



Smartcell-400



MIS-300/450

## 产品描述 Practical Device Hardware

### 焊接自动化 Welding automation

- 双面板元件的焊接实现完全自动化。
- The welding of double-sided panel components is fully automated.

### 波峰喷口 Crest spout

- 波峰喷口移动速度可调，喷头定位精准，在机监控波峰高度及自动校正功能。
- The movement speed of the wave peak nozzle is adjustable, the nozzle positioning is accurate, and the wave peak height and self frequency correction function are monitored on the machine.

### 软件升级 Software upgrade

- 无需任何PCB数据，依旧可快速导入数据，且图形编程简单、高效采用选择性喷雾，多种算法相结合，精确控制喷雾过程，保证PCB的清洁，大幅度降低助焊剂的耗量；
- 可离机式编程/Gerber文件导入。
- Without any PCB data, data can still be quickly imported, and the graphic programming is simple and efficient. Selective spray is used. Multiple algorithms are combined to accurately control the spray process, ensure the cleanness of PCB, and greatly reduce the consumption of flux;
- Offline programming/Gerber file import is possible.

### 红外线加热 Infrared heating

- 分上下独立控温，采用红外线加热以提高加热效率及温度的均匀性。
- Separate upper and lower temperature control, using infrared heating to improve heating efficiency and temperature uniformity.

### CCD可视 CCD visibility

- 焊接过程CCD可视，全程质量跟踪。
- The welding process is visible with CCD, and the whole process quality is tracked.

## 迷你选择焊参数 Mini-Selective Soldering Parameters

| 型号        | Model                          | Smartcell-400                              | MIS-300         | MIS-450                                    |
|-----------|--------------------------------|--|-----------------|--|
| 外形尺寸      | Dimension (L×W×H)              | 1650×1800×1650mm                           | 800×1400×1400mm | 1000×1550×1400mm                           |
| PCB 宽度    | PCB Width                      | 60-400 mm                                  | 60-300 mm       | 60-450 mm                                  |
| PCB 长度    | PCB Length                     | 120-400 mm                                 | 120-330 mm      | 120-530 mm                                 |
| PCB顶部空间   | PCB Top Side Clearance         | Max.120 mm                                 |                 |  |
| PCB底部空间   | PCB Bottom Side Clearance      | Min.50 mm                                  | Min.30 mm       |  |
| PCB工艺边尺寸  | PCB Edge Clearance             | 4 mm                                       |                 |  |
| PCB运输高度   | Conveyor Height                | 900±20                                     |                 |  |
| PCB运输速度   | Conveying speed                | 0.2-10M/min                                |                 |  |
| 托盘/PCB重量  | Pallet/PCB weight              | Max:5kg                                    |                 |  |
| 助焊剂储存罐    | Flux Capacity                  | 2L   |                 |  |
| 喷雾喷头管口大小  | The Size of Flux Nozzle Tube   | 130μm(双喷雾头选配)<br>(Double Nozzle is option) | 130μm           | 130μm(双喷雾头选配)<br>(Double Nozzle is option) |
| 喷涂宽度      | Flux Width                     | 2-8mm                                      |                 |  |
| 底部动态红外加热器 | Bottom Dynamic Infrared Heater | Max:9KW                                    | —               |  |
| 温度范围      | Temperature Range              | 室温 R T~250°C                               | —               |  |
| 顶部热风加热器   | Top Air Heater                 | Max:6KW                                    | —               |  |
| 控精度       | Temp. Control Accuracy         | ±5°C                                       | —               |  |
| 最小喷嘴直径    | Min Diameter of Solder Nozzle  | φ2.5/4                                     |                 |  |
| 波峰高度      | Wave Height                    | Max.5mm                                    |                 |  |
| 锡炉容量      | Solder Pot Capacity            | 8KG/pot                                    |                 |  |
| 焊接温度      | Soldering Temperature          | Max:350°C                                  |                 |  |
| 加热时间      | Heating Time                   | 40min / ( 300°C )                          |                 |  |
| 锡炉加热功率    | Pot Heating Power              | 1KW / 单缸 Single pot                        |                 |  |
| 定位速度      | Location Speed                 | X / Y : 2-200mm/s Z : 2-50mm/s             |                 |  |
| 焊接精度      | Soldering Accuracy             | ±0.5mm                                     |                 |  |
| PC操作系统    | PC Operating System            | Windows 10                                 |                 |  |
| 远程可视化     | Process Visualization          | CCD 可视 Visual                              |                 |  |
| 软件语言      | Software Language              | 中英文可切换 Chinese and English Changeable      |                 |  |
| 数据导入      | Data Import                    | Gerber、图像导入 Image Import                   |                 |  |
| 编程方式      | Programming Mode               | 在线/离线编程 Inline/Offline Programming         |                 |  |
| 电源&频率     | Power Supply                   | AC,380V 3φ5W 50/60Hz                       |                 |  |
| 总功耗       | Consumption                    | 22KW                                       | 4.5KW           |  |
| 排风管直径     | Air Duct Diameter              | φ200mm                                     |                 | φ150mm                                     |
| 排风管排风量    | Exhaust Air Rate               | 360 M³ / h                                 |                 |  |
| 所需压力      | Pressure                       | 0.4-0.8 Mpa                                |                 |  |
| 氮气消耗量     | N2 Consumption                 | 每个锡缸消耗约 Each onsumes about 1.5~2 M³ / h    |                 |  |
| N2浓度      | Concentration                  | ≥99.999%                                   |                 |  |

备注:参数若有更改,恕不另行通知! The above contents are subject to change without further notice!