |
| Output Speed | 50-80pcs/minute | 50-80pcs/minute | 输出速度 | 50-80颗/分钟 | 50-80颗/分钟 |
| Power | AC220V | AC100V-240V | 电源 | AC220V | AC100V-240V |
| performance | adjustable track | vibrating disc and track is adjustable, counter function, suitable for automatic machine. | 性能 | 轨道可抽出调整 | 通过更换转盘和导轨调整,带记数功能,可配自动化机 |
| Weight | 2.2 kg | 3.5 kg | 重量 | 2.2 kg | 3.5 kg |
| Accessories | Manual, AC adapter | Manual, AC adapter | 附带配件 | 操作说明/直流电源 | 操作说明/直流电源 |
| Size (L*W*H)mm | 182*126*148 | 215*126*148 | 尺寸 (L*W*H) mm | 182*126*148 | 215*126*148 |

> LARGE-CAPACITY SCREW FEEDER

BFN B-600B 大容量螺丝供给机

Features:

- Compared to traditional screwdrivers, 1.4 seconds can be saved per screw, productivity is up to 6 times.
- Suitable for M3-M6 screws, widely applied to various types, length of screws.
- The silo is 50% larger than ordinary screw machine.
- Track can be easily adjusted and drawn out of the track to adjust, it's easy to understand and easy to operate.
- No screw stuck, the screw's movement is involved in the rotary drum before moving down to the bucket, any un-orbital screws will be recycled to the drum into the next cycle.
- Working speed can be adjusted, feeding rate can be changed by

- adjusting the potentiometer, the screw will not shake when arriving at the accessing point.
- Automatic guide, working with electric screwdriver or pneumatic screwdriver, no screw will be stuck, when the screw is discharged, align the head of the screws, put the bit into the bit guide, slide down along the guide, and then pull out the screw forward.
- Fault alarm function, feeding and vibration driving are controlled independently, ideal delaying stop time can be setup freely, when the abnormal situation occurs, the screw machine will start the fault alarm function, operation is as simple as other screw machine.

产品特点：

- 比起传统螺丝盘来，每个螺钉可以节省1.4秒的时间，生产率可达6倍。
- 适合M3-M6的大螺丝，广泛适用于各种类型、长度的螺钉。
- 料仓大，比普通螺丝料仓大50%。
- 轨道调整方便，螺丝机的轨道可以抽出来自由调整，简单易懂，操作方便。
- 无卡螺丝现象，螺丝在滚筒内进行运动落斗，凡是未进入轨道的螺丝都被清除到滚筒内进入下个循环。
- 可自由调整工作速度大小，通过调整电位器来改变送料速度，螺丝到达取点位置不会前后抖动。
- 自动导向，配合电动起子或气动起子，无卡螺丝现象，当排出螺钉时，对准螺钉头部位置，只要把批头插向导向处，顺着导向下滑，把螺钉拉出即可。
- 故障报警功能，送料与振动驱动独立控制，可自由设定理想的延时停止时间，当非正常情况产生时，螺丝机会启动故障报警功能，操作起来和其它螺丝机一样简单。

TECHNICAL PARAMETERS / 技术参数：

| | |
|--------------------|--|
| Screw feeder | BFN B-600B |
| Screw type | M1.0-M5.0 (longest L= 15MM) |
| Circuit protection | Overload stop or reverse, Motor and Circuit board protection |
| SizeL*W*H(mm) | 215*126*148 |
| Capacity of screws | M1.4*3 allow 4000pcs screw |
| Speed | 50-80 pcs/minute |
| Weight | 3.5 kg |

| | |
|---------------|----------------------|
| 自动螺丝机 | BFN B-600B |
| 适合螺丝 | M1.0-M5.0 (最长L=15MM) |
| 线路保护 | 过载停转或反转，保护马达与线路板 |
| 外型尺寸L*W*H(mm) | 215*126*148 |
| 螺丝容量 | M1.4*3螺丝可储存4000颗 |
| 速度 | 50-80颗/分钟 |
| 重量 | 3.5 kg |



AUTOMATIC SCREW FEEDER

BFN B-600C 自动螺丝供给机

Features:

- Improved from ordinary screw machine, increase counting function, work stably, cost-effective.
- New digital operation interface, elegant appearance.
- Quantity can be arbitrarily set from 0-999, when the amount reaches the setting quantity, it will automatically alarm and shutdown.
- Counting function cycle can be automatically / manually switched, inherited the advantages of ordinary screw machine, stable performance, adjustable screw card track, operation and other screw machine as simple.
- Screws sizes are adjustable from 1-5MM.

产品特点：

- 在普通螺丝机基础上改进，增加计数功能，工作稳定，性价比更高。
- 全新数字面板操作，美观大方。
- 数量0-999任意设定，数字一目了然，量到自动报警并停机。
- 计数功能循环可自动/手动切换。
- 继承了普通螺丝机的优点，性能稳定，不卡螺丝轨道可调，操作和其它螺丝机一样简单。
- 螺丝1-5MM大小可调。

SPECS:

| | |
|-------------------------------|---------------------------------|
| Screw feeder | BFN B-600C |
| screw adjustable | all screw series include gasket |
| Speed | 2pcs/second |
| the range of adjustable track | 1.0-5.0mm |
| Power | AC220V |
| Weight | 2.2 kg |
| Accessories | AC adapter |
| Size L*W*H (mm) | 182*126*148 |

规格：

| | |
|-----------------|------------------------|
| 自动螺丝机 | BFN B-600C |
| 适合螺丝 | 各种型号螺丝包含带垫片螺丝 (L=20MM) |
| 输出速度 | 2颗/秒 |
| 轨道可调范围 | 1.0-5.0mm |
| 电源 | AC220V |
| 重量 | 2.2 kg |
| 附带配件 | 直流电源 (DC12V) |
| 包装盒尺寸L*W*H (mm) | 182*126*148 |

> ROTARY SCREW MACHINE

BFN B-700/700A 转盘式螺丝机

Features:

- Orbit can be adjusted by changing the turntable and rail, suitable for M1.0-M5.0 screws, screws length up to 12mm.
- Low fault rate, low noise, with stuck reversal and fault alarm function.
- Small size, little space occupied, supplying and feeding can be controlled separately.
- With signal output for automatic machine use, with repeat positioning accuracy of ± 0.02 .
- Cooperating with automatic machine, the screws can be transferred to the fetch mouth from the orbit exit through the turntable, cooperating with manipulator or automatic machine.

产品特点:

- 轨道可调，通过更换转盘和导轨调整，可适用M1.0-M5.0的螺丝，螺丝长度可达12mm。
- 故障少，噪音低，有卡料反转和故障报警功能。
- 体积小巧不占空间，上料和送料单独控制。
- 有信号输出配合自动机使用，重复定位精度 ± 0.02 。
- 配合自动机使用，能把螺丝从导轨出口一个个利用转盘，转移到取料口，配合机械手或者自动机使用。



TECHNICAL PARAMETERS:

| Screw feeder | BFN B-700 | BFN B-700A |
|----------------|------------------------|-----------------------------|
| screw type | 20MM the length < 20mm | 20MM the length < 20mm |
| Speed | $\pm 0.3S$ | $\pm 0.3S$ |
| Power | AC100 V-240 V | AC100 V-240 V |
| Weight | 3.2 kg | 3.2 kg |
| Accessories | Manual, AC adapter | Manual, AC adapter |
| Size L*W*H(mm) | 123*181*145 | 123*181*145 |
| Difference | manual pick up screw | vibrates disc for the screw |

技术参数:

| 转盘式螺丝机 | BFN B-700 | BFN B-700A |
|---------------|------------------------|------------------------|
| 适合螺丝 | M1.0-M5.0 螺丝长度小于等于20MM | M1.0-M5.0 螺丝长度小于等于20MM |
| 输出速度 | 1粒/秒 $\pm 0.3S$ | 1粒/秒 $\pm 0.3S$ |
| 输入电压 | AC100 V-240 V | AC100 V-240 V |
| 重量 | 3.2 kg | 3.2 kg |
| 附带配件 | 直流电源, 操作指南 | 直流电源, 操作指南 |
| 产品尺寸L*W*H(mm) | 123*181*145 | 123*181*145 |
| 区别 | 手取带转盘螺丝机 | 机用带转盘螺丝机 |



> RALLY

BFN B-1400/ BFN B-1500 拉力器

> AUTOMATIC SCREW FEEDER

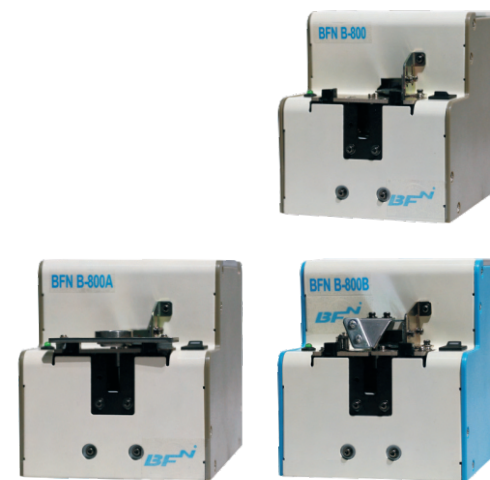
BFN B-800/800A/800B 点数螺丝机

Features:

- With high-precision calculator, the number of 0 to 9999 arbitrarily set, single and multi-stage can be customized (default is single), multi-stage number and number of sections can be selected to reach the set number of materials, automatically enter the next cycle.
- Products compact, can be placed on the workbench, can be used with automation (manual, automatic), reduce employee labor, improve work efficiency, cost savings.
- This machine is mainly suitable for the smaller screws feeder, to prevent from screw missing, it is good for the packing sector.

产品特点:

- 具有高精度计算器，数量0~9999任意设定，单段和多段可定做（默认为单段），多段数量和段数可选择，到达设定数量取料后，自动进入下一个循环。
- 产品小巧，可以放在工作台上，可搭配自动化使用（手动、自动），降低员工劳动程度，提高工作效率，节约成本。
- 本机主要适用小螺比钉的点数功能，防止漏打螺丝，进行螺丝打包包装使用。



TECHNICAL PARAMETERS:

| Screw feeder | BFN B-800 | BFN B-800A | BFN B-800B |
|----------------|-----------------------------|--|----------------------|
| Screw type | M1.0-M4.0 | M1.0-M4.0 | M1.0-M4.0 |
| Speed | $\pm 0.3S$ | $\pm 0.3S$ | $\pm 0.3S$ |
| Power | AC100V-240V | AC100V-240V | AC100V-240V |
| Power | DC15V 1A | DC15V 1A | DC15V 1A |
| Weight | 3.0kg | 3.0kg | 3.0kg |
| SizeL*W*H (mm) | 123*181*145 | 123*181*145 | 123*181*145 |
| Difference | vibrates disc for the screw | Manual or machinery, vacuum absorption | manual pick up screw |

技术参数:

| 自动螺丝机 | BFN B-800 | BFN B-800A | BFN B-800B |
|---------------|-------------|-----------------|-------------|
| 适合螺丝 | M1.0-M4.0 | M1.0-M4.0 | M1.0-M4.0 |
| 走料速度 | 1颗/秒 | 1颗/秒 | 1颗/秒 |
| 输入电压 | AC100V-240V | AC100V-240V | AC100V-240V |
| 输出电源 | DC15V 1A | DC15V 1A | DC15V 1A |
| 重量 | 3.0kg | 3.0kg | 3.0kg |
| 产品尺寸L*W*H(mm) | 123*181*145 | 123*181*145 | 123*181*145 |
| 区别 | 机用带转盘螺丝机 | 手取也可机用, 是带真空吸附的 | 手取带转盘螺丝机 |



> BALANCER

BFN B-1200/ BFN B-1300 平衡器

TECHNICAL PARAMETERS:

| model | BFN B-1200/1300 | 型号 | BFN B-1200/1300 |
|------------------|-----------------|--------|-----------------|
| Working capacity | 0.6-1.2/1.2-2.0 | 工作容量kg | 0.6-1.2/1.2-2.0 |
| Length of work | 1500 | 工作长度mm | 1500 |
| Dimensions | 95*145*35 | 外形尺寸mm | 95*145*35 |
| kg | 0.38/0.4 | 重量 kg | 0.38/0.4 |

PNEUMATIC SCREWDRIVER VERTICAL BRACKET

BFN B-200 电动/气动起子垂直支架

Features:

- Vertical lock + light lock + pay to reduce lock fatigue + adapt to electric screwdriver = lock to improve the efficiency and quality
- Reduce operational fatigue and improve lock-pay efficiency and lock-up accuracy.
- Optional table upright and wall hanging installation.
- Support a full range of electric / pneumatic screwdrivers, push-down and lever-type screwdrivers can be adapted.
- Matching screwdriver holder according to model, easy to operate, the appearance of light.
- The body is made of aluminum alloy material processed by Yang, material strength and light weight.
- Parallel arm horizontal design lock to pay, from top to bottom free adjustment, horizontal 180 degrees free rotation.
- Fixed tube can be highly free to adjust, the combination of two forearms, move more flexible.
- Assembly is simple, suitable for a variety of assembly environment operations.

产品特点：

- 垂直锁付+轻巧锁付+降低锁付疲劳度+适应电气动起子=提高锁付效率及品质
- 减轻操作疲劳，提高锁付效率与锁付精度。
- 可选配桌上直立式和墙上悬挂式两种安装方式。
- 支持全系列电/气动起子，下压式和杠杆式起子均可适应。
- 依机型选配起子固定座，操作方便，外观轻巧。
- 本体采用经阳极处理之铝合金材质，材料强度佳，重量轻。
- 平行臂水平设计锁付，上下自由调节，水平180度自由旋转。
- 固定管可高度自由调节，两节点组合前臂，移动更灵活。
- 装配简单，适用各种装配环境中作业。



THE FIRST GENERATION TORQUE TESTER

第一代扭力测试仪 HP-10/20/50/100

Features:

- Used to detect the electric screwdriver, pneumatic screwdriver, torque wrench torque settings of a variety of conditions.
- Measuring a variety of electric screwdriver, torque screwdriver, torque wrench size.
- Measurement of other products through the fixture, such as the tightness of the stopper (lid), the destruction of small parts experiment, plastic screw quality control.

产品特点：

- 用于检测电动起子、气动起子、各种扭力扳手的扭力设定状况。
- 测量各种电动起子、扭力螺丝批、扳手的扭力大小。
- 通过夹具测量其它产品，如瓶盖（盖）的紧度，小零件的破坏实验、塑料螺杆的品质控制。



第一代扭力测试仪 HP-10/20/50/100

TECHNICAL PARAMETERS：

| 型号 | HP-10 | HP-20 | HP-50 | HP-100 |
|-----------|---------------------------|------------|------------|------------|
| 峰值范围 | N.m | 0.015-1.00 | 0.050-2.00 | 0.075-5.00 |
| | Lbf.in | 0.15-9.0 | 0.50-18.0 | 0.75-45.0 |
| | Kgf.cm | 0.15-10.00 | 0.50-20.0 | 0.75-50.0 |
| 精度 | ± 1% | | | |
| 测量方式 | TRACK、PEAK | | | |
| 尺寸(mm) | 124(W)*230(D)*65(H) | | | |
| 重量 | 1.8kg | | | |
| 电源(充电时间) | 1.2V 镍镉电池*5节(充电时间在8小时以内) | | | |
| 充满电连续使用时间 | 12小时(节电状态时可使用100小时) | | | |
| 电池寿命 | 约可充电300次 | | | |
| 专用充电器 | 输入：AC100V,120 Or 220~240V | | | |
| | 输出：DC7.2V 120mA | | | |

技术参数：

| model | HP-10 | HP-20 | HP-50 | HP-100 |
|---------------------------------------|--|------------|------------|------------|
| Peak range | N.m | 0.015-1.00 | 0.050-2.00 | 0.075-5.00 |
| | Lbf.in | 0.15-9.0 | 0.50-18.0 | 0.75-45.0 |
| | Kgf.cm | 0.15-10.00 | 0.50-20.0 | 0.75-50.0 |
| Accuracy | ± 1% | | | |
| Measurement method | TRACK、PEAK | | | |
| Size (mm) | 124(W)*230(D)*65(H) | | | |
| Weight | 1.8kg | | | |
| Power (charging time) | 1.2V NiCd battery * 5 (charging time in less than 8 hours) | | | |
| Full charge of continuous use of time | 12小时 12 hours (Power-saving state can be used 100 hours) | | | |
| Battery Life | About 300 chargeable | | | |
| Dedicated charger | input : AC100V,120 Or 220~240V | | | |
| | output : DC7.2V 120mA | | | |

SECOND-GENERATION TORQUE TESTER

第二代扭力测试仪 HP-10/20/50/100

Product Introduce:

- Digital torque tester is to detect, test and calibrate a variety of torque precision instruments
- Used to measure and adjust a variety of electric screwdriver, wind approved, torque approved, torque wrench torque and torque settings.
- It suitable for all kinds of products which need to measure the torque of the shaft, bearings, caps etc. Have a special fixture, fixtures and other tools.

产品特点：

- 数字扭力测试仪是检测和测试及校准各种力矩的精密仪器。
- 用于测量和校正各种电批、风批、扭力批、扭力扳手的力矩及扭力设定状况。
- 适用于各种需测量力矩的转轴、轴承、瓶盖等产品，有专用卡具、夹具等工具。

TECHNICAL PARAMETERS：

| Item NO. | HP-10 | HP-20 | HP-50 | HP-100 |
|------------------|--|------------|------------|------------|
| Peak range | N.m | 0.015-1.00 | 0.020-2.00 | 0.075-5.00 |
| | Lbf.in | 0.15-9.0 | 0.20-18 | 0.75-45.0 |
| | Kgf.cm | 0.15-10.00 | 0.20-20 | 0.75-50.0 |
| Precision | ± 1% | | | |
| Type | Highest, full and first highest | | | |
| Volume (mm) | 123 x 230 x 65 | | | |
| Weight (kg) | 1.8 kg | | | |
| Power | 1.2V NiCd Battery 5pcs, 1200mAh | | | |
| Battery charging | 6小时 | | | |
| Usage time | 8小时 | | | |
| Transformer | Input : AC 120V or 220~240V, Output : DC 7.25V 120mA | | | |

技术参数：

| 型号 | HP-10 | HP-20 | HP-50 | HP-100 |
|--------|---|------------|------------|------------|
| 峰值范围 | N.m | 0.015-1.00 | 0.020-2.00 | 0.075-5.00 |
| | Lbf.in | 0.15-9.0 | 0.20-18 | 0.75-45.0 |
| | Kgf.cm | 0.15-10.00 | 0.20-20 | 0.75-50.0 |
| 精度 | ± 1% | | | |
| 模式 | 最高、全程及首最高 | | | |
| 体积(mm) | 123 x 230 x 65 | | | |
| 重量(kg) | 1.8 kg | | | |
| 电源 | 1.2V NiCd 电池5个, 1200mAh | | | |
| 充电时间 | 6小时 | | | |
| 连续使用时间 | 8小时 | | | |
| 变压器 | 输入：AC 120V or 220~240V, 输出：DC 7.25V 120mA | | | |

> LABEL PEELING MACHINE

BFN B-115 标签剥离机

Product Features:

- Use Label peeling machine, the label will keep clean and pollution-free, free from damage, wrinkles, increase efficiency and ensure product quality.
- To change the traditional way of working to reduce the adverse effects of human factors, use electronic control and automatic sensing operation, quick separation of stickers, improve the effect of the paste, reduce the difficulty of work..
- Automatic peeling, when finished the label, and removed, automatically the second label, accurate and reliable.
- Suitable for self-adhesive labels, bar codes, security, laser, bronzing stickers, packaging trademarks, insulation pads, toy stickers, production date, printing the fast separation paste.
- Label peeling machine have high versatility, easy to replace the label roll.

产品特点：

- 使用标签剥离机，标签洁净无污染，免破损，不起皱纹，增加效率，保证产品质量。
- 改变传统工作方式，减少人为因素的不良影响，电子控制，自动感应操作，快速分离贴纸，提高粘贴效果，降低工作难度。
- 全自动剥离，标签取走后自动剥离第二张，准确可靠。
- 适用于自粘标签，条码，防伪，镭射，烫金贴纸，封装商标，绝缘材料胶垫，玩具贴纸，生产日期，印刷图案的快速分离粘贴。
- 标签剥离机通用性强，更换标签卷简单方便。

TECHNICAL PARAMETERS :

技术参数：



| | |
|-------------------------------|-----------------------|
| Length of Label | 5-150mm |
| Wide of Label | 5~120mm |
| Label peeling speed | 250cm/分钟 |
| Outer diameter of paper core | 最大200mm |
| Inside diameter of paper core | 最小20mm |
| Power | 220V/50HZ |
| Dimensions | 260*290*260mm (长*宽*高) |

| | |
|--------|-----------------------|
| 出标长度 | 5-150mm |
| 出标宽度 | 5~120mm |
| 标签剥离速度 | 250cm/分钟 |
| 纸卷外径 | 最大200mm |
| 纸卷内径 | 最小20mm |
| 电源 | 220V/50HZ |
| 外形尺寸 | 260*290*260mm (长*宽*高) |

> LABEL PEELING MACHINE

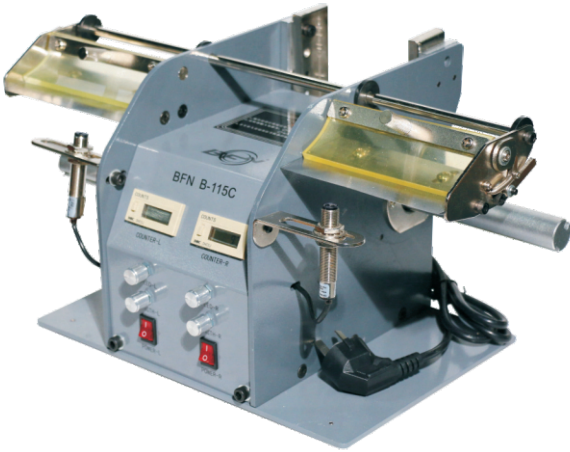
BFN B-115C 标签剥离机

Features:

- Use Label peeling machine, the label will keep clean and pollution-free, free from damage, wrinkles, increase efficiency and ensure product quality.
- To change the traditional way of working to reduce the adverse effects of human factors, use electronic control and automatic sensing operation, quick separation of stickers, improve the effect of the paste, reduce the difficulty of work.
- Automatic peeling, when finished the label, and removed, automatically the second label, accurate and reliable.
- The label length of peeling could be adjust as request.
- One machine can be use by several person at the same time, both sides can also be used alone,the speed can be adjustable, won't be interfere with each other.
- Can peeling two kinds of different labels at the same time.
- Suitable for self-adhesive labels, bar codes, security, laser, bronzing stickers, packaging trademarks, insulation pads, toy stickers, production date, printing the fast separation paste.
- Label peeling machine have high versatility, easy to replace the label roll.

产品特点：

- 使用标签剥离机，标签洁净无污染，免破损，不起皱纹，增加效率，保证产品质量。
- 改变传统工作方式，减少人为因素的不良影响，电子控制，自动感应操作，快速分离贴纸，提高粘贴效果，降低工作难度。
- 全自动剥离，标签取走后自动剥离第二张，准确可靠。
- 剥离长度可任意调整。
- 一机可供多人使用，两边也可以单独使用，速度可调，二者互不干扰。
- 可以同时剥离两种不同的标签。
- 适用于自粘标签，条码，防伪，镭射，烫金贴纸，封装商标，绝缘材料胶垫，玩具贴纸，生产日期，印刷图案的快速分离粘贴。
- 标签剥离机通用性强，更换标签卷简单方便。



TECHNICAL PARAMETERS :

技术参数：

| | |
|-------------------------------|--------------------------------------|
| Length of Label | 5-150mm |
| Wide of Label | 5~120mm (Can be customized to 150mm) |
| Label peeling speed | 250cm/分钟 |
| Outer diameter of | 最大200mm |
| Inside diameter of paper core | 最小20mm |
| Power | 220V/50HZ |
| Rate of work | 30 W |
| Weight | 12 kg |
| Dimensions | 275*278*317mm (L*W*H) |

| | |
|--------|-----------------------|
| 出标长度 | 5-150mm |
| 出标宽度 | 5~120mm (可订做至150mm) |
| 标签剥离速度 | 250cm/分钟 |
| 纸卷外径 | 最大200mm |
| 纸卷内径 | 最小20mm |
| 电源 | 220V/50HZ |
| 功率 | 30 W |
| 重量 | 12 kg |
| 外形尺寸 | 275*278*317mm (长*宽*高) |

> AUTOMATIC TAPE CUTTER

BFN B60 自动胶带切割机

Features:

- Cutting tape, adhesive tape, protective film width is 6-60mm. Applied to filament tape, reinforced tape, acetate fiber tape, glass fiber tape, double-sided tape, Normex and so on.
- Can clamp two tapes at the same time, can cut at the same time. With memory function, set the length of OK, after power off or reset can still save the original data.
- Cycle shear function, free to set six different lengths of loop supply.
- Thick adhesive tape can be applied, cutting length accurate.
- High safety performance, A ,designed safety barrier at the cutter. B, When the machine is blocked, the safety jig will work automatically.
- Even if the blockage is cleared, the machine will not work immediately and must be restarted by pressing the start key.
- No wheel design.

产品特点：

- 切割胶带、胶纸、保护膜宽度为6-60mm。适用于细丝胶带、强化胶带、醋酸纤维胶带、玻璃纤维胶带、双面胶、Normex等。
- 可以同时装夹两卷胶带，同时剪切。
- 记忆功能，设置OK的长度，关机后再开机，仍然保存原来数据。
- 循环剪切功能，自由设定六组不同长度循环供应。
- 厚薄胶纸都能适用，切割长度精确。
- 安全性能高，A 在切刀处设计有安全挡板。B 当机器遭到阻塞后，警戒装置自动工作，即使把堵塞物清除，机器也不会立刻工作，必须重新按开始键后才继续工作。
- 无滚轮设计。



TECHNICAL PARAMETERS / 技术参数：

| | |
|---------------------|-------------------------|
| 电源 Power | AC220V 50HZ/AC110V 60Hz |
| 剪切宽度 Cutting width | 6-60mm |
| 剪切长度 Cutting length | 5-999mm |
| 外形尺寸 External size | 116(W)*140(H)213(L)mm |



DATA SHEET：

| | |
|----------------|------------------------------|
| Power | AC220V 50Hz /AC110V 60Hz |
| External size | 137 (W) *218 (L) *150 (H) mm |
| G.W | 2.4 kg |
| Cutting width | 7mm-50mm |
| Cutting length | 20-999mm±1 (mm) |
| Application | Stick tape |

技术参数：

| | |
|------|--------------------------|
| 电源 | AC220V 50Hz /AC110V 60Hz |
| 外形尺寸 | 137(W)*218(L)*150(H)mm |
| 重量 | 2.4 kg |
| 剪切宽度 | 7mm-50mm |
| 剪切长度 | 20-999mm±1 (mm) |
| 适用范围 | 粘性胶带 |

> AUTOMATIC TAPE CUTTER

BFN B-1000M 自动胶带切割机

Features:

- Shortest cutting length:20mm
- For shear tape adhesive tape.
- Memory function, set the length of OK, power off and then boot, still save the original data.
- There are manual / automatic tape mode.
 - Cut adhesive tape
 - "length setting" memory
 - With manual and automatic functions
 - Automatic adhesive tape with the security function

产品特点：

- 最短切20mm。
- 适用剪切带粘性的胶带。
- 记忆功能，设置OK的长度，关机后再开机，仍然保存原来数据。
- 有手动/自动两种出胶带模式。
 - 切粘胶带
 - 长度设置”记忆
 - 具有手动与自动功能
 - 具有胶纸感应自动出纸安全功能



>AUTOMATIC TAPE CUTTER

RT-5000 自动胶带切割机

Features:

- Shortest cutting length:20mm
- With adhesive tape and non-sticky protective film are suitable for cutting.
- Can clamp two tapes at the same time, cut at the same time.
- Memory function, set the length of OK, power off and then boot, still save the original data.
- Cycle shear function, free to set three different lengths of circulation supply.
- The installation of overlapping stent, the adhesive tape can be superimposed 2 or 3 and then cut.
- The installation of peel support, tape, metal paper at the bottom of the bottom of the paper peel and then cut.
 - ☐length of any regulation, digital display.
 - ☐Three-segment memory combination cut function.
 - ☐manual, automatic two modes.
 - ☐After adding bracket can be 2 or 3 layers of adhesive tape overlap cutting. A tape sensor with automatic paper output function.

产品特点：

- 最短可以切5mm。
- 带粘性的胶带和带粘性的保护膜都适用剪切。
- 可以同时装夹两卷胶带，同时剪切。
- 记忆功能，设置OK的长度，关机后再开机，仍然保存原来数据。
- 循环剪切功能，自由设定三组不同长度循环供应。
- 加装重叠支架后，可以将胶纸重叠2层或者3层再剪切。
- 加装剥离支架，可以将胶带、金属纸底部的底层纸剥离后再剪切。
 - ☐长度任意调节，数码显示。
 - ☐三段记忆组合剪切功能。
 - ☐手动、自动两种模式。
- ☐加支架后可将2层或3层胶纸重叠切割。具有胶纸感应自动出纸功能。

DATA SHEET / 技术参数：

| | | | |
|---------------|---------------------------|----------------|-------------------------|
| Power | AC220V 50Hz /AC110V 60Hz | Cutting width | 5mm-50mm |
| Weight | 3 kg | Cutting length | 5-999mm±1 (mm) |
| External size | 137 (W)*218 (L)*150 (H)mm | Application | Stick or non-stick tape |

| | | | |
|------|---------------------------|------|----------------|
| 电 源 | AC220V 50Hz /AC110V 60Hz | 剪切宽度 | 5mm-50mm |
| 重 量 | 3 kg | 剪切长度 | 5-999mm±1 (mm) |
| 外形尺寸 | 137 (W)*218 (L)*150 (H)mm | 适用范围 | 粘性、不粘性两种胶带 |



AUTOMATIC TAPE CUTTER

BFN ZCUT-2 自动胶带切割机

Features:

- Press the switch button to cut the adhesive tape, around the wheel half a week.
- Cutting distance adjustable.
- Unique conveyor system allows the tape around the edge of the turntable easy to remove.
- For the small tape on the circuit board.
- Depending on the bandwidth, the discharge interval can be adjusted.
- Can cut a variety of adhesive tape / tape, incision sharp.
- Use a dedicated base, the outer diameter of the tape up to 170MM.
- Applicable tape: vinyl tape, polyester film tape, polyethylene tape, acetate tape, cellophane, plain paper, glass cloth tape, aluminum foil tape, cotton tape, double-sided tape.
 - ☆ cut sticky tape ☆ easy to load and unload
 - ☆ suitable safety protection ☆ adjustable length.

产品特点：

- 按下开关按钮就可以切割胶纸，一次绕转盘半周。
- 切割距离可调。
- 独特的输送系统可使胶纸绕在转盘边缘易于摘取。
- 适用在电路板上的小型胶纸。
- 根据带宽，可调整排放间隔。
- 可剪切各种胶纸/胶带，切口锋利。
- 使用专用的底座，胶带的外径可达170MM。
- 适用胶带：乙烯基胶带，聚酯薄膜胶带，聚乙烯胶带，醋酸基布胶带，玻璃纸，普通纸，玻璃布胶带，铝箔胶带，棉布胶带，双面胶带等。
 - ☆ 切粘性胶带 ☆ 取摘方便
 - ☆ 合适安全防护 ☆ 长度任意调节

DATA SHEET：

| | |
|------|-------------------------------------|
| 切割长度 | 13-60mm |
| 胶带宽度 | 3-25mm |
| 带盘尺寸 | 内径：25-32-75mm |
| 外 径 | Up to 130mm |
| 电源要求 | AC100V, 120V, 220±20VM 50~60Hz,160W |
| 尺寸 | 300(W)*165 (H)*170 (D)mm |
| 重 量 | 3 kg |

技术参数：

| | |
|------|-------------------------------------|
| 切割长度 | 13-60mm |
| 胶带宽度 | 3-25mm |
| 带盘尺寸 | 内径：25-32-75mm |
| 外 径 | Up to 130mm |
| 电源要求 | AC100V, 120V, 220±20VM 50~60Hz,160W |
| 尺寸 | 300(W)*165 (H)*170 (D)mm |
| 重 量 | 3 kg |

电子工具设备
焊接类
>>>

ELECTRONIC TOOLS SOLDERING SERIES

优良的产品品质来自整个生产制造过程的严格控制和管理!



产品介绍：

焊接机器人应用于电子制造业，主要针对回流焊、波峰焊等生产设备很难达到的工艺制程，特别适用于混装电路板、热敏感元器件、SMT后端工序中敏感器件的焊接，焊接机器人代替人工，提高工作效率，改善焊接质量。

产品特点：

- 1.四轴/五轴联动机械手，全部采用伺服驱动及先进运动控制算法，有效提升运动末端（烙铁头）的定位精度和重复精度，实现3D空间任意焊点准确定位。
- 2.整体采用嵌入式工业计算机控制，WindowCE操作系统，支持在线编程和离线编程，可以多机联网作业，可以与PC机远程连接，支持SPC（统计过程控制），详尽记录生产信息和操作日志，可以支持多达8G的存储容量，可以选择单点/单次/循环作业。
- 3.简单方便的编程方式，可以直接输入焊点坐标，实现在线/离线编程，可以示教再现焊点位置坐标，示教编程操作方便，简单操作示教盒，即可引导运动末端（烙铁头）到达3D空间任意焊点位置，对操作人员没有特别技术和专业要求，实现编辑操作的人性化。
- 4.灵活多样的焊锡方式，同时支持点焊和拖焊（拉焊），全部工艺参数可由客户自行设置，以适应各种高难度焊锡作业和微焊锡工艺，全部焊锡参数可以伴随焊点坐标程序读取和保存，实现焊锡作业的柔性化。
- 5.烙铁组件可以任意角度、任意方位调节，控制烙铁组的R轴，可以360度自由旋转，可以根据不同的焊盘和元器件任意设置送锡次数、预热时间和焊锡时间，实现一板多种焊点的复杂焊接工艺，实现焊锡作业的多样化。
- 6.可以通过外部I/O接口，实现焊锡机器人对外围设备的实时控制。智能化的控制系统，执行错误报告、高速运动防震等功能。智能化的主控制程序，实现焊锡过程的自动化和智能化。
- 7.发热体与焊咀分体结构：两者的分体设计能完全避免发热体与焊咀一起更换而带来不必要的损失，可大大节省开支，降低损耗。

> WELDING ROBOT BFN F-620 焊接机器人

Product description:

Welding robots used in the electronics manufacturing industry, mainly for reflow, wave soldering and other production equipment is difficult to achieve the process, especially for hybrid circuit boards, heat-sensitive components, SMT back-end process of sensitive components of welding, welding robot instead of human labor, improve work efficiency, improve welding quality.

Features:

- 1.Four-axis / five-axis linkage manipulator, all servo drives and advanced motion control algorithm, effectively improve the movement of the end (tip) positioning accuracy and repeatability, to achieve accurate positioning of any welding space in 3D space.
2. The overall use of embedded industrial computer control, WindowCE operating system to support online programming and offline programming, you can multi-machine networking job, you can remotely connect with the PC, support SPC (statistical process control), a detailed record of production information and operation log, Can support up to 8G of storage capacity, you can choose single point / single / cycle operation.
- 3 simple and convenient programming, you can directly enter the welding spot coordinates, online / offline programming, you can teach to reproduce the spot welding position coordinates, teaching programming easy operation, simple operation of the teaching box, you can guide the end of movement Head) to reach any welding space 3D space position, there is no special technical and professional requirements for the operator, to achieve the editorial operation of the human.
4. flexible and diverse ways of solder, while supporting spot welding and drag welding (pull welding), all the process parameters can be set by the customer to adapt to a variety of difficult solder jobs and micro-solder process, all the solder parameters can be accompanied by solder joints coordinate program Read and save, to achieve the flexibility of solder operations.
5. Iron components can be any angle, any position adjustment, control the R-axis soldering iron group, you can freely rotate 360 degrees, according to different pads and components can be set to any number of tin delivery, preheating time and soldering time, to achieve a plate A variety of solder joints of the complex welding process, to achieve diversification of solder operations.
- 6 through the external I / O interface, to achieve real-time control of peripherals soldering robot. Intelligent control system, the implementation of error reporting, high-speed sports shock and other functions. Intelligent master control program to automate and intelligently solder process.
- 7.Heating body and welding tip split structure: the split design can completely avoid the heating body and welding tip together to replace and bring unnecessary loss, which can greatly save the expense and reduce the loss.

TECHNICAL PARAMETERS：

| | | | |
|-------------------------------|---------------|---|--|
| Rack (4-Axis Manipulator) | | Servo motor drive, embedded industrial computer control | |
| Model: BFN F-620 | | Measurement : 510*500*620mm | |
| X, Y axis movable range | | X=200mm Y=200mm | |
| Z, R axis movable range | | Z=50mm R=360° | |
| The maximum speed of exercise | X, Y axis PTP | 500mm/sec | |
| | Z axis PTP | 250mm/sec | |
| | R axis PTP | 600°/sec | |
| | XY axis CP | 500mm/sec | |
| | XYZ axis CP | 250mm/sec | |
| Memory capacity | | 512MB above (Per MB100, 000points) | |
| positioning accuracy | | 0.01mm | |
| Repeat accuracy | | ±0.02mm | |
| weight | | 43kg | |
| Power supply | | 300W | |
| air pressure | | 4-5kg/c m2 | |
| Applicable tin wire range | | Φ0.3mm-Φ1.6mm | |
| Solder parameters | | 8 groups (spot welding 4 group, pull welding 3 group, cleaning group 1) | |
| Stable setting range | | 0-500℃ | |
| control precision | | ±1℃ | |

技术参数：

| | | | |
|--------------|---------|-----------------------|--|
| 机架（四轴联动机械手） | | 伺服马达驱动，嵌入式工业计算机控制 | |
| 型号：BFN F-620 | | 外形尺寸：510*500*620mm | |
| X、Y轴可移动范围 | | X=200mm Y=200mm | |
| Z、R轴可移动范围 | | Z=50mm R=360° | |
| | X、Y轴PTP | 500mm/sec | |
| | Z轴PTP | 250mm/sec | |
| | R轴PTP | 600°/sec | |
| | XY轴CP | 500mm/sec | |
| | XYZ轴CP | 250mm/sec | |
| 记忆容量 | | 512MB以上（每MB100, 000点） | |
| 定位精度 | | 0.01mm | |
| 重复精度 | | ±0.02mm | |
| 重量 | | 43kg | |
| 电源功率 | | 300W | |
| 空气压力 | | 4-5kg/c m2 | |
| 适用锡丝范围 | | Φ0.3mm-Φ1.6mm | |
| 焊锡参数 | | 8组（点焊4组，拉焊3组，清洗1组） | |
| 稳定设定范围 | | 0-500℃ | |
| 控制精度 | | ±1℃ | |

> LEAD-FREE SOLDERING STATION

BFN F-90/120/150 无铅焊台

Features:

- Digital calibration temperature, easy to operate.
- The use of high frequency eddy current heating, sensor front design.
- Lightweight, comfortable to use.
- Anti-static design, a variety of tip to choose from.
- Pluggable design, easy to replace.

产品特点：

- 数字化校准温度，操作方便。
- 采用高频涡流加热，传感器前置设计。
- 手柄轻巧，使用舒适。
- 防静电设计，多款烙铁头可供选择。
- 发热芯插拔式设计，更换方便。



TECHNICAL PARAMETERS :

| | |
|--------------------------------|---|
| power | 90W/120W/150W |
| The output voltage | AC36V, 400KHz |
| temperature range | 50℃~500℃(according to work mode design) |
| Tip to ground resistance | <2Ω |
| Tip to ground potential | <2mV |
| Maximum ambient temperature | 40℃ |
| Temperature stability | ±2℃ |
| Dimensions | 150 (L) *130 (W) *105 (H) mm |
| Weight (excluding power lines) | 3.5 kg |
| Auto Stand-by and Sleep Mode | optional |
| Password locking | optional |

技术参数：

| | |
|------------|------------------------------|
| 最大瞬间功率 | 90W/120W/150W |
| 输出电压 | AC36V, 400KHz |
| 温度范围 | 50℃~600℃ (根据工作模式设计) |
| 焊咀至接地电阻 | <2Ω |
| 焊咀至接地电势 | <2mV |
| 最大环境温度 | 40℃ |
| 温度稳定性 | ±2℃ |
| 外形尺寸 | 165 (L) *130 (W) *105 (H) mm |
| 重量 (不包括电线) | 3.5 kg |
| 自动休眠功能 | 可选 |
| 密码锁定功能 | 可选 |

> AUTOMATIC DELIVERY OF TIN LEAD-FREE SOLDERING STATION BFN F-375 自动送锡无铅焊台

Features:

- High-frequency eddy current heating, heating and warm-up speed, high-quality lead-free soldering, can be equipped with a variety of long life tip.
- Microcomputer control, large screen display, button-type thermostat, digital temperature correction, and with automatic sleep and automatic shutdown function;
- Automatic out of tin function, a tin speed, a tin volume, a tin interval can be adjusted;
- Can be made of two kinds of tin tube, easier and convenient to use, long hose for movable welding, short hose for fixed welding. Can be used alone as a lead-free soldering iron, can be configured
- with a foot switch or manual tin switch, universal adjustment mechanism to make the welding flexible and convenient.



OPTIONAL ACCESSORIES / 可选配件:



手柄



烙铁架



发热芯

产品特点：

- 高频涡流加热，升温及回温速度快，实现高品质无铅焊接，可配用多款长寿命烙铁头；
- 微电脑控制，超大屏幕显示，按键式调温，数字式温度校正，并设有自动休眠及自动关机功能；
- 全自动出锡功能，出锡速度、出锡量、出锡时间间隔均可调；
- 可配制两种出锡软管，使用更容易、方便、长软管适合活动式焊接，短软管适合固定式焊接；
- 可单独做无铅烙铁使用，可配置脚踏开关或手动出锡开关，万向调节机构，使焊接灵活方便。

SPECIFICATION :

| | |
|---|-----------------------------|
| Automatic delivery of tin lead-free soldering station | BFN F-375 |
| Operating Voltage | AC220V/50HZ |
| Operating temperature range | 200~500℃ |
| Maximum instantaneous power | 120W |
| Temperature stability (no load) | ±2℃ |
| Tip to ground resistance | <2Ω |
| Tip to ground potential | <2mV |
| Out of tin speed | ≈ 14mm/s~35mm/s |
| The amount of tin (automatic mode) | 0.5~123mm |
| Out of tin time interval | 0-3.5s |
| Tin wire diameter | 0.4、0.5、0.6、0.8、1.0、1.2、1.6 |
| Back to the amount of tin | 可调 |
| weight | 3.4 KG |
| Box size | 300*285*160mm |

产品规格：

| | |
|-----------|-----------------------------|
| 自动送锡无铅焊台 | BFN F-375 |
| 工作电压 | AC220V/50HZ |
| 使用温度范围 | 200~500℃ |
| 最大瞬时功率 | 120W |
| 温度稳定度(空载) | ±2℃ |
| 烙铁头对地电阻 | <2Ω |
| 烙铁头对地电势 | <2mV |
| 出锡速度 | ≈ 14mm/s~35mm/s |
| 出锡量(自动模式) | 0.5~123mm |
| 出锡时间间隔 | 0-3.5s |
| 锡丝直径 | 0.4、0.5、0.6、0.8、1.0、1.2、1.6 |
| 回锡量 | 可调 |
| 重量 | 3.4 KG |
| 包装盒尺寸 | 300*285*160mm |

> SOLDERING SMOKING INSTRUMENT

BFN F-493 吸烟仪

Features:

- Efficient and rapid elimination of toxic gases.
- The machine can adjust the angle of the smoke meter optionally, the movement is simple and convenient, the fan is low noise, and the service life is long.
- The filter is made of special urea foam plastic and refined with activated carbon, which has high absorption function.
- Ordinary and anti-static two types
- Smoking instrument clamp table is placed, more work space saving, more convenient adjustment.

产品介绍：

- 高效、快速消除有毒气体。
- 能随意调整吸烟仪角度，摆放移动简单方便，风扇低噪音，使用寿命长。
- 过滤片用特殊脲烷泡沫塑料配合精制活性炭制成，具有高度吸收功能。
- 普通和防静电两种类型。
- 吸烟仪夹台摆放，更节省工作空间，调节更方便随意。



TECHNICAL PARAMETERS :

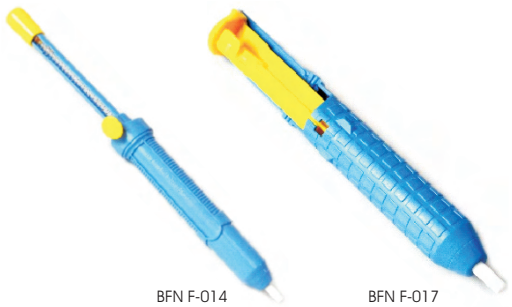
技术参数：

| | |
|----------------------|-------------------------|
| Consumption | 14 W |
| Inspiratory capacity | 1.0m3/min |
| Dimension | 167(L)*101(W)*182(H) mm |
| Weight | 1.5 KG |
| Spare parts | Filter1pc |

| | |
|------|------------------------|
| 功耗 | 14 W |
| 吸气容量 | 1.0m3/min |
| 外形尺寸 | 167(L)*101(W)*182(H)mm |
| 重量 | 1.5 KG |
| 配件 | 过滤片1块 |

> SUCTION TIN

BFN F-014 / BFN F-017 吸锡器



Features:

- Suction, suction fast.
- Rugged, small size and light, easy to operate.
- Replaceable spare suction nozzle.

产品特点：

- 超强吸力，吸锡速度快。
- 坚固耐用，体积小轻盈，操作方便。
- 可更换备用吸锡嘴。

> AUTOMATIC TIN MACHINE

BFN-376 自动破锡机



Features:

- Punch the tin wire.
- Can maintain the original state of tin wire help raw materials, that can eliminate the lead-free solder wire splashing at high temperature, but also to ensure that the original lead-free solder wire solder flow, excellent welding quality.
- Punctured in the tin wire hole, tin solder wire is not easy to reveal the material, to facilitate secondary winding after drilling.

产品特点：

- 在锡丝上点状打孔。
- 可以保持锡丝内助原料的原状，即能消除无铅锡丝在高温时的飞溅，还能保证无铅锡线原有的焊接流动性，焊接质量极佳。
- 在锡丝上点状打孔，锡丝内助焊料不易露出，方便打孔后二次卷绕。

TECHNICAL PARAMETERS :

技术参数：

| | |
|-------------------|-------------------------------|
| Input voltage | 110V/220V |
| Host power | DC24V 75mA |
| Dimensions | 76(L)*50(W)*96(H) |
| Send tin speed | 30mm/s |
| Tin wire diameter | 0.5/0.6/0.8/1.0/1.2/1.5/1.6mm |
| Weight | Approximately 590 g |

| | |
|------|-------------------------------|
| 输入电压 | 110V/220V |
| 主机电源 | DC24V 75mA |
| 外形尺寸 | 76(L)*50(W)*96(H) mm |
| 送锡速度 | 30mm/s |
| 锡丝直径 | 0.5/0.6/0.8/1.0/1.2/1.5/1.6mm |
| 重量 | 约590 g |

> COMPREHENSIVE MAINTENANCE STATION

综合维修台

BFN F-990

Features:

- The system is small in size and the welding handle is very light and can handle all kinds of welding. With the function of removing the chip, the maintenance work is more handy.
- Combo design, save space, and each function can be used independently.
- Visual control panel, adjustable air volume and temperature, suitable for removing all kinds of QFP, SOP, PLCC or SOJ and other chips.
- Built-in advanced microcomputer, digital adjustment/display system.
- Automatic protection of heating materials (using pulsed heating), can better maintain the heating element, handle and limelight to extend the service life of the machine.
- Anti-static design, particularly sensitive to sensitive components.
- Automatic cooling system to prevent overheating heating element.

产品特点：

- 系统体积小，焊接手柄特别轻巧，能应付各种焊接，加上拆除芯片功能，是维修工作更加得心应手。
- 二合一设计，节省工作空间，并且各功能均可独立使用。
- 可视化操作面板，可调节风量及温度，适合拆除各类QFP、SOP、PLCC或SOJ等芯片。
- 内置先进微型电脑，数码调节/显示系统。
- 发热材料的自动保护（采用脉冲式加热），能更好维护发热体、手柄和风口以延长机器使用寿命。
- 防静电设计，对敏感元件特别安全。
- 自动冷却系统，防止发热元件过热。



TECHNICAL PARAMETERS :

| | | | | | | | |
|-----------------------------|------|-----------------------------|------------------------|--------|----------|--------|------------------------|
| Total power consumption | 630W | Air gun length | 120cm | 整机功率消耗 | 630W | 风枪长度 | 120cm |
| The whole air device | Fan | Welding power consumption | 50W | 整机出风装置 | 风机 | 焊接功率消耗 | 50W |
| The whole air volume | 23L | Soldering temperature range | 200~480℃ | 整机风量 | 23L/Min | 焊接温度范围 | 200~480℃ |
| Total Weight | 3 kg | Welding handle length | 120cm | 整机重量 | 3 kg | 焊接手柄长度 | 120cm |
| Air gun power consumption | 580W | Box size | 273(L)*224(W)*115mm(H) | 风枪功率消耗 | 580W | 包装盒尺寸 | 273(L)*224(W)*115mm(H) |
| Air gun hot air temperature | 100~ | | | 风枪热风温度 | 100~500℃ | | |

技术参数：

> DIGITAL DISPLAY HIGH TEMPERATURE HOT AIR GUN

BFN F-7200/7300 数显高温热风枪



Features:

- For desoldering temperature requirements strictly, adjust the required temperature, such as maintenance of mobile phone (250~280℃), blowing BGA welding components, plastic card or other welding material in addition to softening, old paint or paint. (except paint by heating method cement paint, enamel, paint can not be mineral).
 - Heat shrinkable packaging film, bent plastic pipe.
 - Shrink polyethylene connected with metal removal, self-adhesive stickers and decorations.
 - Solve the rusted or tight metal nut and screw.
 - In the processing of grease or replace the old mill before the first softening
- Suitable for: high temperature hot air gun is suitable for Rongxi, thawing, paint removal, shrink tube heating, the utensils clean, turn hot, sticky liquid catalytic agent, shrink packaging, soft goods plastic, carpet sewing, garment industry to remove lint, heat and all quantitative fire heated to a high temperature, there are a variety of nozzle and accessories available, the output power is up to 2000W, the temperature reached 600 degrees, high efficiency and easy operation. The special temperature regulating system can be adjusted at different temperatures.

产品特点：

- 对于拆焊温度要求严格的工作，调节所需温度，如维修手机（250~280℃），吹焊BGA元件，塑料卡座或软化其它焊接物，除旧漆或涂油漆。（水泥漆、磁漆、矿物漆不能用加热法除漆）。
 - 热收缩包装膜，弯曲塑胶管。
 - 收缩连接金属用的聚乙烯稀物，去除自粘性贴纸及装饰。
 - 解决生锈或太紧的金属螺帽、螺丝。
 - 在处理油垢或更换旧磨粉前，可先行软化。
- * 适用于：高温热风枪适用于熔锡、解冻、除漆、收缩管加热、实验器皿清洁、液体转热、催化黏化剂、收缩包装、软货塑胶片、地毯缝接、制衣行业去除线头、定量出热及一切无火高温加热，有多款喷嘴及配件可供选择，输出功率高达2000W，温度达600度，效能高操作容易。特设调温系统，可随意调较不同温度。

TECHNICAL PARAMETERS :

| | | |
|--|-----------------------|-----------------------|
| Digital display high temperature hot air gun | BFN F-7200 | BFN F-7300 |
| Power consumption | 2000 W | 1600 W |
| Reference temperature | 50~630℃ | 60~600℃ |
| Air flow | 250L~500L/分钟 | 200L~450L/分钟 |
| Packing Dimension | 275(L)*272(W)*93(H)mm | 275(L)*272(W)*93(H)mm |
| Weight | 0.9 kg | 0.9 kg |
| Insulation grade | Ⅱ/Ⅱ | Ⅱ/Ⅱ |

技术参数：

| | | |
|---------|-----------------------|-----------------------|
| 数显高温热风枪 | BFN F-7200 | BFN F-7300 |
| 功率消耗 | 2000 W | 1600 W |
| 参考温度 | 50~630℃ | 60~600℃ |
| 气流量 | 250L~500L/分钟 | 200L~450L/分钟 |
| 包装盒尺寸 | 275(L)*272(W)*93(H)mm | 275(L)*272(W)*93(H)mm |
| 重量 | 0.9 kg | 0.9 kg |
| 绝缘等级 | Ⅱ/Ⅱ | Ⅱ/Ⅱ |

> PURIFIER FOR DUST

BFN F-660 SINGLE STATION/660B DOUBLESTATION

烟尘净化器 BFN F-660单工位 /660B双工位

Application:

- The control system uses PWM speed control, according to the amount of smoke to achieve continuous accurate adjustment of air volume, the model uses high-power brushless, long life, low noise fan, which can effectively smoke exhaust, and maximize the extension The service life of the filter. The purifier filter system consists of a pre-filter and a main filter. The pre- filter can adsorb larger particles in the air stream to prevent premature blockage of the main filter. The main filter consists of a HEPA high-efficiency filter and a gas filter HEPA filter efficiency of 99.99% on the particle size of 0.3 microns, the gas filter can effectively remove harmful gases in the gas stream.
- Soot purification machine to facilitate the installation, the exhaust gas treated by the smoke purification machine, the testing by the state authority to achieve indoor air emission standards, and improve the indoor air quality requirements.



Features:

- The fuselage structure of integrated design; high-quality sheet metal baking process; high strength, impact resistance.
- With the access, easy to install, easy to learn.
- Equipped with intelligent control panel, easy to operate, digital display, real-time operating status control.
- Push-button stepless speed regulation, air volume can be adjusted.
- Equipped with remote control, remote control operation.
- Really effective and effective "filter plugging alarm system" - When the filter saturated blockage automatically emits sound and light alarm within 10 seconds, prompts the user to replace the filter, to avoid unnecessary wear and tear.
- Lower cost, smoother, longer-lasting, higher-maintenance filtration systems than "duct smoke systems" - Avoiding indoor air-conditioning (Or heating) discharged to the outdoors, and to maintain the cleanliness of indoor air, energy conservation, purification of the environment.
- High-pressure high-flow centrifugal fan - low noise, small vibration, stable operation, long life, low power consumption, high efficiency (brushless DC motor zero maintenance, zero supplies).
- Specially designed alloy eddy current wind wheel, fatigue resistance, stable operation, low noise, large air volume, high efficiency.
- Multi-stage filter design to ensure that the harmful substances in the smoke filter thoroughly, primary effect, efficiency and the main filter can be replaced independently, this form of design not only extends the life of the filter, but also greatly reduce the cost of filter .
- Smoking duct, good fixation, with the use of random, can be changed, positioning, the length of the control of the convenient pipe without the need to lay a separate smoking pipe.
- Smoking hood - made of high quality silicone rubber, can block a certain air flow, to avoid the impact of airflow on the smoking effect, and can withstand the iron 400 ℃ high temperature without damage.

TECHNICAL PARAMETERS / 技术参数 :

| Model 机型 | Air inlet interface 进风接口 | Input voltage 输入电压 | Input power 输入功率 | Filter effects 过滤效果 | Noise 噪音 | pipe range 吸烟管长 | Dimension 外形尺寸 | Weight 重量 |
|-------------|-----------------------------|-----------------------|---------------------|------------------------|-------------|--------------------|-------------------|--------------|
| BFN F-660 | Φ75mm | AC110V-220V | 80W | 0.3 μm 99.97% | <55dB | 1.4 M | 420*245*400 | 12 KG |
| BFN F-660B | Φ75mm*2 | AC110V-220V | 200W | 0.3 μm 99.97% | <60dB | 1.4 M | 420*245*400 | 13 KG |

产品介绍 :

- 控制系统采用PWM调速, 可根据烟雾产生量实现对风量的连续精确调节, 该机型采用大功率无刷, 寿命长, 低噪音风机, 能有效的吸取烟雾废气, 并最大限度的延长滤芯的使用寿命. 净化仪的过滤系统由预过滤器和主过滤器两部分组成, 预过滤器能够吸附气流中比较大的粒子来避免主过滤器过早被堵塞, 主过滤器由HEPA高效过滤芯和气体滤芯组成, HEPA高效过滤芯对0.3微米的微粒的过滤效率面积为99.99%, 气体滤芯能有效的去除气流中的有害气体.
- 烟尘净化机方便安装, 经烟尘净化机处理过的废气, 经国家权威部门检测达到室内空气排放标准, 和改善室内空气品质的要求。

产品特点 :

- 机身结构一体化设计; 优质钣金烤漆工艺; 高强度、抗冲击性好。
- 随接随用, 安装方便简单, 操作简单易学。
- 配用智能控制面板, 操作简便, 数码显示, 运行状态实时掌握。
- 按键式无级调速, 风量可随意调节。
- 配有遥控器, 可远程遥控操作。
- 真正灵敏有效的“滤芯堵塞报警系统”——当滤芯饱和堵塞时10秒钟内自动发出声光报警, 提示用户更换滤芯, 避免不必要的耗损。
- 比“管道式排烟系统”使用成本更低, 抽烟效果更好、时效更长、保值率更高的过滤系统——避免将室内冷气(或暖气)排到室外, 并能保持室内空气的洁净度, 节约能源, 净化环境。
- 高压大流量离心风机——噪音低、振动小、运行稳定、寿命超长、耗电低、效率高(直流无刷电机零保养、零耗材)。
- 特殊设计的合金涡流风轮, 耐疲劳、运转平稳、噪音低、风量大、效率高。
- 多级过滤设计确保烟雾中的有害物质过滤彻底, 初效、中效和主过滤芯均可独立更换, 这种形式的设计不仅延长了滤芯的使用寿命、而且大大降低了滤芯的使用成本。
- 吸烟风管, 固定性好, 随接随用, 能随意变向、定位、管道的长短控制便捷, 无须另外铺设吸烟管道。
- 吸烟罩——采用优质的硅橡胶制造, 能阻挡一定的气流, 避免气流对吸烟效果的影响, 并且可以抵御熔铁400℃的高温而不损坏。

> THERMOMETER

BFNF-191 温度计

Features:

- With CA sensor accurately and quickly determine the tip temperature.
- Clear digital display.
- Special alloy coating, the sensor can resist corrosion and oxidation.
- Sensor easy to replace.

产品特点 :

- 以CA传感器准确快捷测定焊咀温度。
- 清晰数字显示。
- 特殊合金镀层, 使传感器能抵御腐蚀及氧化。
- 传感器容易更换。



TECHNICAL INFORMATION :

| | |
|---------------------|----------------------------|
| Thermometer model | BFN F-191 |
| Resolution | 1℃ |
| Measuring range | 0~600℃ |
| Accuracy | ±3℃ (300~600℃) |
| Sensor | K (CA) Thermocouple |
| Display | 3.5 Bit LCD digits |
| Power supply | DC9V Dry battery |
| Battery | > 150 h |
| Weight | 0.8 KG |
| Ambient temperature | 0~40℃, 20~80%RH |
| Box size | 191 (L) *90 (W) *50 (H) mm |

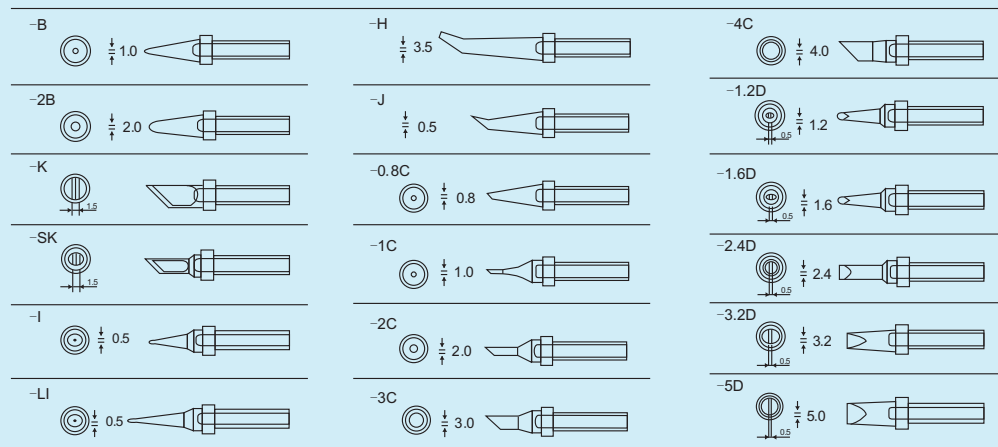
产品参数 :

| | |
|-------|----------------------------|
| 温度计型号 | BFN F-191 |
| 分辨率 | 1℃ |
| 测量范围 | 0~600℃ |
| 精确度 | ±3℃ (在300~600℃之间) |
| 传感器 | K (CA) 热电偶 |
| 显示 | 3.5位液晶数字 |
| 电源 | DC9V干电池 |
| 电池寿命 | > 150小时 |
| 重量 | 0.8 KG |
| 环境温度 | 0~40℃, 20~80%RH相对湿度 |
| 包装盒尺寸 | 191 (L) *90 (W) *50 (H) mm |

> REPLACEABLE LEAD-FREE IRON HEAD

BFN F200 可替换烙铁头

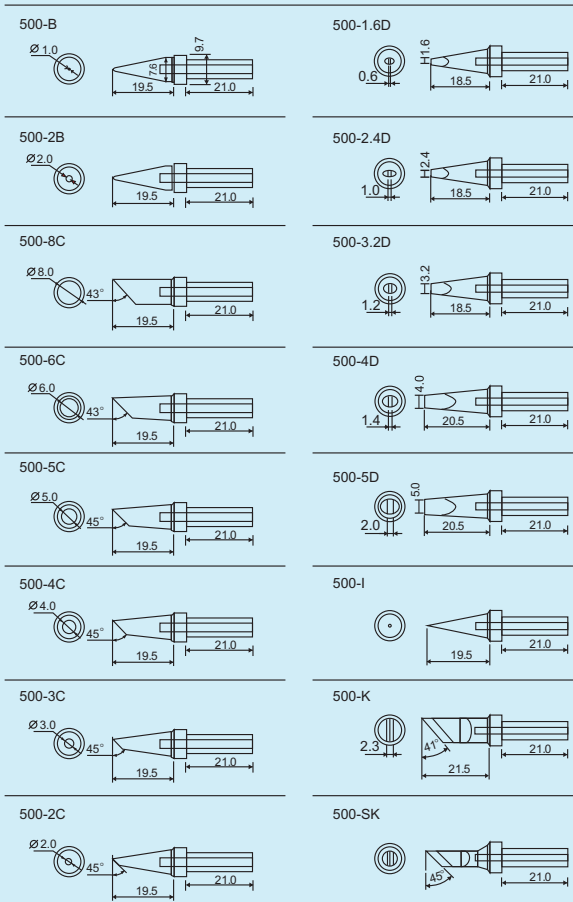
200系列无铅烙铁咀



> REPLACEABLE LEAD-FREE IRON HEAD

BFN F500 可替换烙铁头

500系列无铅烙铁咀



> REPLACEABLE LEAD-FREE IRON HEAD

BFN F900 可替换烙铁头

900M系列无铅烙铁咀

