

PRODUCT INTRODUCTION



德芮達科技股份有限公司
DETEKT Technology Inc. Additive Manufacturing Expert

ADJ quick-release piezoelectric jet valve

On the basis of maintaining excellent fluid injection performance, a quick-release structure design is adopted, which fully considers the needs of rapid recovery after cleaning
The ability to return to operational status in a very short time reduces the difficulty of maintenance.

Minimum spit volume 0.5nl The narrowest line 0.2mm

High stability, error can be controlled at $\pm 2\%$.

It can spray fluids with viscosity range of 0-200,000cps

- Quick-detach structural design allows the machine to quickly return to working condition after cleaning, making maintenance, disassembly and cleaning more convenient.
- Modular design, suitable for different types of fluids such as UV/anaerobic/hot melt/ink/solder paste/silver paste etc.
- It can be used with stand-alone machine or automatic line for high-speed continuous production
- High stability, excellent product quality consistency
- Excellent scatter control ability, Smooth trapezoidal wave control technology, The dispersion rate of the water spray was $<0.5\%$, and the air bubbles were well controlled
- Temperature detection, the temperature of the core components is exceeded 65°C alarm
- Maintenance reminders, core component maintenance tips to ensure that the dispensing valve is in good condition
Working condition nozzle calibration function, quickly return to the operating state



Fields of application

Speaker/Receiver

MEMS

microphones

wireless

headphones

Camera module

Micro motors

lens

LCD/TFT/OLED/LCM

Mobile phone assembly/watch

assembly New energy batteries

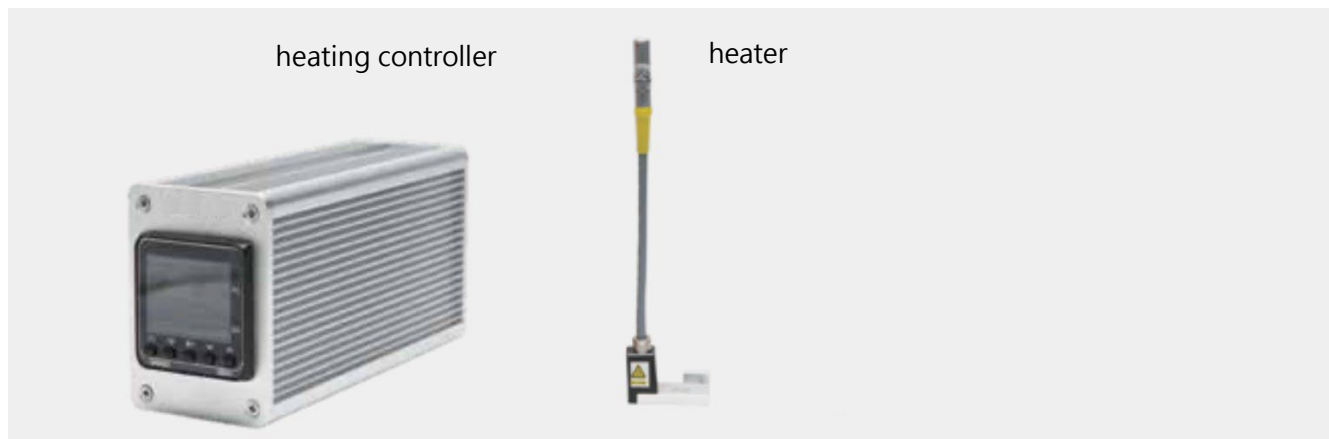


德芮達科技股份有限公司

DETEKT Technology Inc. Additive Manufacturing Expert

Standard configuration

| | |
|---|---|
| Anaerobic adhesive equipped with a runner | Standard runners |
| Piezoelectric jet valves | The hot melt adhesive is equipped with a runner |
| Piezoelectric injection controller | Heating controllers |
| Standard valve includes (UV glue/thermosetting glue, epoxy resin, red glue, water glue, etc.) | Rubber bucket heater |
| | heater |



| | |
|---|------------------------|
| AC power input for the heating controller | AC 220V±20% |
| Heating controller temperature control accuracy | ±2°C |
| Heating controller temperature heating range | Room temperature~200°C |
| Heater Controller Controller Weight | 0.5kg |
| Heating controller controller dimensions | 60×82×160mm |
| Heater power | 40W |
| Drum heater power | 120W |

Specifications

| Model | Piezoelectric jet valves | Model | Piezoelectric injection controller |
|------------------------------------|---|--------------------------------------|------------------------------------|
| Supply pressure range | 0.1~7 kg/cm ² | Pulse parameters and resolution (ms) | 0.01ms~1000.00ms, 0.01ms |
| Viscosity of spray medium (mpas) | Medium or high viscosity media up to 200,000 | Dispensing frequency | 1~1000HZ |
| Maximum spray frequency(Hz) | 1000 | Parameter and memory display | TFT color screen |
| Corrosion resistance | All aqueous media, organic solvents, weak acids and bases | Parameter memory | 10 groups |
| Overall dimensions (mm) | 400 (With runner assembly) | Reserved communication interface | Support RS232\RS485 |
| Working indexing range (°C) | 123×75×15 (Including runner assembly) | Host weight | 4 (kg) |
| | 10~50 | Overall dimensions (mm) | 270×160×220 |
| | | AC power input | AC 220V±20% |
| | | Power (W) | 150 |





| | |
|---------------------------------|---|
| Models | SS-551 |
| Working Range X/Y/Z(mm) | 500mm x 500mm x 100mm |
| Working Platform size | 250mm x 250mm |
| Load Y-AXIS / Z-AXIS | 10 kg / 5 kg |
| X&Y / Z (mm/sec) | 0.1~500 / 0.1~300 |
| Resolution | 0.001 mm/Axis |
| Repetitive Positioning Accuracy | +/- 0.02 mm/ Axis |
| Program Capacity | PC memory |
| Data Storage Type | 512 MB EmbedDisk |
| Program Display | Teach Pendant LCD |
| Mechanical structure | Aluminum alloy |
| Transmission X&Y / Z (mm/sec) | X, Y, Z Ball screw |
| Motor System | High-resolution servo motor |
| Control Method | PTP & CP |
| CCD Camera | 2 megapixel |
| Interpolation Function | 3 axis(3D Any path in three-dimensional space can be used |
| Programming Method | PC |
| I/O Signals Port | 16 Inputs / 16 Outputs |
| External Control Interface | RS232 |
| Power Supply | 220V, 300W |
| Working Temperature | 0 – 40 °C |
| Working Relative Humidity | 20 – 90% no condensation |
| Dimensions (WxDxH mm) | 585 x 600 x 600mm |
| Robot Weight (kg) | 60Kg |

www.detekt.com.tw

info@detekt.com.tw

TEL:886 02 2267-3158



德芮達科技股份有限公司
DETEKT Technology Inc. Additive Manufacturing Expert

Space required for equipment
Width: 100CM
Deep: 130CM
High : 100CM
Screen, keyboard and mouse not
included

Camera

Laser height sensor

