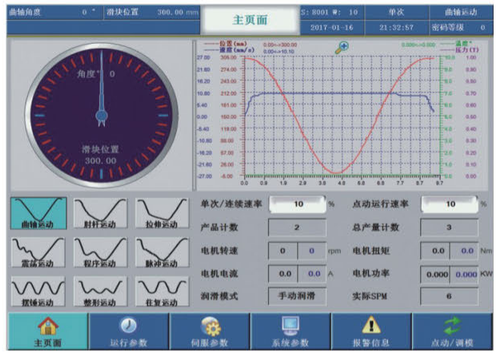
Performance Features

QIAOSEN mechanical servo press machine: STE-sv series are H-frame double crank 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	STE-160sv	STE-200sv	STE-250sv	STE-300sv	STE-400sv	STE-500sv	STE-600sv	STE-800sv
Capacity	Ton	160	200	250	300	400	500	600	800
Rated tonnage point	mm	5	5	5.5	5.5	6	7	8	9
Slider strokes per minute (S.P.M)	Swing mode	~100	~100	~75	~70	~60	~60	~60	~50
Slider strokes per minute (S.P.M)	Full stroke	~55	~45	~40	~40	~30	~30	~30	~25
Slider stroke length	mm	200	200	250	300	300	300	300	350
Max mold height	mm	450	500	550	550	550	600	600	800
Slider adjustment amount	mm	100	120	120	120	120	150	150	200
Up platform size	mm	1600*650	1850*750	2100*900	2100*900	2200*900	2500*1000	2800*1200	3400*1400
Down platform size	mm	1800*760	2200*940	2500*1000	2500*1000	2500*1000	2800*1100	3000*1200	3600*1400
Side opening	mm	700*450	700*600	700*600	900*650	900*650	1000*700	1100*700	1200*700
Servo motor torque	NM	10000	14000	15000	21000	32000	40000	60000	65000
Air pressure	$kg*cm^2$	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