

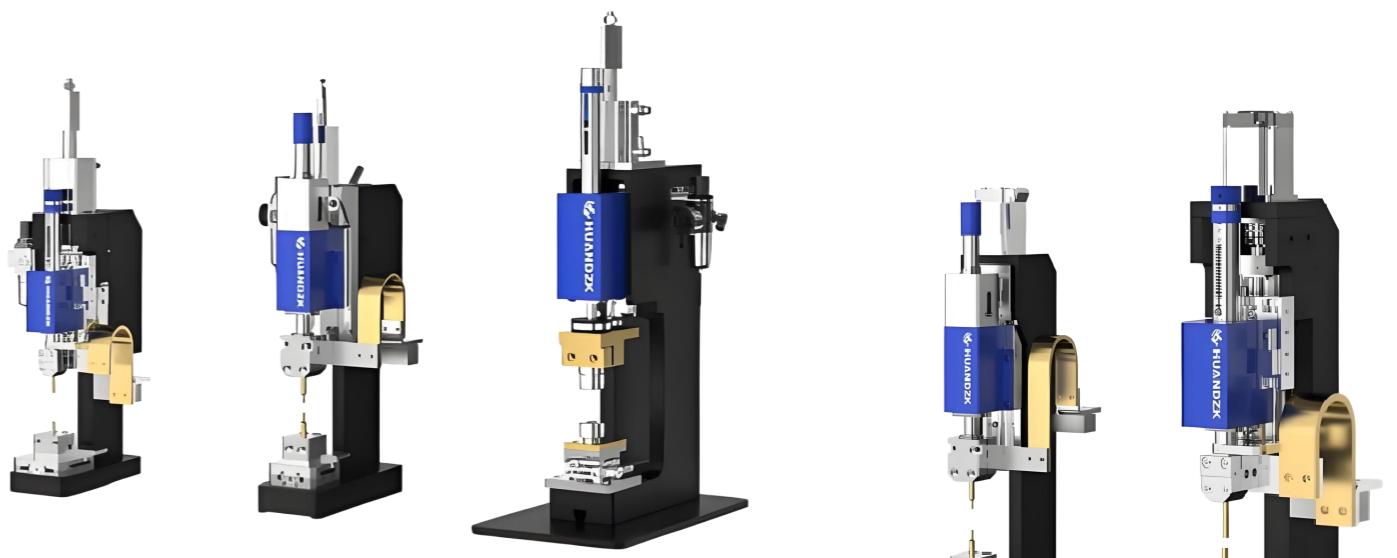
## 25 Pneumatic Or Servo Spot Welding Mechanism

### Product Features //

- HD-DHQ series pneumatic spot welding mechanism has the characteristics of high precision, flexible pressurization, good stability and long service life.
- The linear guide design is used to ensure the accuracy and repeatability of welding.
- The pressure following mechanism is adopted, which can achieve rapid and accurate pressurization operation even at very low welding pressure.
- Support micro trigger switch or photoelectric switch to stabilize the triggering of welding power supply and improve quality and productivity.
- The vertical integration design ensures the stability of the pressure point and solves the shaking problem of the sensor grip design.
- The pressurizing mechanism is easy to disassemble, which is beneficial for integration of automated equipment.
- Supports optional pressure sensor, combined with HUANDZK welding power supply, it can monitor the consistency of welding pressure, or set it to start discharging when the pressure reaches a certain level, ensuring that the pressure of each welding is stable and consistent.
- Supports optional displacement sensor, combined with the HUANDZK welding power supply displacement monitoring power-off function, to ensure that the penetration depth of each welder is consistent.
- HD-DHS series servo spot welding mechanism adopts a vertically integrated design to ensure the stability of the pressure point, solve the shaking problem of the sensor grip design, and use fully imported brand mechanical accessories. To ensure its excellent dynamic response capability, as well as high precision, high rigidity, flexible pressurization, high stability, and long service life.
- Can be paired with H-100 head controller to achieve adjustable speed, adjustable standby point, high-precision pressure control adjustment, pressure triggering, pressure monitoring, displacement monitoring, melt depth control and other functions.

### Technical Parameters //

Model	HD-DHQ	HD-DHS	
Drive method	pneumatic	Servo	
Pressure method	Pneumatic + spring	Servo + spring	
Pressure range	10-110N/15-200N	20-300N/40-500N	80-1200N
Electrode travel	Customization		
Electrode size	Standard 6-12MM,Customization		
Pressure sensor	0-10V analog output (optional)		
Displacement sensor	0-10V analog output (optional)		
Weight	≈12KG	≈27KG	≈40KG



HD-DHQ series pneumatic spot welding mechanism

HD-DHS series servo spot welding mechanism