



- SAFETY
- STABLE
- PRECISION
- ENERGY SAVING
- AUTOMATION

**80-315TONS**

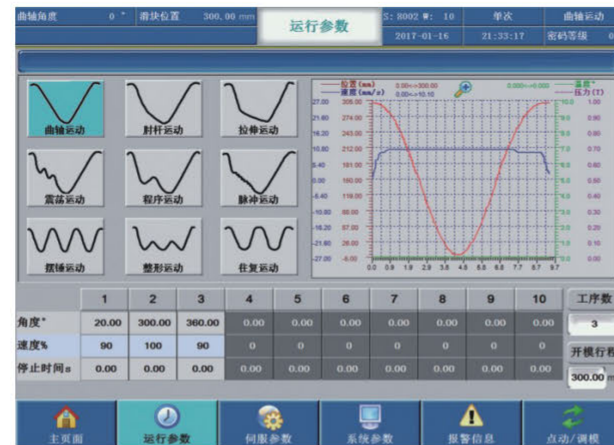
## Performance Features

QIAOSEN STA-series is C-frame single crank Servo presses, its 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.

- ◆ Heavy one-piece steel frame, minimizing deflection, high accuracy.
- ◆ High strength body structure, small deformation and high precision
- ◆ The sliding block adopts double angle hexahedral guide rail, 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 press machine and die.
- ◆ The standard configuration is high-precision bearing and Japanese NOK seal.
- ◆ 15.6 inch touch screen
- ◆ Optional Die Cushion.



Built In 9 Types Of Slider Motion Curves

## 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
- > Electric grease lubrication device
- > 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

- > Fixed two handed console
- > Re-Circulating Oil Lubrication
- > Anti-Vibration Isolator
- > Tonnage Monitor

## Technical Parameters

Specifications	Unit	STA-80sv	STA-110sv	STA-160sv	STA-200sv	STA-260sv	STA-315sv
Press capacity	Ton	80	110	160	200	260	315
Rated tonnage point	mm	4	4	5	5	6	6
Slider stroke length (Swing mode)	mm	50/90/120	60/100/130	70/110/160	70/110/160	110/160/200	110/160/200
Slider stroke length (Full stroke)	mm	150	180	200	200	250	250
Slider zero load (SPM) (Comesponding swing mode)	S.P.M	120/90/80	100/80/70	95/75/60	95/75/60	70/60/50	65/55/45
Slider zero load (SPM) (Full stroke comesponding swing)	S.P.M	~70	~60	~50	~50	~40	~40
Max mold height	mm	340	360	460	460	500	520
Slider adjustment amount	mm	80	80	100	110	120	120
Slide size	mm	770*420*70	910*470*80	990*550*90	1130*630*90	1250*700*100	1300*750*100
Bolster size	mm	1000*550*90	1150*600*110	1250*800*140	1400*820*160	1500*840*180	1600*840*180
Slider center to machine distance	mm	280	305	405	415	430	430
Servo motor torque	Nm	3700	4500	7500	10000	15000	20000
Air pressure	kg*cm <sup>2</sup>	6	6	6	6	6	6
Press accuracy grade	Grade	JIS 1	JIS 1	JIS 1	JIS 1	JIS 1	JIS 1