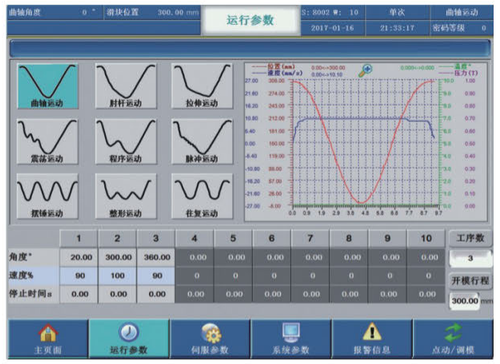
H-FRAME SINGLE CRANK SERVO PRESSES

Performance Features

QIAOSEN mechanical servo press machine: STD-sv series are H-frame single crank servo type, it's feature advance forming technologies to create value for customers by combining reliable engineering and Servo Drive technology. User-friendly HMI with large color 15.6 inches touch screen provides easy operation to choose suitable slide motion profiles to improve productivity.
Servo press machine are Servo-drive system. Built in with 9 motion curve processing modes (and can be programmed according to the processing technology of different products to achieve more motion curves), compared to ordinary press machines, it has a simple structure, high mechanical transmission efficiency, and lower maintenance costs. Forged 42CrMo alloy material crankshaft, precision-machined gears and other drive train components are designed for smooth power transmission, quiet operation and long life.



Built In 9 Types Of Slider Motion Curves

- Heavy one-piece steel frame, minimizing deflection, high accuracy.
- High strength body structure, small deformation and high precision
- 8-points slide guiding, and the sliding block guide rail adopts "high-frequency quenching" and "rail grinding process": low wear, high precision, long precision holding time, and improves the service life of the mold.
- The crankshaft is made of high-strength alloy material 42CrMo. Its strength is 1.3 times that of 45 steel and its service life is longer.
- The copper sleeve is made of tin phosphor bronze ZQSn10-1, and its strength is 1.5 times that of ordinary BC6 brass.
- The use of highly sensitive hydraulic overload protection device can effectively protect the service life of the presses and die.
- Forced thin re-circulating oil lubrication device, energy-saving, environmentally friendly, equipped with automatic alarm function, with better smoothness and heat dissipation, and better lubrication effect.
- The standard configuration is high-precision bearing and Japanese NOK seal.
- 15.6 inch touch screen
- Optional Die Cushion.

Performance Features 2

- 9 processing modes are built-in, and each product can select the processing curve most suitable for component processing, So as to achieve high precision, high efficiency and high energy conservation.
- Compared with traditional presses, it has simple structure, high mechanical transmission efficiency and low maintenance cost.
- According to the characteristics of products/materials, the stamping forming speed can be reduced during the material processing to achieve the best forming speed of products/materials. Thus reducing vibration and stamping noise; Improve product accuracy and extend the service life of the mold.
- According to different products, different heights are required. The stroke of the punch can be set arbitrarily, which greatly shortens the stamping time and improves the efficient.

Standard Configuration

> Hydraulic overload protection device
> Servo Motor (Speed Adjustable)
> Electric slider adjusting device
> Independent control cabinet
> Prejudging counter
> Digital die height indicator
> Slider and stamping tools balance device
> Rotating cam controller
> Crankshaft angle indicator
> Electromagnetic counter
> Air source connector
> Second degree falling protecting device
> Air blowing device
> Mechanical shockproof feet
> Mis-feeding detection device reserved interface
> Maintenance tools and toolbox
> Main motor reversing device
> Light Curtain (Safety Guarding)
> Power outlet
> Re-Circulating Oil lubrication
> Touch screen (pre-break, pre-load)
> Movable two-handed operating console
> LED die lighting
> Air cooled chiller

Optional Configuration

> Customization Per Customer Requirement
> Die Cushion
> Turnkey System with Coil Feedline and Automation System
> Quick Die Change System
> Slide knock out device
> Safety Die Door
> Electric grease lubrication device
> Anti-Vibration Isolator
> Tonnage Monitor

Technical Parameters

Specifications	Unit	STD-110sv	STD-160sv	STD-200sv	STD-250sv	STD-300sv	STD-400sv	STD-500sv	STD-600sv	STD-800sv
Press capacity	Ton	110	160	200	250	300	400	500	600	800
Rated tonnage point	mm	5	5	5	6	6	6	7	8	9
Slider strokes per minute (S.P.M) (Swing mode)	mm	~100	~100	~100	~75	~70	~70	~70	~70	~60
Slider strokes per minute (S.P.M) (Full stroke)	mm	~60	~60	~60	~50	~40	~40	~40	~40	~35
Max die height	mm	450	450	450	500	550	600	650	650	650
Slider adjustment amount	mm	100	100	150	150	150	150	150	150	150
Slide size	mm	750*700	750*700	750*700	800*800	900*900	1000*900	1200*1000	1200*1000	1400*1400
Bolster platform size	mm	750*800	850*800	900*800	1000*900	1100*1000	1200*1000	1400*1000	1400*1000	1600*1400
Side opening	mm	700*500	700*500	700*500	800*600	900*600	900*650	900*650	900*650	900*700
Servo motor torque	Nm	4500	7500	12000	15000	21000	28000	37000	46000	65000
Air pressure	kg*cm²	6	6	6	6	6	6	6	6	6
Press accuracy grade	Grade	JIS 1	JIS 1	JIS 1	JIS 1	JIS 1	JIS 1	JIS 1	JIS 1	JIS 1