

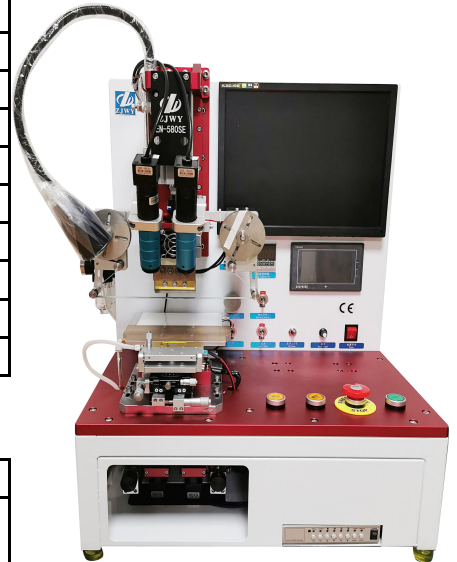
## Specification

**Name: COF Flex Cable Bonding Machine**

**Model: EN-580SE**

### 1. Structure:

|               |                                                            |
|---------------|------------------------------------------------------------|
| Material      | Aluminum, anodic hardening flatness: $\pm 0.02\text{mm}$ . |
| size          | 520mm*500mm*660mm                                          |
| 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    | $\approx 53\text{KG}$                                      |
| 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                             | Up+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                    | 14inch                                         |                                   |
| Pressure control           | Red laser indicator                |                                                |                                   |
|                            | Pressure                           | high precision                                 | SMC                               |
| Regulate                   | Digital display                    | high precision                                 | SMC                               |
|                            | LCD fixed                          | vacuum                                         | pump                              |
|                            | LCD regulate                       | Z                                              | micrometer                        |
|                            | COF fixed                          | vacuum                                         | pump                              |
| Actuate                    | COF regulate                       | X-Y-θ-Z                                        | micrometer                        |
|                            | Heater cylinder                    | low friction                                   | SMC                               |
|                            | linear control                     | linear guideway                                | PMI                               |
|                            | Air-operated                       | solenoid                                       | CKT                               |
|                            | Tape                               | automatic                                      | FREQ/length set                   |
| Safe                       | flatness                           | manual                                         |                                   |
|                            | leakage                            | 32A                                            |                                   |
|                            | 15A fuse                           |                                                |                                   |
|                            | emergency                          |                                                |                                   |