

## Specification

**Name: COF Flex Cable Bonding Machine**

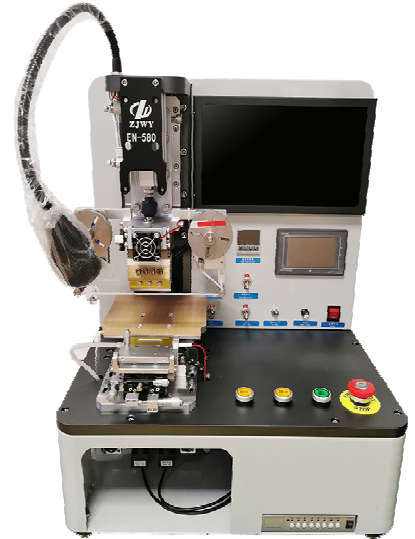
**Model: EN-580**

### 1. Structure:

|               |                                                            |
|---------------|------------------------------------------------------------|
| Material      | Aluminum, anodic hardening flatness: $\pm 0.02\text{mm}$ . |
| size          | 550mm*500mm*650mm                                          |
| Voltage       | AC220V 50/60Hz                                             |
| Air source    | 0.4-0.6Mpa,                                                |
| Power         | 800W                                                       |
| Heater size   | 56mm*1.5mm/64mm*0.6mm (customizable)                       |
| Precision     | $\pm 3 \mu\text{m}$                                        |
| Net weight    | $\approx 55\text{KG}$                                      |
| Platform size | 180mm*170mm                                                |
| Suit product  | 2.4-7.0 inch                                               |

### 2. System configuration:

|                            | Name                               | Description                                    | Remarks                           |
|----------------------------|------------------------------------|------------------------------------------------|-----------------------------------|
| Control system             | 4.3inch touch screen               | Mode switch, parameter setting, system control |                                   |
| Temperature control system | constant                           | 30-400°C, settings                             |                                   |
|                            | Omron                              | high speed PID control                         | temperature $\pm 2^\circ\text{C}$ |
|                            | SSR                                |                                                |                                   |
|                            | MISUMI                             | thermal insulation                             |                                   |
|                            | Heater                             | 56.0*1.5/64*0.6                                | wolfram/ceramic                   |
| Vision system              | Method                             | down cameras                                   |                                   |
|                            | high pixel CCD                     | colorful                                       | two channels                      |
|                            | lens                               | HD and magnificent                             |                                   |
|                            | video segmentation                 |                                                | four channels                     |
|                            | high brightness LED back light     |                                                |                                   |
|                            | LED base light, brightness control |                                                |                                   |
|                            | adjust                             | X/Y/Z                                          | micrometer                        |
|                            | IPS LCD monitor                    | 13.3inch                                       |                                   |
|                            | Top cameras                        | Alternate configuration                        |                                   |
| Pressure control           | Pressure                           | high precision                                 | SMC                               |
|                            | Digital display                    | high precision                                 | SMC                               |
| Regulate                   | LCD fixed                          | vacuum                                         | pump                              |
|                            | LCD regulate                       | Z                                              | micrometer                        |
|                            | COF fixed                          | vacuum                                         | pump                              |
|                            | COF regulate                       | X-Y-0-Z                                        | micrometer                        |
| Actuate                    | Heater cylinder                    | low friction                                   | SMC                               |
|                            | linear control                     | linear guideway                                | HIWIN                             |
|                            | Air-operated                       | solenoid                                       | CKT                               |
|                            | Tape                               | automatic                                      | FREQ/length set                   |
|                            | flatness                           | manual                                         |                                   |
| Safe                       | leakage                            | 32A                                            |                                   |
|                            | 15A fuse                           |                                                |                                   |
|                            | emergency                          |                                                |                                   |



## 设备规格书

**设备名称：COF邦定机（台式）**

**设备型号：EN-580**

### 一. 结构. 规格:

|        |                                       |
|--------|---------------------------------------|
| 机身材料   | 进口铝材, 平整度: $\pm 0.02\text{mm}$ , 阳极硬化 |
| 机身尺寸   | 550mm*500mm*650mm                     |
| 工作电源   | AC220V 50/60Hz                        |
| 工作气源   | 0.4-0.6Mpa,                           |
| 设备功率   | 800W                                  |
| 压头尺寸   | 56mm*1.5mm/64mm*0.6mm (可选/可定制)        |
| 热压精度   | $\pm 3\ \mu\text{m}$                  |
| 设备重量   | $\approx 55\text{KG}$                 |
| 工作平台尺寸 | 180mm*170mm                           |
| 适合产品尺寸 | 2.4-7.0inch                           |

### 二. 系统配置:

|      | 名称         | 描述                | 备注                         |
|------|------------|-------------------|----------------------------|
| 控制系统 | 4.3智能一体触摸屏 | 模式切换, 参数设置, 系统控制  |                            |
| 温控系统 | 恒温加热方式     | 30-400℃可设         |                            |
|      | 欧姆龙温控器     | 高速PID运算控制         | 温度偏差 $\pm 2^\circ\text{C}$ |
|      | 高速固态继电器    |                   |                            |
|      | 米思米高温隔热块   |                   |                            |
|      | 钨钢/陶瓷压头    | 54.0*1.6/60.8*0.6 | 可选/可定制                     |
| 对位系统 | 对位方式       | 下对位               |                            |
|      | 高分辨率CCD    | 彩色                | 两路                         |
|      | 大倍数高清镜头    | 焦距固定              | 两路                         |
|      | 视频分割       |                   | 四路                         |
|      | 高亮LED背景光源  |                   |                            |
|      | LED底光源     | 亮度可调节             |                            |
|      | 镜头位置调节     | X/Y/Z轴直线模组        | 千分尺调节                      |
|      | 高清液晶显示器    | 13.3inch          |                            |
|      | 上对位        | 可选配               |                            |
|      | 视频切换       | 可选配               |                            |
| 压力控制 | SMC精密调压阀   | 压力精密控制            |                            |
|      | SMC数显压力表   | 压力精准读数            |                            |
| 调节机构 | LCD固定      | 真空吸附              |                            |
|      | LCD平台调节    | Z轴: 直线模组          | 千分尺调节                      |
|      | COF固定      | 真空吸附              | 独立真空泵                      |
|      | COF平台调节    | X-Y-θ-Z直线模组调节     | 千分尺调节                      |
| 执行机构 | 压头气缸       | SMC低摩擦气缸          |                            |
|      | 线性运动控制     | HIWIN精密直线导轨       |                            |
|      | 气动元件       | CKT电磁阀            |                            |
|      | Tape走带     | 自动                | 频率/长度可设置                   |
|      | 压头水平调节     | 手动                |                            |
| 安全机构 | 漏电保护器      | 32A               |                            |
|      | 15A保险管     |                   |                            |
|      | 紧急停止       |                   |                            |

