



- SAFETY
- STABLE
- PRECISION
- ENERGY SAVING
- AUTOMATION

25-160TONS

Technical Parameters

Name	Unit	ST-25		ST-35		ST-45		ST-60		ST-80		ST-110		ST-160	
		V-type	H-type	V-type	H-type	V-type	H-type	V-type	H-type	V-type	H-type	V-type	H-type	V-type	H-type
Mode															
Press capacity	Ton	25		35		45		60		80		110		160	
Rated tonnage point	mm	3.2	1.6	3.2	1.6	3.2	1.6	4	2	4	2	6	3	6	3
Slide strokes per minute	S.P.M	60~140	130~200	40~120	110~180	40~100	110~150	35~90	80~120	35~80	80~120	30~60	60~90	20~50	40~70
Slide stroke length	mm	60	30	70	40	80	50	120	60	150	70	180	80	200	90
Max die height	mm	200	215	220	235	250	265	310	340	340	380	360	410	460	510
Slide adjustment amount	mm	50		55		60		75		80		80		100	
Slide size	mm	470*230*50		520*250*50		560*340*60		700*400*70		770*420*70		910*470*80		990*550*90	
Bolster size	mm	680*300*70		800*400*70		850*440*80		900*500*80		1000*550*90		1150*600*110		1250*800*140	
Slide center to machine distance	mm	155~1250		205~1250		225~1250		255~1250		280~1250		305~1250		405~1250	
Platform to floor distance	mm	795		790		790		785		830		830		900	
Shank hole	mm	Φ 38.1		Φ 38.1		Φ 38.1		Φ 50		Φ 50		Φ 50		Φ 65	
Main motor power	KW*P	3.7*4		3.7*4		5.5*4		5.5*4		7.5*4		11*4		15*4	
Slide adjust device	/	Manual		Manual		Manual		Manual		Electric		Electric		Electric	
Air pressure	kg*cm ²	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	

Performance Features

ST deep throat series presses is designed for punching screen mesh applications. The distance from the center of the slider to the frame can be customized according to requirements (Press machine throat depth). It's can be linked to plate servo feeder machine to improve production efficiency, realize automatic feeding and stamping.

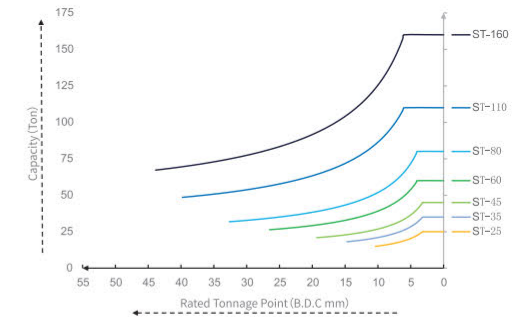
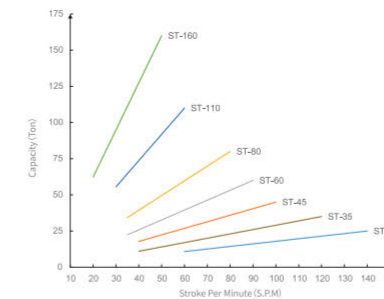
This series produce by Qiaosen presses, which built to meet or exceed JIS Class 1 accuracy standards. Qiaosen adopt high strength steel frames and Quenching & Grinding Process for Slide-Guide, which can make the press machine have minimizing deflection and high accuracy and provide increased tool life.

Forged 42CrMo alloy material crankshaft, precision-machined gears and other drive train components are designed for smooth power transmission, quiet operation and long life. ST series presses are dry clutch system, It has longer service life of the clutch system, high single stroke rate and high torque outputs performance.

Siemens based control platform and user-friendly touch screen operation interface are standardized in all QIAOSEN's presses, it provides ease of operation and expandable capabilities. Easy to integration with other automation system. Other brands of control can be furnished upon request.

- ◆ Heavy one-piece steel frame, minimizing deflection, high accuracy. OMPI pneumatic dry clutch brake, longer service life.
- ◆ 6 points slide guiding, Adopt Quenching & Grinding Process for Slide-Guide, which can make the press machine higher accuracy & low wear and provide increased tool life.
- ◆ Forged 42CrMo alloy material crankshaft, its strength is 1.3 times higher than that of #45 steel, and service life is longer.
- ◆ Copper sleeve is made of tin phosphorus bronze ZQSn10-1, which has a strength 1.5 times higher than that of ordinary BC6 brass.
- ◆ Highly sensitive hydraulic overload protection device, effectively protect the service life of the presses and tools.
- ◆ Built to JIS Class I accuracy standard.
- ◆ Optional Die Cushion.

Capacity Graph



Standard Configuration

- > Hydraulic overload protection device
- > Manual slider adjustment device (below ST60)
- > Electric slider adjusting device (above ST80)
- > Variable frequency variable speed motor (adjustable speed)
- > Mechanical die height indicator (below ST60)
- > Digital die height indicator (above ST80)
- > Slider and stamping tools balance device
- > Rotating cam controller
- > Crankshaft angle indicator
- > Electromagnetic counter
- > Air source connector
- > Second degree falling protecting device

Optional Configuration

- > Customization Per Customer Requirement
- > Die Cushion
- > Quick Die Change System
- > Slide knock out device
- > Turnkey System with Coil Feedline and Automation System

- > 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)
- > Fixed two-handed operating console
- > LED die lighting

- > T-type movable two handed console
- > Re-Circulating Oil Lubrication
- > Wet clutch
- > Anti-Vibration Isolator
- > Tonnage Monitor