SERVICE TEL + 86-139-1238-5170

QIAOSEN®

PRECISION PRESSES MANUFACTURER

FOCUSING ON METAL FORMING INDUSTRY

WUXI QIAOSEN SEIKO MECHANICAL CO., LTD

FTY Add: Hehui road no.8, Huishan District, Wuxi City, Jiangsu Province, China.

Export Department: Wuxi Daya Technology Co., Ltd

Office Add: Building 4-1008, No. 21, Zhihui Road , Wuxi City, Jiangsu ,Province, China.

Tel: (+86) 13912385170

E-mail: sales@qiaosenpresses.com

Website: www.qiaosenpresses.com

QIAOSEN®

MECHANICAL PRESS MACHINE

THE BEST FORMING CHOICE

Wuxi Qiaosen Seiko Machinery Co., Ltd. is a company that integrates research and development, production, and sales. The export department is Wuxi Daya Technology Co., Ltd. We mainly produce precision mechanical presses, including precision stamping machinery related equipment such as medium and low speed presses, high-speed presses, servo presses, and stamping automation. Our factory is located in Huishan Economic Development Zone, Wuxi City, Jiangsu Province, China. Covering an area of 100 acres. We have over hundred digital control processing equipments such as vertical and horizontal machining centers, as well as testing instruments for various precision and high-speed presses. The tonnage of the press varies from 25 tons to 1600 tons, and the products are exported to multiple countries and regions around the world.

Wuxi Qiaosen Seiko Mechanical Co., Ltd is committed to precision production and lean manufacturing. Qiaosen has implemented ERP enterprise information management, producing more timely, high-quality, efficient, and value-added products to customers, and continuously promoting industry updates and upgrades. Pay attention to every critical technology, continuously introduce the latest instruments, excellent talents, and independently develop the business philosophy of "lean manufacturing, brand creation, and customer service".

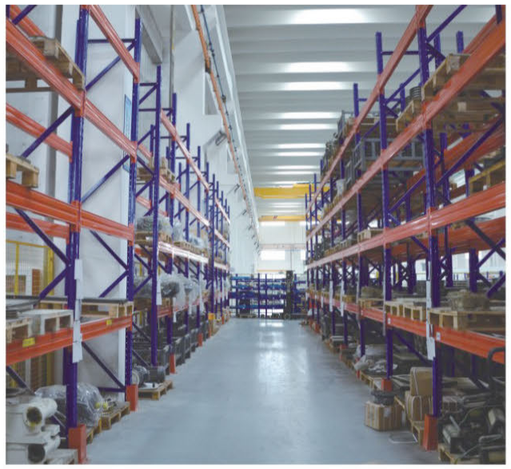
Based on quality, consistency of words and deeds, honesty and trustworthiness, information sharing, service spirit, customer satisfaction, Wuxi Qiaosen's corporate values promote continuous progress and innovation of Qiaosen. Faced with future development, Qiaosen has unwavering confidence and action, continuously improving, developing unique products, and challenging the domestic and international markets. Looking forward to becoming an international high-quality stamping machinery manufacturer in the near future, we pursue: adhering to innovative concepts and precision manufacturing; Continuously improve and improve work standards; Establish a performance mechanism and create a good working environment; Provide high-quality products and services to global customers. We promise that customers who use the Qiaosen brand will never regret it.

COMPANY PROFILE

WORLD-RENOWNED SUPPLIER

SUNWA · SIEMENS · ROSS · KOLP
RIKEN OPTECH · SMC · NOK · NTN
SICK Sensor intelligence. · NSK · Rexroth Bosch Group · SKF
KINGAIR · OMRON 欧姆龙 · MAC · TOYOOKI

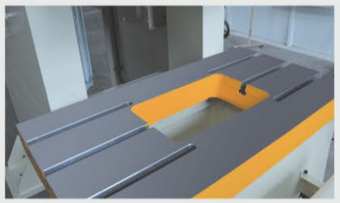
ENTERPRISE HONOR



INNOVATIVE PILOT TECHNOLOGY QIAOSEN

QIAOSEN QUALITY

comes from advance manufacturing means



QIAOSEN PRESSES NINE ADVANTAGES

SLIDE GUIDE

Advantage 1

The slider guide rail is treated with "high-frequency quenching" and "guide rail grinding process"
High frequency quenching: The hardness reaches HRC48 degrees or above.
Guide rail grinding process: The surface smoothness can reach a mirror level Ra0.4, and the flatness can reach up to 0.01mm/m ^{2}, 0.03mm/m for other general manufacturers ^{2}。
Advantages: Low wear, high accuracy, long accuracy retention time, and improved stamping tools service life.

GEAR SHAFT

Advantage 2

The gear shaft is made of high-strength alloy material 42CrMo, and all tooth surfaces are treated with medium frequency, resulting in high hardness; Tooth surface grinding processing with high accuracy.
Advantages: Low tooth wear, high meshing accuracy, and long service life.

BALL SEAT

Advantage 3

Ball seat material: sintered TM-3 copper alloy ball seat, other general manufacturers' ball seats are made of ductile iron.
Advantages: High strength TM-3 alloy ball seat, with a surface compressive strength of up to 1000kgf/cm ^{2}, During the stamping process, the friction between the ball seat and the saw tooth ball head greatly reduces the probability of jamming and prolongs its service life.

COPPER SLEEVE

Advantage 4

All copper sleeves of the QIAOSEN press machine are made of tin phosphorus bronze ZQSn10-1, and general manufacturers use BC6 (ZQSn 6-6-3) copper material.
Advantages: The strength is 1.5 times higher than ordinary BC6 copper, with high strength, low wear, and long accuracy retention time

LANTERN RING

Advantage 5

The area where the collar comes into contact with the oil seal is processed through "surface grinding" and "surface chromium plating (Cr)" processes.
Advantages: The surface smoothness reaches Ra0.4~Ra0.8, and it is not easy to leak oil when in contact with the oil seal. The surface is plated with chromium (Cr) technology, with a hardness of over HRC48 degrees, ensuring long-term use without wear and tear, and the service life of the oil seal is longer.

CRANKSHAFT

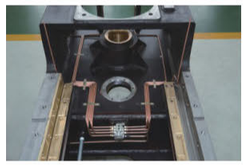
Advantage 6

The crankshaft is made of high-strength alloy material 42CrMo, while other general manufacturers use 45 steel material for the crankshaft.
Advantages: The strength is 1.3 times higher than that of 45 steel, and the service life is longer. The probability of crankshaft fracture is greatly reduced. As a standard configuration for QIAOSEN crankshaft, the crankshaft produced by Guangzhou Yuexin crankshaft factory (through strict forging, heat treatment, flaw detection, processing, inspection and other perfect processes) avoids various quality problems that occur during the production process of the crankshaft, ensuring its quality.

STATIC BALANCE INSTRUMENT

Advantage 7

Flywheel static balance testing platform, each flywheel undergoes a static balance test to ensure that the flywheel operates at high speed and reduces the shaking of the press.



LUBRICATION PIPING

Advantage 8

QIAOSEN standard machine C frame single and double crank punch press, standard oil pressure lubrication piping is used Φ 6 (Generally used by other manufacturers) Φ 4) The hydraulic lubrication piping of medium and large punch presses adopts Φ 8.
Advantages: The pipeline is longer, and larger diameters are less likely to block or break, ensuring the safety and smoothness of the lubricating oil pipeline

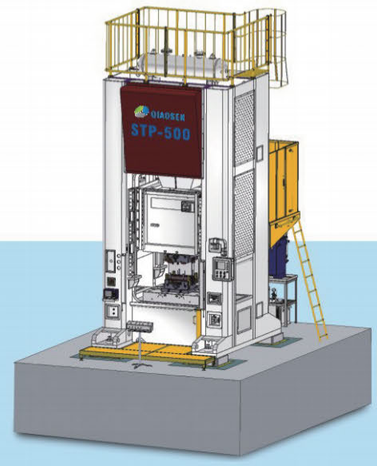
ELECTRIC CONTROL

Advantage 9

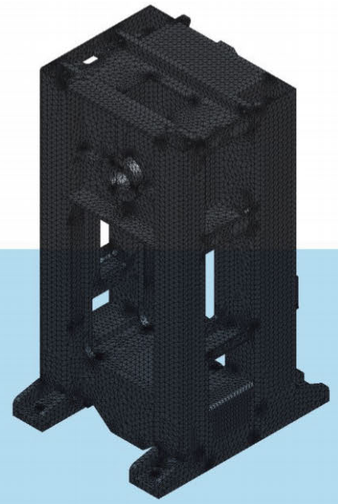
Adopting world-renowned high-end brand electronic components, the electrical control system operates safely, reliably, stably, has a long lifespan, reduces failure rates, and is conducive to maintenance.

FINITE ELEMENT ANALYSIS (FEA)

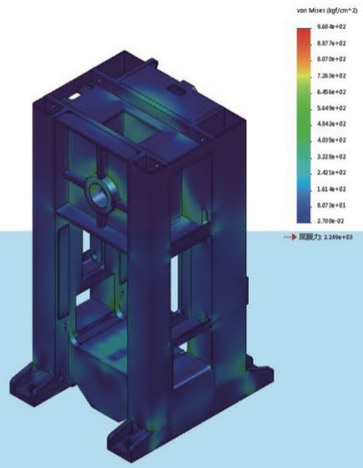
Through solidworks finite element analysis (FEA), refined design, optimized structure, reasonable layout, and full play of product performance. Provide customers with quality products.



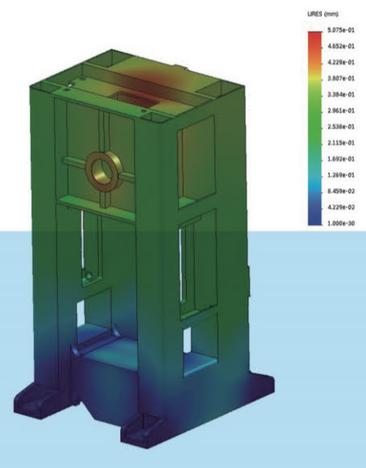
Practical Case Analysis of
the Rigidity of a 500Ton Press Frame



Frame entity mesh division



Frame stress distribution
(The stress at each node can be accurately calculated)



The frame can be accurately
calculated the displacement size of each node

PRESSES
CATALOG

MECHANICAL PRESSES

SERVO PRESSES

HIGH SPEED PRESSES

ST SERIES

- SAFETY
- STABLE
- PRECISION
- ENERGY SAVING
- AUTOMATION

25-315TONS

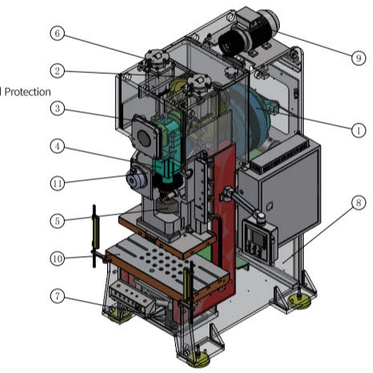
Performance Features

ST series presses is C-Frame single crank press designed for small stamping applications but with high performance outputs.
ST series presses are produced 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.

① Flywheel+Dry Clutch Brake+Gear Shaft （Transmission System）
② Main gear
③ Crankshaft
④ Connecting Rods
⑤ Hydraulic Overload Protection
⑥ Balancer
⑦ Die Cushion
⑧ Frame
⑨ Main Motor
⑩ Bolster
⑪ Slide Frame



- 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.

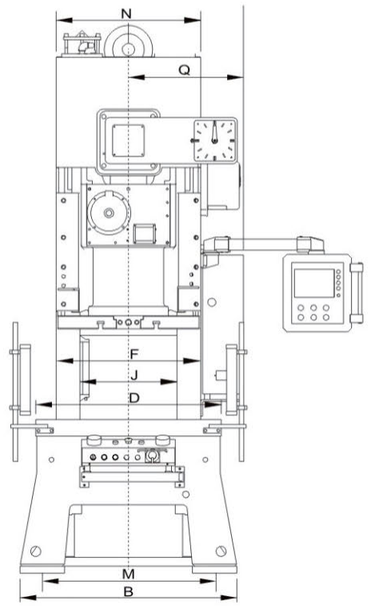
Technical Parameters

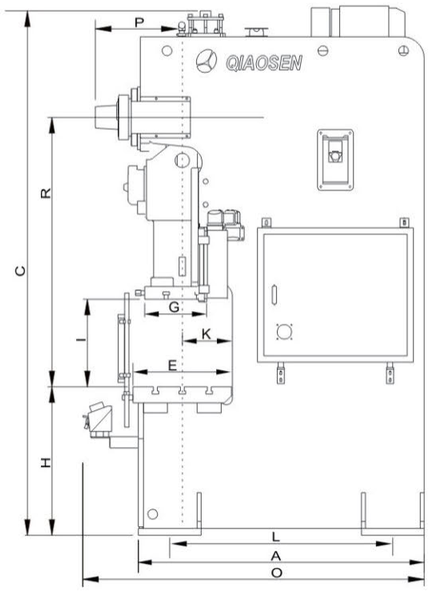
Name	Unit	ST-25		ST-35		ST-45		ST-60	
Mode		V-type	H-type	V-type	H-type	V-type	H-type	V-type	H-type
Press capacity	Ton	25		35		45		60	
Rated tonnage point	mm	3.2	1.6	3.2	1.6	3.2	1.6	4	2
Slide strokes per minute	S.P.M	60~140	130~200	40~120	110~180	40~100	110~150	35~90	80~120
Slide stroke length	mm	60	30	70	40	80	50	120	60
Max die height	mm	200	215	220	235	250	265	310	340
Slide adjustment amount	mm	50		55		60		75	
Slide size	mm	470*230*50		520*250*50		560*340*60		700*400*70	
Bolster size	mm	680*300*70		800*400*70		850*440*80		900*500*80	
Slide center to machine distance	mm	155		205		225		255	
Platform to floor distance	mm	795		790		790		785	
Shank hole	mm	Φ38.1		Φ38.1		Φ38.1		Φ50	
Main motor power	KW*P	3.7*4		3.7*4		5.5*4		5.5*4	
Slide adjust device	/	Manual		Manual		Manual		Manual	
Air pressure	$kg*cm^2$	6		6		6		6	
Press accuracy grade	Grade	JIS 1		JIS 1		JIS 1		JIS 1	
Press dimension(L*W*H)	mm	1280*850*2200		1380*900*2400		1575*950*2500		1595*1000*2800	
Press weight	Tons	2.1		3		3.8		5.6	
Die cushion capacity	Ton	/		2.3		2.3		3.6	
Die cushion stroke	mm	/		50		50		70	
Die cushion active area	mm^2	/		300*230		300*230		350*300	

ST-80		ST-110		ST-160		ST-200		ST-260		ST-315	
V-type	H-type	V-type	H-type	V-type	H-type	V-type	H-type	V-type	H-type	V-type	H-type
80		110		160		200		260		315	
4	2	6	3	6	3	6	3	7	3.5	7	3.5
35~80	80~120	30~60	60~90	20~50	40~70	20~50	50~70	20~40	40~50	20~40	40~50
150	70	180	80	200	90	200	100	250	150	250	150
340	380	360	410	460	510	460	510	500	550	520	570
80		80		100		110		120		120	
770*420*70		910*470*80		990*550*90		1130*630*90		1250*700*100		1300*750*100	
1000*550*90		1150*600*110		1250*800*140		1400*820*160		1500*840*180		1600*840*180	
280		305		405		415		430		430	
830		830		900		995		1030		1030	
Φ50		Φ50		Φ65		Φ65		Φ65		Φ65	
7.5*4		11*4		15*4		18.5*4		22*4		30*4	
Electric		Electric		Electric		Electric		Electric		Electric	
6		6		6		6		6		6	
JIS 1		JIS 1		JIS 1		JIS 1		JIS 1		JIS 1	
1800*1180*2980		1900*1300*3200		2315*1400*3670		2615*1690*4075		2780*1850*4470		2780*1870*4470	
6.5		9.6		16		23		32		34	
3.6		6.3		10		14		14		14	
70		80		80		100		100		100	
450*310		500*350		650*420		710*480		810*480		810*480	

We will research and improve all the machines at any time. If all sizes and design features specified by the catalog change, there will be no further notice.

External Dimensions





Specification	ST-25	ST-35	ST-45	ST-60	ST-80	ST-110	ST-160	ST-200	ST-260	ST-315
A	1100	1200	1400	1420	1595	1720	2140	2440	2605	2605
B	840	900	950	1000	1170	1290	1390	1690	1850	1870
C	2135	2345	2425	2780	2980	3195	3670	4075	4470	4490
D	680	800	850	900	1000	1150	1250	1400	1500	1500
E	300	400	440	500	550	600	800	820	840	840
F	470	520	560	700	770	910	990	1130	1130	1130
G	250	285	340	400	420	470	550	630	700	700
H	800	790	800	795	830	830	910	1030	1030	1030
I	260	290	320	420	480	530	650	650	750	770
J	444	488	502	526	534	616	660	790	900	900
K	160	205	225	255	280	305	405	415	430	430
L	980	1040	1170	1180	1310	1420	1760	2040	2005	2005
M	700	800	840	890	980	1100	1200	1400	1560	1580
N	540	620	670	720	780	920	1000	1160	1300	1320
O	1275	1375	1575	1595	1770	1895	2315	2615	2780	2780
P	278	278	313	333	448	488	545	593	688	688
R	935	1073	1130	1378	1506	1650	1960	2188	2460	2480

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

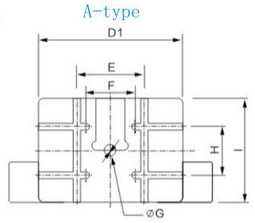
- > Air blowing device
- > Mechanical shockproof feet
- > Mis-feeding detection device reserved interface
- > Maintenance tools and toolbox
- > Main motor reversing device
- > Light Curtain (Safety Guarding)
- > Power outlet
- > Electric grease lubrication device
- > Touch screen (pre-break, pre-load)
- > Fixed two-handed operating console
- > LED die lighting

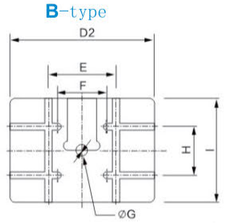
Slide Platform

A-type

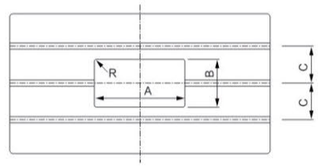
B-type

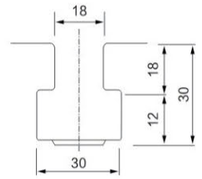
STANDARD B-TYPE



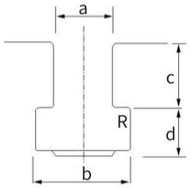


Bolster





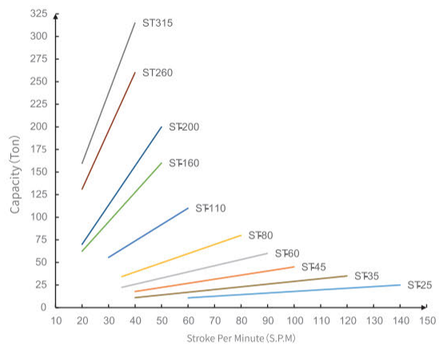
T-shaped Groove type I

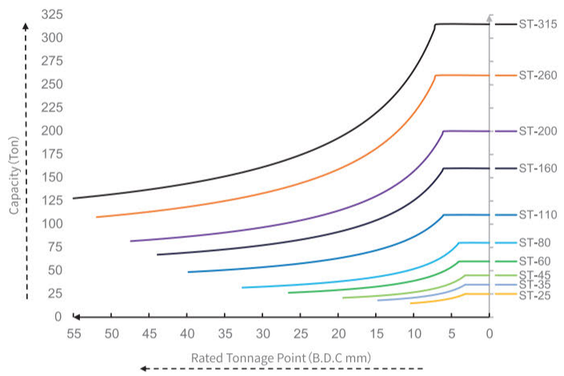


T-Shaped Groove II

Model	A	B	C	D1	D2	E	F	G	H	I	T Groove
ST-25	240	120	90	300	470	-	150	Φ38.1	80	230	I
ST-35	280	140	120	360	520	-	160	Φ38.1	100	250	I
ST-45	300	150	120	400	560	-	210	Φ38.1	120	300	I
ST-60	320	160	150	500	700	220	220	Φ50	160	360	II
ST-80	360	180	150	560	770	300	220	Φ50	180	420	II
ST-110	400	200	160	650	910	300	220	Φ50	220	470	II
ST-160	440	220	220	700	990	300	175	Φ65	220	550	II
ST-200	480	240	280	850	1130	420	200	Φ65	300	630	II
ST-260	520	260	290	950	1250	420	200	Φ65	300	700	II
ST-315	520	260	290	950	1300	420	200	Φ65	300	700	II

Capacity Graph

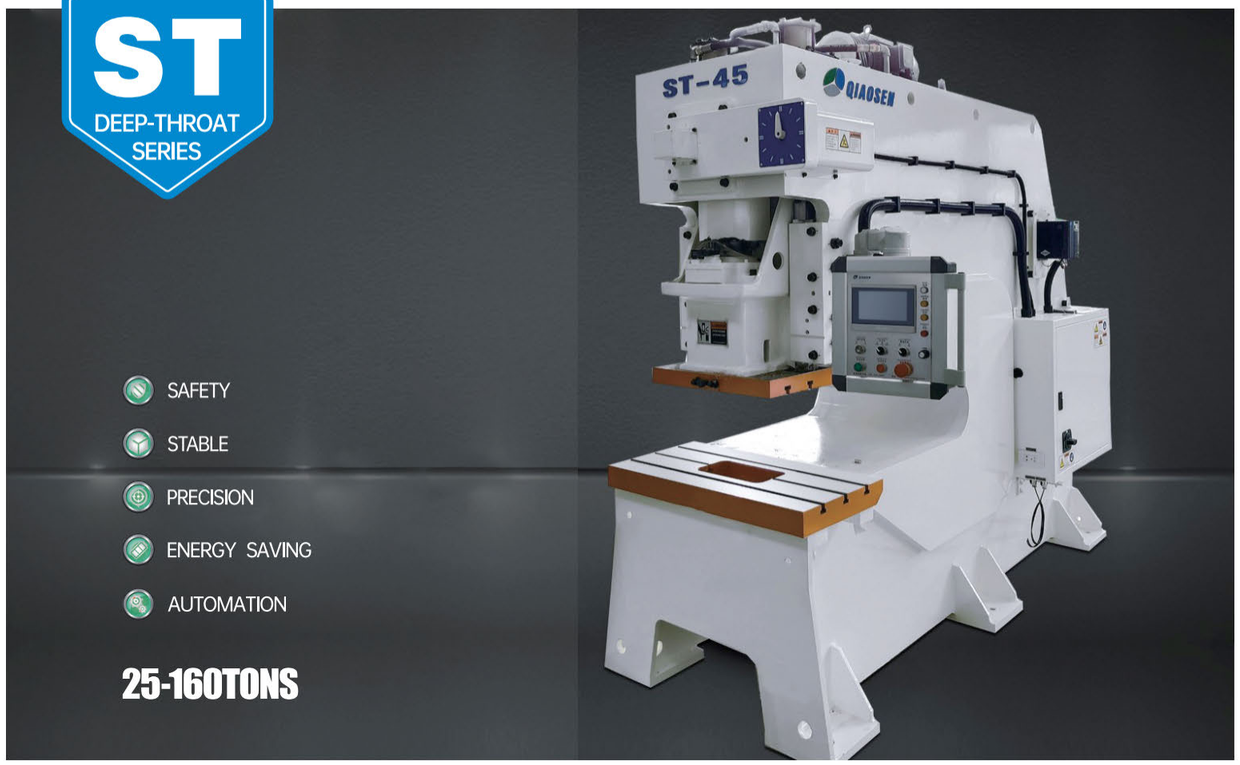




Optional Configuration

- > Customization Per Customer Requirement
- > Die Cushion
- > ST-60 die height electric adjusting device
- > Quick Die Change System
- > Slide knock out device
- > Turnkey System with Coil Feedline and Automation System

- > T-type movable two handed console
- > Re-Circulating Oil lubrication (Above ST-80)
- > Wet clutch
- > Anti-Vibration Isolator
- > Tonnage Monitor



Technical Parameters

Name	Unit	ST-25		ST-35		ST-45		ST-60		ST-80		ST-110		ST-160	
Mode		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
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*cm²	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.

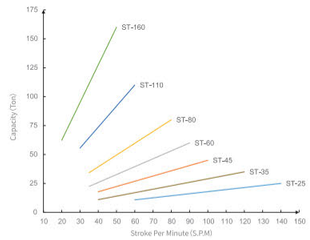
This series produce by Qiaosen presses, which built to meet or exceed JIS Class 1 accuracy standards. Qiaosen adopt high strength steel frames and Quenching & Grinding Process for Slide-Guide, which can make the press machine have minimizing deflection and high accuracy and provide increased tool life.

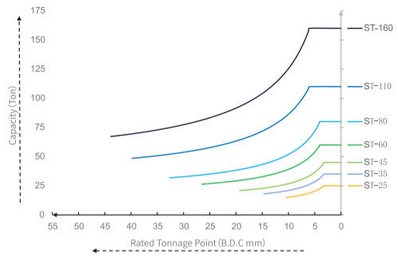
Forged 42CrMo alloy material crankshaft , precision-machined gears and other drive train components are designed for smooth power transmission, quiet operation and long life. ST series presses are dry clutch system, It has longer service life of the clutch system , high single stroke rate and high torque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

> 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

Optional Configuration

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

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

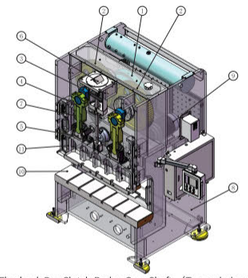
STC SERIES

- SAFETY
- STABLE
- PRECISION
- ENERGY SAVING
- AUTOMATION

80-315TONS

Performance Features

STC series press is two points gap frame press, double crank unitized frame with long bed area, great for light duty progressive die application or large single stroke parts.
STC series presses are 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.



① Flywheel, Dry Clutch Brake, Gear Shaft (Transmission System)
② Main gear ③ Crankshaft ④ Connecting Rods
⑤ Hydraulic Overload Protection
⑥ Balancer ⑦ Adjusting nut ⑧ Frame
⑨ Main Motor ⑩ Bolster ⑪ Slide Frame

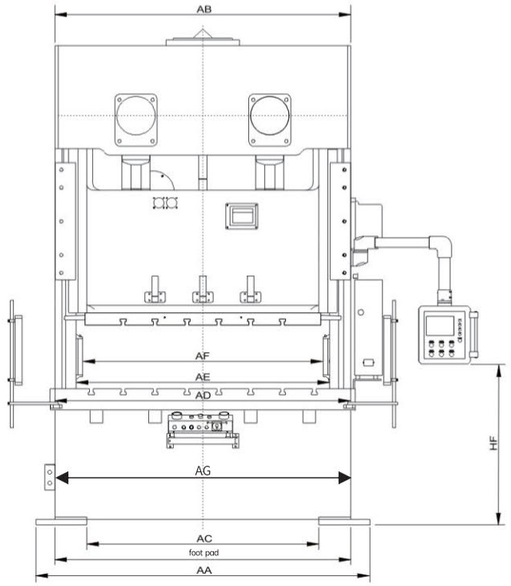
- Heavy one-piece steel frame, minimizing deflection, high accuracy.
- OMPI pneumatic dry clutch brake, longer service life.
- 6 points slide guiding, Adopt Quenching & Grinding Process for Slide-Guide, which can make the press machine higher accuracy & low wear and provide increased tool life.
- Forged 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.

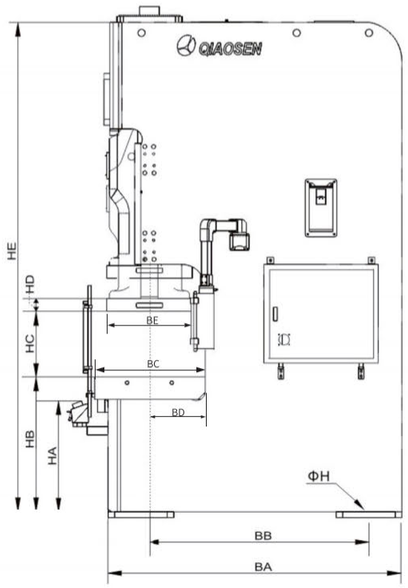
Technical Parameters

Name	Unit	STC-110		STC-160		STC-200		STC-250		STC-315	
Mode		V-type	H-type	V-type	H-type	V-type	H-type	V-type	H-type	V-type	H-type
Press capacity	Ton	110		160		200		250		315	
Rated tonnage point	mm	5	3	6	3	6	3	7	3.5	7	3.5
Slide strokes per minute	S.P.M	35~65	50~100	30~55	40~85	25~45	35~70	20~35	30~60	20~35	30~60
Slide stroke length	mm	180	110	200	130	250	150	280	170	280	170
Max die height	mm	400	435	450	485	500	550	550	605	550	605
Slide adjustment amount	mm	100		100		120		120		120	
Slide Area	mm	1400*500		1600*550		1850*650		2100*700		2200*700	
Slide Thickness	mm	70		70		95		95		95	
Bolster Area	mm	1800*650		2000*760		2400*840		2700*900		2800*900	
Bolster Thickness	mm	130		150		170		170		190	
Platform to floor distance	mm	830		990		1070		1100		1100	
Die cushion capacity	Ton	3.6*2set		6.3*2set		10*2set		14*2set		14*2set	
Main motor power	KW*P	11*4		15*4		18.5*4		22*4		30*4	
Air pressure	kg*cm²	6		6		6		6		6	
Press accuracy grade	Grade	JIS 1		JIS 1		JIS 1		JIS 1		JIS 1	
Press dimension(L*W*H)	mm	1745*2000*3059		1940*2200*3709		2235*2620*3849		2545*3000*4304		2545*3100*4304	
Press weight	Tons	14.2		22		30.5		40.5		48	
Die cushion active area	mm²	350*235*2set		410*260*2set		540*350*2set		640*470*2set		690*470*2set	

Our company is ready to carry out research and improvement work at any time. Therefore, the size design characteristics specified in this catalogue can be changed without further notice.

Overall Dimensions





Specification	STC-80		STC-110		STC-160		STC-200		STC-250	
Mode	V	H	V	H	V	H	V	H	V	H
AA	1660		2000		2200		2620		3000	
AB	1540		1900		2080		2460		2800	
AC	1080		1360		1520		1820		2200	
AD	1500		1800		2000		2400		2700	
AE	1200		1510		1660		1990		2220	
AF	1100		1400		1600		1850		2100	
AG	1440		1780		1980		2320		2590	
BA	1440		1745		1940		2235		2545	
BB	1070		1295		1380		1885		2195	
BC	550		650		760		840		900	
BD	280		330		385		425		455	
BE	450		500		550		650		700	
HA	(630)		(630)		(730)		(790)		(820)	
HB	775		830	865	990	1025	1070	1120	1100	1155
HC	350	380	400	435	450	485	500	550	550	605
HD	150	90	180	110	200	130	250	150	280	170
HE	2670		3059		3709		3849		4304	
HF	1330		1240		1440		1570		1680	
Φh	Φ28		Φ35		Φ35		Φ54		Φ54	

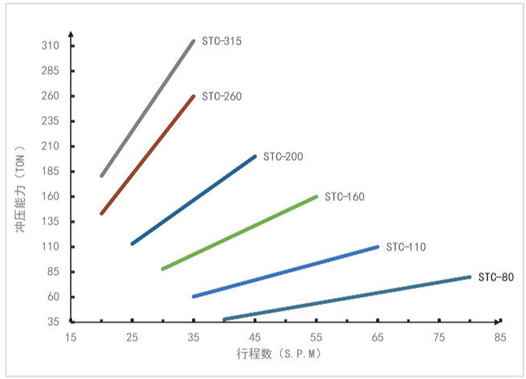
Standard Configuration

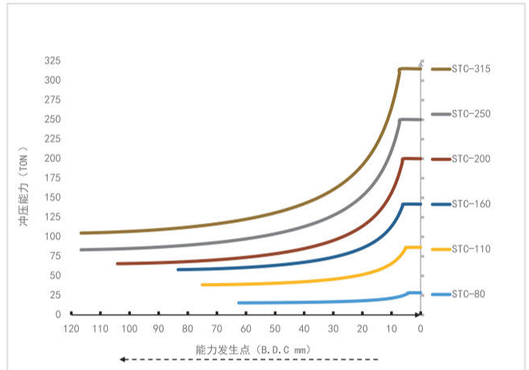
- > QS operating system
- > Hydraulic overload protection device
- > Electronic cam device
- > Electric slider adjusting device
- > Variable frequency variable speed motor (Adjustable Speed)
- > Air blowing device
- > Digital die height indicator
- > Slider and stamping tools balance device
- > Rotating 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)
- > Fixed two-handed operating console
- > LED die lighting

Optional Configuration

- > Customization Per Customer Requirement
- > Die Cushion
- > Foot switch
- > Quick Die Change System
- > Slide knock out device
- > Turnkey System with Coil Feedline and Automation System
- > T-type movable two handed console
- > Re-Circulating Oil lubrication
- > Wet clutch
- > Anti-Vibration Isolator
- > Tonnage Monitor

Capacity Graph





STB SERIES

- SAFETY
- STABLE
- PRECISION
- ENERGY SAVING
- AUTOMATION

80-315TONS

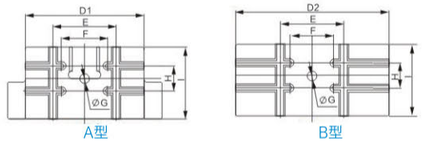
Performance Features

STB series presses is D-Frame single crank presses (Semi closed type), which is gap frame press with added support beams that helps to reduce the spring back and add more rigidity to the press frame. It allows heavier duty works to be performed than on a c-frame press.
STB series presses are produced by Qiaosen machinery, 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. STB series presses are dry clutch system, It has longer service life of the clutch system , high single stroke rate and high torque outputs performance. Flywheel direct drive design, which can be customized to shorter stroke, more faster speed.
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.

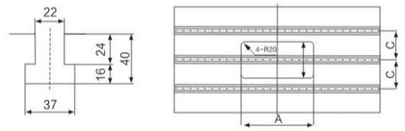
- Heavy one-piece steel frame, minimizing deflection, high accuracy.
- OMPI pneumatic dry clutch brake, longer service life.
- 6 points slide guiding, Adopt Quenching & Grinding Process for Slide-Guide, which can make the press machine higher accuracy & low wear and provide increased tool life.
- Forged 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.

Slide

STANDARD B-TYPE



Bolster Curve



Model	A	B	C	D1	D2	E	F	G	H	1
STB-80	360	180	150	560	770	300	220	Φ 50	180	420
STB-110	400	200	160	650	910	300	220	Φ 50	220	470
STB-160	440	220	220	700	990	300	175	Φ 65	220	550
STB-200	480	240	280	850	1130	420	200	Φ 65	300	630
STB-260	520	260	290	950	1200	420	200	Φ 65	300	700
STB-315	540	280	300	1000	1200	450	200	Φ 65	300	750

Standard Configuration

- > Hydraulic overload protection device
- > Electric slider adjusting device
- > Variable frequency variable speed motor (adjustable speed)
- > Electronic cam device
- > 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)
- > Fixed two-handed operating console
- > LED die lighting

Optional Configuration

- > Customization Per Customer Requirement
- > Die Cushion
- > Quick Die Change System
- > Slide knock out device
- > Turnkey System with Coil Feedline and Automation System
- > T-type movable two handed console
- > Re-Circulating Oil lubrication
- > Wet clutch
- > Anti-Vibration Isolator
- > Tonnage Monitor

Technical Parameters

Name	Unit	STB-80		STB-110		STB-160		STB-200		STB-260		STB-315	
Mode		V-type	H-type	V-type	H-type	V-type	H-type	V-type	H-type	V-type	H-type	V-type	H-type
Press capacity	Ton	80		110		160		200		260		315	
Rated tonnage point	mm	4	2	6	3	6	3	6	3	7	3.5	7	3.5
Slide strokes per minute	S.P.M	35~80	80~120	30~60	60~90	20~50	40~70	20~50	50~70	20~40	40~50	20~35	30~50
Slide stroke length	mm	150	70	180	80	200	90	200	100	250	150	280	170
Max die height	mm	340	380	360	410	460	510	460	510	500	550	550	600
Slide adjustment amount	mm	80		80		100		110		120		120	
Slide size	mm	560*420*70		650*470*80		700*550*90		850*630*90		950*700*100		1000*750*110	
Bolster size	mm	760*550*90		900*600*110		980*880*140		1140*820*160		1300*840*180		1300*900*200	
Platform to floor distance	mm	830		830		900		995		1030		1030	
Shank hole	mm	Φ 50		Φ 50		Φ 65		Φ 65		Φ 65		Φ 65	
Main motor power	KW*P	7.5*4		11*4		15*4		18.5*4		22*4		30*4	
Slide adjust device	/	Electric											
Air pressure	kg*cm²	6		6		6		6		6		6	
Press accuracy grade	Grade	JIS 1		JIS 1		JIS 1		JIS 1		JIS 1		JIS 1	
Press dimension(L*W*H)	mm	1300*1890*3000		1420*1985*3200		1600*2200*3500		1750*2500*3900		2080*2895*4470		2100*2925*4550	
Press weight	Tons	7.8		10.5		17.8		25.3		37		42	
Die cushion capacity	Ton	3.6		6.3		10		14		14		14	
Die cushion stroke	mm	70		80		80		100		100		100	
Die cushion active area	mm²	450*310		500*350		650*420		710*480		810*480		810*480	

NOTE: Our company is ready to carry out research and improvement work at any time. Therefore, the size design characteristics specified in this catalogue can be changed without further notice.

STV SERIES

- SAFETY
- STABLE
- PRECISION
- ENERGY SAVING
- AUTOMATION

45-160TONS

Performance Features

STV series presses is H-Frame single crank press designed for screen punching, mesh punching and other stamping processes. There has been a significant improvement in production efficiency and accuracy in this industry.
STV series presses are produced 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. STV 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.

Standard Configuration

- > QS operating system
- > Hydraulic overload protection device
- > Electronic cam device
- > Electric slider adjusting device
- > Variable frequency variable speed motor (Adjustable Speed)
- > Air blowing device
- > 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)
- > Fixed two-handed operating console
- > LED die lighting

Optional Configuration

- > Customization Per Customer Requirement
- > Die Cushion
- > Foot switch
- > Quick Die Change System
- > Slide knock out device
- > Turnkey System with Coil Feedline and Automation System
- > T-type movable two handed console
- > Re-Circulating Oil lubrication
- > Wet clutch
- > Anti-Vibration Isolator
- > Tonnage Monitor

Technical Parameters

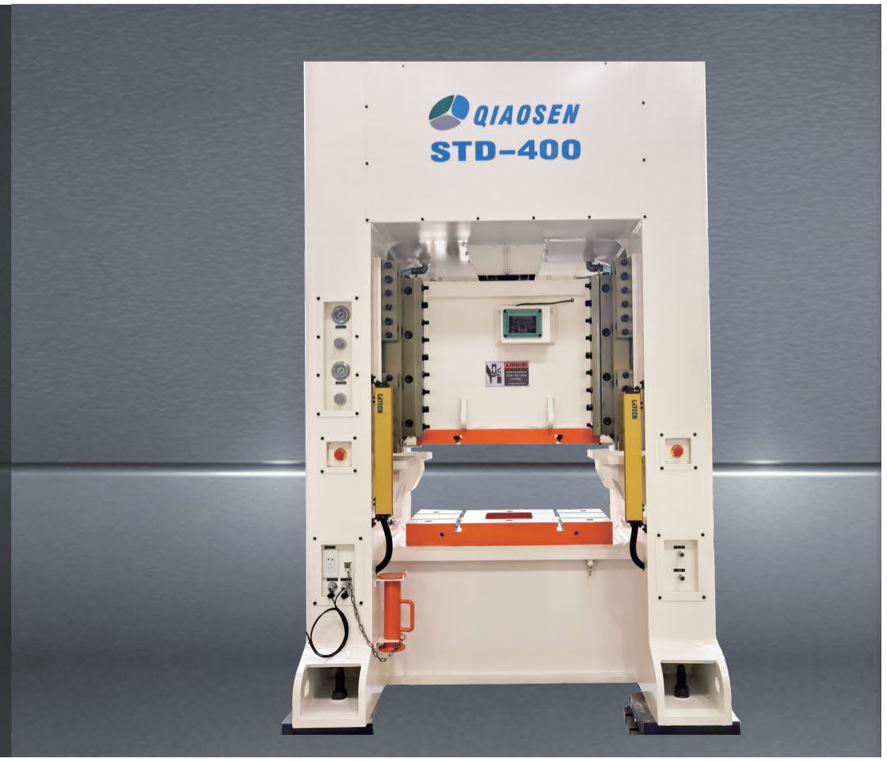
Name	Unit	STV-60		ST-80		ST-110		ST-160		ST-200	
Mode		V-type	H-type	V-type	H-type	V-type	H-type	V-type	H-type	V-type	H-type
Press capacity	Ton	60		80		110		160		200	
Rated tonnage point	mm	4	2	4	2	6	3	6	3	6	3
Slide strokes per minute	S.P.M	35~90	80~120	35~80	80~120	30~60	60~90	20~50	40~70	20~50	50~70
Slide stroke length	mm	120	60	150	70	180	80	200	90	200	100
Max die height	mm	310	340	340	380	360	410	460	510	460	510
Slide adjustment amount	mm	80		80		80		100		110	
Slide size	mm	800*400*70		850*420*70		900*450*80		1000*500*90		1100*600*100	
Bolster size	mm	1000*400*100		1050*420*115		1100*450*135		1300*500*150		1400*600*170	
Inside Width	mm	1200		1250		1300		1500		1600	
Platform to floor distance	mm	825		890		970		1150		1200	
Main motor power	KW*P	7.5*4		11*4		15*4		18.5*4		22*4	
slide adjust device	/	Electric									
Air pressure	kg*cm^2	6									
Press accuracy grade	Grade	JIS 1									

QIAOSEN®
MECHANICAL PRESS MACHINE

STD
SERIES

- SAFETY
- STABLE
- PRECISION
- ENERGY SAVING
- AUTOMATION

110-630TONS



Standard Configuration

> Hydraulic overload protection device
> Electric slider adjusting device
> Variable frequency variable speed motor (adjustable speed)
> Electronic cam device
> 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
> Forced Thin Re-Circulating Oil Lubrication System 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)
> Wet Clutch
> Electric grease lubrication device
> Touch screen (pre-break, pre-load)
> Mobile electric control cabinet and console
> LED die lighting
> 8-Points Slide Guiding

Optional Configuration

> Customization Per Customer Requirement
> Die Cushion
> Quick Die Change System
> Slide Knock Out Device
> Turnkey System with Coil Feedline and Automation System

> Foot Switch
> Electric Automatic Grease Lubrication Device
> Dry Clutch
> Anti-Vibration Isolator
> Tonnage Monitor

Performance Features

STD series is Straight Side Unitized Frame Single Crank (H-frame single point), this press are for general purpose stamping. Suitable for punching, forming, blanking, bending, drawing, and trimming. It is used for auto single stroke, hand in die operation, in die transfer, and robotic system applications.
STD series presses are produced by Qiaosen machinery, 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. STD series presses are wet clutch system, It has longer service life of the clutch system. Adopting "8-Points Slide Guiding" , its makes the presses has the characteristics higher accuracy and stronger stability and resistance to eccentric-load. Standard configuration "Re-Circulating Oil lubrication", which have better heat dissipation, faster speed, more energy efficient and more environmentally friendly.
Siemens main motor and siemens based control platform and user-friendly touch screen operation interface is 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.
- Pneumatic wet clutch brake, longer service life.
- 8-points slide guiding, stronger stability and resistance to eccentric-load. Adopting 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.
- 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.
- Built to JIS Class I accuracy standard.
- Optional Die Cushion.

Technical Parameters

Name	Unit	STD-160		STD-200		STD-250		STD-300		STD-400		STD-500		STD-630	
Mode		S-type	H-type	S-type	H-type	S-type	H-type	S-type	H-type	S-type	H-type	S-type	H-type	S-type	H-type
Press capacity	Ton	160		200		250		300		400		500		630	
Rated tonnage point	mm	6	3	6	3	7	3.5	7	3.5	8	4	10	5	10	5
Slide strokes per minute	S.P.M	20~50	40~70	25~50	40~80	20~45	30~60	20~40	30~60	20~40	30~60	20~40	30~60	20~40	30~60
Max die height	mm	200	90	200	100	250	150	300	150	300	150	300	150	300	150
Slide stroke length	mm	450	400	450	400	450	400	550	450	550	450	600	500	650	550
Slide adjustment amount	mm	100		120		120		150		150		150		150	
Slide Area	mm	750*700		750*700		800*800		900*900		1000*900		1200*1000		1200*1000	
Bolster Area	mm	850*800		900*800		1000*900		1100*1000		1200*1000		1400*1000		1400*1000	
Side opening	mm	700*500		700*500		800*600		900*600		900*650		900*650		900*650	
Main motor power	KW*P	15*4		18.5*4		22*4		30*4		37*4		45*4		55*4	
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	

H-FRAME STRAIGHT SIDE DOUBLE CRANK PRESSES

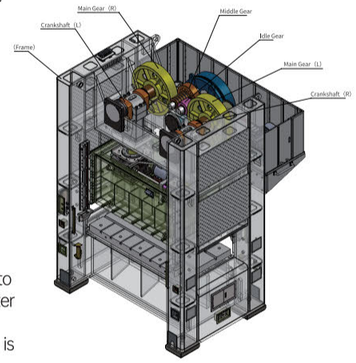
STE
SERIES

- SAFETY
- STABLE
- PRECISION
- ENERGY SAVING
- AUTOMATION

80-800TONS

Performance Features

STE series is Straight Side Unitized Frame Double Crank (H-frame 2-point), this press are for general purpose stamping. Suitable for punching, forming, blanking, bending, drawing, and trimming. This type is generally used for progressive tool, robotic system and in die transfer applications.
It's have the shorter lead time and economic advantage when the application fits, comparing with the tie rod construction presses design(STF series: Trisection-type).
STE series presses are produced by Qiaosen machinery, 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. STE series presses are wet clutch system, It has longer service life of the clutch system. Adopting "8-Points Slide Guiding" , its makes the presses has the characteristics higher accuracy and stronger stability. The design of intermediate-gear increases the both spacing of 2sides main gears and the 2sides crankshafts, which can improve resistance to eccentric-load. Standard configuration "Re-Circulating Oil lubrication", which have better heat dissipation, faster speed, more energy efficient and more environmentally friendly.
Siemens main motor and siemens based control platform and user-friendly touch screen operation interface is 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.

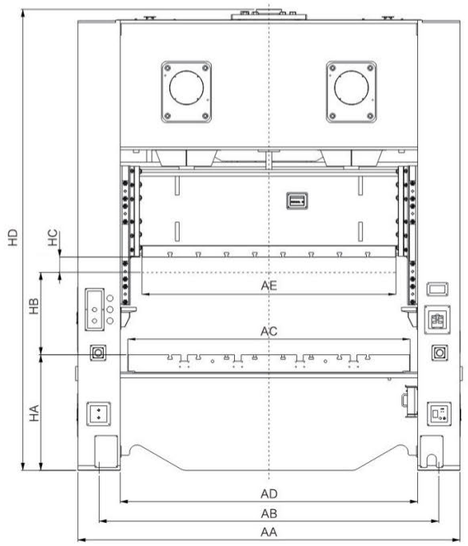


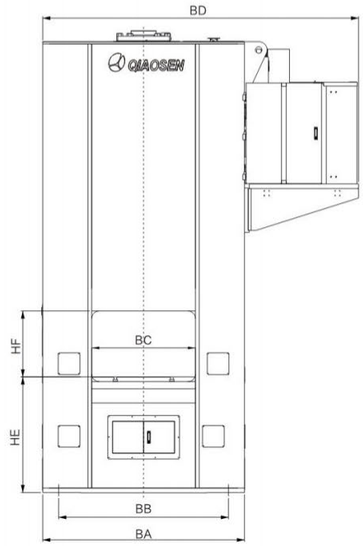
- Heavy one-piece steel frame, minimizing deflection, high accuracy.
- Pneumatic wet clutch brake, longer service life.
- 8-points slide guiding, stronger stability and resistance to eccentric-load. Adopting Quenching & Grinding Process for Slide-Guide, which can make the press machine higher accuracy & 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.
- 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.
- Built to JIS Class I accuracy standard.
- Optional Die Cushion.

Technical Parameters

Name	Unit	STE-80		STE-110		STE-160		STE-200		STE-250		STE-300		STE-400		STE-500		STE-600		STE-800	
Mode		S-type	H-type	S-type	H-type	S-type	H-type	S-type	H-type	S-type	H-type	S-type	H-type	S-type	H-type	S-type	H-type	S-type	H-type	S-type	H-type
Press capacity	Ton	80		110		160		200		250		300		400		500		600		800	
Rated tonnage point	mm	4	2	6	3	6	3	6	3	7	3	7	3	7	3	8	5	10	5	12	6
Slide strokes per minute	S.P.M	45~90	80~120	40~70	60~90	30~55	40~85	20~50	35~70	20~40	30~60	20~40	30~60	20~40	30~60	20~40	20-30	25-45	25~50	15~30	20~35
Slide stroke length	mm	150	100	180	120	180	130	250	150	280	180	300	180	300	180	300	180	300	180	300	180
Max die height	mm	380	330	420	370	450	400	500	450	550	450	550	450	550	450	600	500	600	500	800	700
Slide adjustment amount	mm	80		80		100		120		120		120		120		150		150		200	
Slide Area	mm	1200*520		1400*580		1600*650		1850*750		2100*900		2100*900		2200*900		2500*1000		2800*1200		3400*1400	
Bolster Area	mm	1400*620		1600*700		1800*760		2200*940		2500*1000		2500*1000		2500*1000		2800*1100		3000*1200		3600*1400	
Side opening	mm	500*380		600*420		700*450		700*600		700*600		900*650		900*650		1000*700		1100*700		1200*700	
Main motor power	KW*P	7.5*4		11*4		15*4		18.5*4		22*4		30*4		37*4		45*4		55*4		75*4	
Air pressure	kg*cm ^{2}	6		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		JIS 1	

Overall Dimensions





SPECIFICATION	STE-80		STE-110		STE-160		STE-200		STE-250		STE-300		STE-400		STE-500		STE-600		STE-800	
MODEL	S	H	S	H	S	H	S	H	S	H	S	H	S	H	S	H	S	H	S	H
AA	2100		2350		2590		3000		3700		3700		3400		3800		4200		5480	
AB	1800		2025		2240		2700		3350		3350		3050		3400		3750		4870	
AC	1400		1600		1800		2200		2500		2500		2500		2800		3000		4000	
AD	1500		1700		1880		2290		2800		2800		2600		2950		3150		4310	
AE	1200		1400		1600		1850		2100		2100		2200		2500		2800		3800	
BA	1300		1350		1400		1750		1800		1800		2100		2300		2550		2800	
BB	1000		1100		1200		1550		1450		1450		1940		2050		2200		2200	
BC	600		700		700		900		900		900		900		1000		1100		1200	
BD	2050		2100		2150		2500		2950		2950		3129		3750		3900		4170	
HA	800		800		800		900		1000		1000		1200		1200		1200		1810	
HB	380	330	420	370	450	400	500	450	550	450	550	450	550	450	600	500	600	500	800	700
HC	150	100	180	120	180	130	250	150	280	180	300	180	300	180	300	180	300	180	300	180
HD	3200	3125	4270	2070	3500	3400	3950	3800	4450	4240	4750	4520	5495	5265	6290	6040	6650	6410	7260	7111
HF	380		420		450		600		600		650		650		700		700		700	

Model	STE-80	STE-100	STE-160	STE-200	STE-250	STE-300	STE-400	STE-500	STE-600	STE-800	Model	A	B
Slider area(right and Left×front and back)	1200×520	1400×580	1600×650	1850×750	2100×900	2100×900	2200×900	2500×1000	2800×1200	3400×1400	a	22	28
T-slot mode	A	A	A	B	B	B	B	B	B	B	b	37	48
T groove spacing	125	125	150	150	200	200	300	300	300	300	d	16	20
											R	1	1

Standard Configuration

> Hydraulic overload protection device
> Electric slider adjusting device
> Variable frequency variable speed motor (adjustable speed)
> Electronic cam device
> 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
> Forced Thin Re-Circulating Oil Lubrication System Device

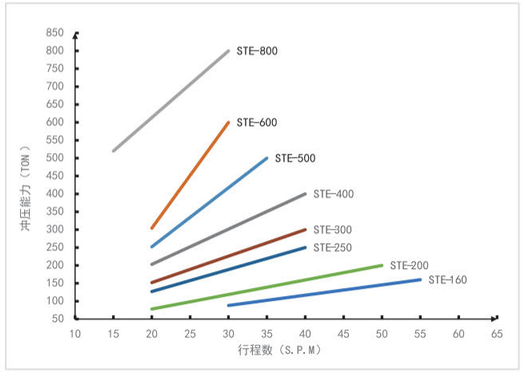
> Air blowing device
> Mechanical shockproof feet
> Mis-feeding detection device reserved interface
> Maintenance tools and toolbox
> Main motor reversing device
> Light Curtain (Safety Guarding)
> Wet Clutch
> Electric grease lubrication device
> Touch screen (pre-break, pre-load)
> Mobile electric control cabinet and console
> LED die lighting
> 8-Points Slide Guiding

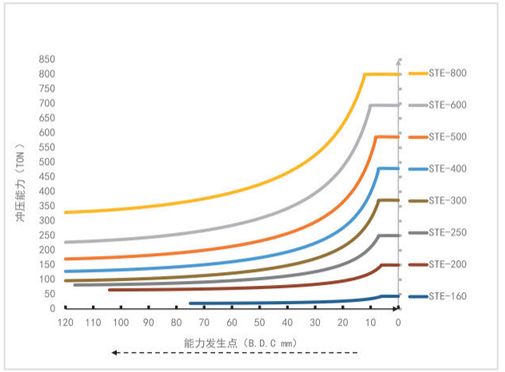
Optional Configuration

> Customization Per Customer Requirement
> Die Cushion
> Quick Die Change System
> Slide Knock Out Device
> Turnkey System with Coil Feedline and Automation System

> Foot Switch
> Electric Automatic Grease Lubrication Device
> Dry Clutch
> Anti-Vibration Isolator
> Tonnage Monitor

Capacity Graph





STF SERIES

- SAFETY
- STABLE
- PRECISION
- ENERGY SAVING
- AUTOMATION

300-1200TONS

Performance Features

STF series is Straight Side Tie Rod Frame Double Crank Presses (H-Frame Trisection-type Double Crank Mechanical Press Machine).
The tonnage capacity starts from 300 ton up to 1200 ton. The press is constructed with welded heavy boxed type frames, and it is pressurized with tie rods to 150% of press capacity for better deflection rating. Our center drive design maximizes the transmission performance and reduce inertias, which increase the service life of the press. STF series presses is great for large progressive stamping, through the windows 3-axis transfer stamping, and press to press robotic integrated applications.
STF series presses are produced by Qiaosen company, 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. Presses below 600 tons use pneumatic wet clutch brakes (unibody), while presses above 800 tons use dry clutch brakes (split-type). Adopting "8-Points Slide Guiding" ， its makes the presses has the characteristics higher accuracy and stronger stability.
Can be option equipped with Die Doors, Quick Die Change System, and Moving Bolster to make production safer, more efficient, and more convenient.

- The press frame is composed of three parts (top seat, middle platform body, and base), and finally connected with a reinforcing rod to form a solid lock.
- The frame and slider have high rigidity (deformation) of 1/9000: small deformation and long accuracy retention time.
- Presses below 600 tons use pneumatic wet clutch brakes (unibody), while presses above 800 tons use dry clutch brakes (split-type).
- The slider adopts 8-points slide guiding, which can bear large eccentric loads, ensuring long-term and stable maintenance of stamping accuracy.
- The slide rail adopts the "high-frequency quenching" and "rail grinding process": low wear, high precision, long accuracy retention time, and improved mold service life.
- Adopting a forced thin oil circulation lubrication device: energy-saving, environmentally friendly, equipped with automatic alarm function, which can increase the stamping frequency by adjusting the oil volume.
- The crankshaft is made of high-strength alloy material 42CrMo, which is 1.3 times stronger than 45 steel and has a longer service life.
- The copper sleeve adopts tin phosphorus bronze ZQSn10-1, which has a strength 1.5 times higher than ordinary BC6 brass. It adopts a highly sensitive hydraulic overload protection device, which can effectively protect the service life of the punching machine and mold.
- Standard Japanese SMC pressure regulating valve, oil mist filter, and air filter.
- Standard configuration: German Siemens touch screen and Siemens motor.
- Optional die cushion.
- Optional Moving bolster

Standard Configuration

- Hydraulic overload protection device
- Electric slider adjusting device
- Variable frequency variable speed motor (adjustable speed)
- Electronic cam device
- 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
- Forced Thin Re-Circulating Oil Lubrication System 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)
- Wet Clutch
- Electric grease lubrication device
- Touch screen (pre-break, pre-load)
- Mobile electric control cabinet and console
- LED die lighting
- 8-Points Slide Guiding

Optional Configuration

- Customization Per Customer Requirement
- Die Cushion
- Quick Die Change System
- Turnkey System with Coil Feedline and Automation System
- Tonnage Monitor
- Die Doors
- Moving bolster
- Anti-Vibration Isolator

Technical Parameters

Name	Unit	STF-300		STF-400		STF-500		STF-600		STF-800		STF-1000		STF-1200	
Mode		S-type	H-type	S-type	H-type	S-type	H-type	S-type	H-type	S-type	H-type	S-type	H-type	S-type	H-type
Press capacity	Ton	300		400		500		600		800		1000		1200	
Rated tonnage point	mm	8	4	8	4	9	5	10	5	12	6	13	7	13	7
Slide strokes per minute	S.P.M	20~40	30~60	20~40	30~60	20~40	30~60	20~40	30~60	15~30	25~50	10~25	20~40	10~25	20~40
Slide stroke length	mm	300	150	300	150	300	150	300	150	350	150	400	200	400	200
Max die height	mm	600	500	650	550	650	550	700	600	800	650	900	700	1000	800
Slide adjustment amount	mm	150		150		150		200		200		250		250	
Platform size(optional)	1	2500*1200		2800*1300		3200*1500		3200*1500		3200*1500		3500*1600		3500*1600	
	2	2800*1300		3200*1400		3500*1500		3500*1500		3500*1600		4000*1600		4000*1600	
	3	3200*1400		3600*1400		3800*1600		4000*1600		4000*1600		4500*1600		4500*1600	
Side opening	mm	900*650		1100*700		1200*700		1200*750		1400*850		1600*950		1600*1050	
Main motor power	KW*P	37*4		45*4		55*4		75*4		90*4		110*4		132*4	
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	

H-FRAME STRAIGHT SIDE ECCENTRIC GEAR PRESSES

STN SERIES

- SAFETY
- STABLE
- PRECISION
- ENERGY SAVING
- AUTOMATION

300-1600TONS

Performance Features

STN series is Straight Side Tie Rod Frame 2-Point & 4-Point Mechanical Eccentric Gear Press Machine.

This series presses are large stroke length, which are great for large stamping parts. Application such as appliances panels or automotive body panels parts are commonly stamped on these press machine. It can also be used on any type of application where long forming or drawing is required. It is common that in the production it would requires robotic system or 3-axis transfer systems devices to transfer parts between presses, so the long stroke also serve as time window for the parts handling systems. QIAOSEN STN Press is great for large progressive stamping, through the windows 3-axis transfer stamping, and press to press robotic integrated applications.

STN series presses are produced by Qiaosen machinery, 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.

Adopting "8-Points Slide Guiding" , its makes the presses has the characteristics higher accuracy and stronger stability.

Can be option equipped with Die Doors, Quick Die Change System, and Moving Bolster to make production safer, more efficient, and more convenient.

- The press frame is composed of three parts (top seat, middle platform body, and base), and finally connected with a reinforcing rod to form a solid lock.
- The frame and slider have high rigidity (deformation) of 1/9000: small deformation and long accuracy retention time.
- Presses below 600 tons use pneumatic wet clutch brakes (unibody), while pesses above 800 tons use dry clutch brakes (split-type).
- The slider adopts 8-points slide guiding, which can bear large eccentric loads, ensuring long-term and stable maintenance of stamping accuracy.
- The slide rail adopts the "high-frequency quenching" and "rail grinding process": low wear, high precision, long accuracy retention time, and improved mold service life.
- Adopting a forced thin oil circulation lubrication device: energy-saving, environmentally friendly, equipped with automatic alarm function, which can increase the stamping frequency by adjusting the oil volume.
- The crankshaft is made of high-strength alloy material 42CrMo, which is 1.3 times stronger than 45 steel and has a longer service life.
- The copper sleeve adopts tin phosphorus bronze ZQSn10-1, which has a strength 1.5 times higher than ordinary BC6 brass. It adopts a highly sensitive hydraulic overload protection device, which can effectively protect the service life of the punching machine and mold.
- Standard Japanese SMC pressure regulating valve, oil mist filter, and air filter.
- Standard configuration: German Siemens touch screen and Siemens motor.
- Optional die cushion.
- Optional Moving bolster

Standard Configuration

> Hydraulic overload protection device
> Electric slider adjusting device
> Variable frequency variable speed motor (adjustable speed)
> Electronic cam device
> 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
> Forced Thin Re-Circulating Oil Lubrication System 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)
> Wet Clutch
> Electric grease lubrication device
> Touch screen (pre-break, pre-load)
> Mobile electric control cabinet and console
> LED die lighting
> 8-Points Slide Guiding

Optional Configuration

> Customization Per Customer Requirement
> Die Cushion
> Quick Die Change System
> Turnkey System with Coil Feedline and Automation System
> Tonnage Monitor
> Die Doors
> Moving bolster
> Anti-Vibration Isolator

Technical Parameters

Name	Unit	STN-300	STN-400	STN-500	STN-600	STN-800	STN-1000	STN-1200	STN-1600
Mode		S-type	S-type	S-type	S-type	S-type	S-type	S-type	S-type
Press capacity	Ton	300	400	500	600	800	1000	1200	1600
Rated tonnage point	mm	13	13	13	13	13	13	13	13
Slide stroke length	mm	400	400	500	500	600	600	800	800
Slide strokes per minute	S.P.M	15~30	15~30	10~25	10~25	10~20	10~20	10~18	10~18
Max die height	mm	800	900	1000	1000	1100	1100	1200	1200
Slide adjustment amount	mm	300	300	400	400	400	400	500	500
Platform size(optional)	1	2500*1200	2800*1300	3200*1500	3200*1500	3200*1500	3500*1600	3500*1600	3500*1600
	2	2800*1300	3200*1400	3500*1500	3500*1500	3500*1600	4000*1600	4000*1600	4000*1600
	3	3200*1400	3600*1400	3800*1600	4000*1600	4000*1600	4500*1600	4500*1600	4500*1600
Trolley Height	mm	600	600	650	650	650	750	750	750
Side opening	mm	900*650	1100*700	1200*700	1200*750	1400*850	1600*950	1600*1050	1600*1050
Main motor power	KW*P	45*4	55*4	75*4	90*4	110*4	132*4	160*4	185*4
Air pressure	kg*cm²	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

STA SERVO SERIES

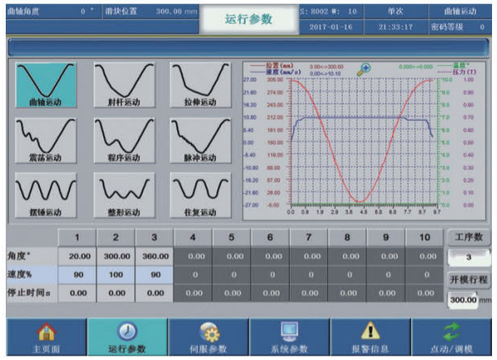
- SAFETY
- STABLE
- PRECISION
- ENERGY SAVING
- AUTOMATION

80-315TONS

Performance Features

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

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

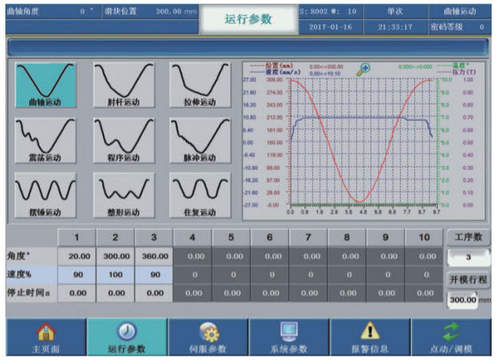
Technical Parameters

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 zeroload （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*cm²	6	6	6	6	6	6
Press accuracy grade	Grade	JIS 1	JIS 1	JIS 1	JIS 1	JIS 1	JIS 1

We will research and improve all the machines at any time. If all sizes and design features specified by the catalog change, there will be no further notice.

Performance Features

QIAOSEN Servo presses: STC-sv series is c-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
- 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 punching presses and die.
- 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
> 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

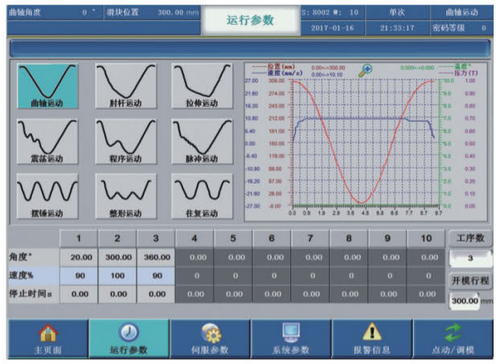
Technical Parameters

Specifications	Unit	STC-110sv	STC-160sv	STC-200sv	STC-250sv	STC-315sv
Press capacity	Ton	110	160	200	250	315
Impact force location	mm	4	5	5	5.5	6
Slider strokes per minute (S.P.M)	Swing mode	~100	~100	~95	~70	~65
Slider strokes per minute (S.P.M)	Full stroke	~50	~50	~50	~40	~40
Slider stroke length	mm	180	200	250	280	280
Max mold height	mm	400	450	500	550	550
Slider adjustment amount	mm	100	100	120	120	120
Slide size	mm	1400*500*70	1600*550*70	1850*650*95	2100*700*95	2200*700*95
Bolster platform size	mm	1800*650*130	2000*760*150	2400*840*170	2700*900*170	2800*900*190
Main servo motor torque	Nm	5000	9000	12500	16000	20500
Air pressure	kg*cm²	6	6	6	6	6
Press accuracy grade	Grade	JIS 1	JIS 1	JIS 1	JIS 1	JIS 1

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

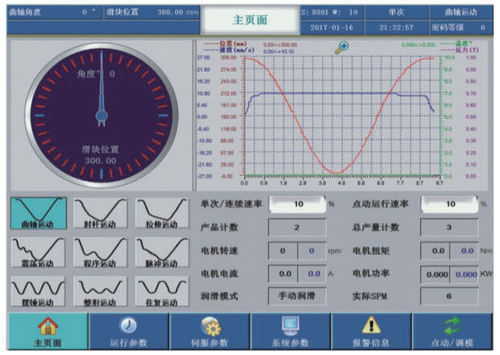
> Customization Per Customer Requirement
> Die Cushion
> Turnkey System with Coil Feedline and Automation System
> Quick Die Change System
> Slide knock out device
> Safety Die Door
> Electric grease lubrication device
> Anti-Vibration Isolator
> Tonnage Monitor

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

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.



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- The standard configuration is high-precision bearing and Japanese NOK seal.
- 15.6 inch touch screen
- Optional Die Cushion.

Performance Features 2

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Standard Configuration

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> 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

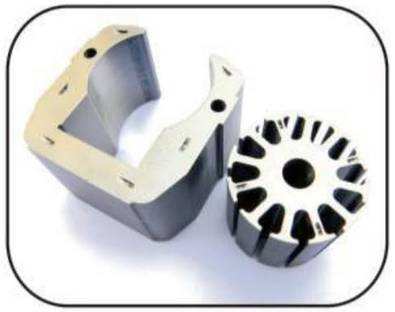
Technical Parameters

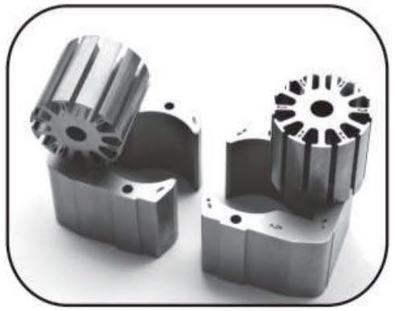
Specifications	Unit	STE-160sv	STE-200sv	STE-250sv	STE-300sv	STE-400sv	STE-500sv	STE-600sv	STE-800sv
Capacity	Ton	160	200	250	300	400	500	600	800
Rated tonnage point	mm	5	5	5.5	5.5	6	7	8	9
Slider strokes per minute (S.P.M)	Swing mode	~100	~100	~75	~70	~60	~60	~60	~50
Slider strokes per minute (S.P.M)	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

STS SERIES

- SAFETY
- STABLE
- PRECISION
- ENERGY SAVING
- AUTOMATION

16-85TONS





Performance Features

STS series is QIAOSEN C-Frame High Speed Press Machine, it's designed for stamping production of electronic components and electronic connection terminals.

STS series presses are produce by Qiaosen presses, which built to meet or exceed JIS Class 1 accuracy standards . The frame of the machine is made of high-strength cast iron, which is most suitable for continuous punching and forming production because of its stable material and constant precision after internal stress relief. which can make the press machine have minimizing deflection and high accuracy and provide increased tool life.

- The frame of the machine is made of high-strength cast iron, which is most suitable for continuous punching production because of its stable material and constant precision after internal stress relief.
- The structure of double guide pillars and one central pillar is adopted. The copper sleeve with special alloy is used to replace the traditional sliding plate structure, so that the dynamic friction is reduced to the minimum. The forced lubrication is used to minimize the thermal deformation and achieve the highest accuracy.
- Optional anti side dynamic balancing device can reduce vibration, so that the press has the best accuracy and stability.
- Die height adjustment, with mold height display and oil pressure locking device, is convenient for mold adjustment operation.
- The man-machine interface is controlled by microcomputer, and the numerical value and fault monitoring system are displayed on the screen, which is convenient for operation.

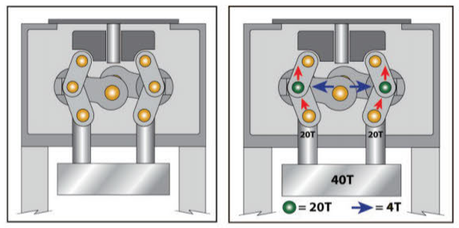
Technical Parameters

Name	Unit	STS-16T		STS-25T		STS-45T		STS-60T		STS-65T		STS-85T	
Press capacity	Ton	16		25		45		60		65		85	
Slide stroke length	mm	20	30	20	30	25	30	30	40	30	40	30	40
Slide strokes per minute	S.P.M	200-900	200-700	200-900	200-800	200-800	200-700	200-700	200-600	200-700	200-600	200-800	200-700
Die height	mm	185-215	180-210	185-215	180-210	213-243	210-240	215-255	210-250	215-265	210-260	315-365	310-360
Slide adjustment amount	mm	30		30		30		40		50		50	
Bolster size	mm	430*280*70		600*330*80		680*455*90		890*540*110		890*580*130		1100*680*120	
Slide size	mm	300*185		320*220		420*320		600*400		600*400		900*450	
Blank-holding hole	mm	90*250*330		100*300*400		100*400*500		120*450*600		150*450*550		150*680*820	
Main motor	kw	3.7		3.7		5.5		7.5		11		18.5	

MARX SERIES

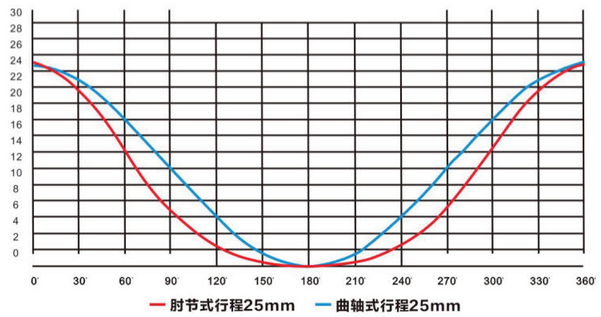
- SAFETY
- STABLE
- PRECISION
- ENERGY SAVING
- AUTOMATION

30-80TONS

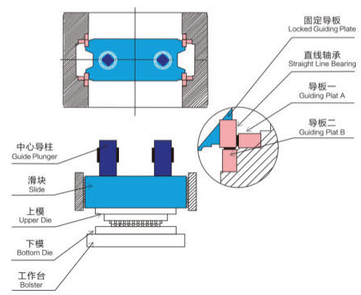


Perfect Stamping Effect

Horizontally symmetrical symmetrical toggle linkage design ensurethe slider movingsmoothly near the bottom dead center and achievea perfect stampingresult,which meets the stamping requirements oflead frame and otherproducts . Meanwhile ,the motion mode of theslider reduces the impact onthe mould at the time of high-speed punching, and prolongs the mould service life.



CURVE COMPARISON



STRUCTURE DIAGRAM

Performance Features

MARX series is Knuckle-Joint High Speed Press Machine， it's designed for stamping processes such as deep drawing, pressure holding, and high-precision forming.
QIAOSEN knuckle Joint presses, which built to meet or exceed JIS Class 1 accuracy standards. The frame of the machine is made of high-strength cast iron, which is most suitable for continuous punching, drawing and forming production because of its stable material and constant precision after internal stress relief. which can make the press machine have minimizing deflection and high accuracy and provide increased tool life.

- Design with horizontally symmetrical knuckle-joint that can ensure the slide motion to proportionally increase the work force while slide low down during working part of the die, which produce higher surface finish and near finished parts, which increase customer's productivity.
- This type can meets the stamping requirements of lead frame and other precision forming stamping parts.
- The special motion curve of the slide reduces the violent impact on the stamping tools at the time of high-speed stamping and prolongs the tools service-life.
- Adopting "8-Points Slide Guiding" ， which can make the press machine have minimizing deflection and high accuracy and stronger stability.

Technical Parameters

Specifications	Unit	MARX-30T				MARX-40T				MARX-60T				MARX-80T			
Press capacity	Ton	30				40				60				80			
Slider stroke length	mm	16	20	25	30	16	20	25	30	20	25	32	40	20	25	32	40
Slider strokes per minute	Spm	200-1250	200-1200	200-1050	200-900	180-1250	180-1100	180-950	180-900	100-750	100-750	100-650	100-550	120-600	120-500	120-500	120-450
Die height	mm	190-240				190-240				220-300				240-320			
Bolster area	mm	600*400				750*500				1100*600				1500*800			
Slider size	mm	600*300				750*340				1130*500				1380*580			
Adjustment amount	mm	50				50				80				80			
Opening size of bolster	mm	400(UP)*350(LOW)*60				500*100				800(UP)*700(LOW)*100				1160(UP)*1160(LOW)*120			
Main motor	KW	11				15				22				30			
Total weight	Kg	6500				8000				14000				22000			

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DDH SERIES

Computer Controller

Easy to Operate · Powerful Functions

Our computer controller is designed specifically with the punching process in mind. Its ease of use and power are derived from a rich set of special functions, simple interface, mode setting in checklist form, error code display, and ample memory capacity.








- The internal oil circuit of the crankshaft is designed to restrain the thermal deformation of the crankshaft.
- The press has its own special technology to control the clearance.
- Adjustable gaskets to restore equipment accuracy with minimal cost.
- The frame pull rod and slide guide are integrated, and the structure is compact and reasonable. The slide guide is guided by ball, with high precision.
- Hydraulic locking rod, the stability can be maintained for a long time.
- The separate clutch brakes on both sides balance the force on the crankshaft and reduce bearing wear.
- The rigidity of the press frame shall be strictly controlled by 1/15000, and the frame material shall be strictly controlled by QT500-7.

Performance Features

DDH series is QIAOSEN H-Frame High Speed Press Machine, it's designed for stamping production of stator rotor stamping(Motor Core Lamination). DDH series presses are produce by Qiaosen machine, which built to meet or exceed JIS Class 1 accuracy standards. The frame of the machine is made of high-strength cast iron, which is most suitable for continuous punching and forming production because of its stable material and constant precision after internal stress relief. which can make the press machine have minimizing deflection and high accuracy and provide increased tool life.

Technical Parameters

Specifications	Unit	DDH-45	DDH-65	DDH-85	DDH-125T	DDH-220T	DDH-300T	DDH-400	DDH-500
Press capacity	tons	45	65	85	125	220	300	400	500
Rated tonnage point	mm	1.6	2	2	2	2	2	2	3.2
Slider stroke length	mm	30	30	30	30	30	30	30	40
Slider strokes per minute	s.p.m	500-1800	500-1800	500-1800	300-1200	300-1200	300-900	80-250	60-150
Bolster area	mm	750*550	950*650	1100*750	1400*850	1900*950	2300*1000	2800*1200	3200*1500
Bed opening	mm	550*125	700*125	800*150	1100*200	1400*250	1900*300	2300*400	2700*400
Slide area	mm	750*380	950*420	1100*500	1400*600	1900*700	2300*1000	2800*1000	3200*1500
Die height adjustment stroke	mm	240-290	300-350	330-380	360-410	370-420	400-450	460-520	500-550
The mode height adjustment motor	kw	0.4	0.4	0.75	0.75	1.5	2.2	3.7	3.7
Outline Dimension	mm	1810*1510*2665	2010*1660*2950	2180*1680*3405	2350*1800*3550	3060*1940*4505	3550*2100*5340	4260*2300*5585	4840*2330*5865
Main motor	kw	15	19	22	37	45	55	75	75

We will research and improve all the machines at any time. If all sizes and design features specified by the catalog change, there will be no further notice.

MDH SERIES

- SAFETY
- STABLE
- PRECISION
- ENERGY SAVING
- AUTOMATION

30-65TONS

Standard Configuration

- > Universal frequency converter Adjustable speed main motorModular pneumatic clutch brake
- > Dynamic balancing device
- > The electronic cam switch
- > Sautomatic angle correction device
- > Electronic display (and speed)
- > Touch screen (switch in both chinese and english)
- > Electronic die height adjustment
- > Die height indicator
- > Safety die door
- > Hands start button
- > Micro inching can be forward (reverse)
- > Circulating oil
- > Material feeding device (with solenoid valve)
- > Electronic Control Cabinet (with rolling wheel) body console
- > Shock-proof floor mats
- > Air ejector (with solenoid valve) DC
- > All stop circuits
- > Die Lighting (LED)
- > Material Terminal stop switch (proximity)
- > Three groups of batch control
- > Misdirection function
- > The cumulative count function
- > Maintenance Kit
- > Motor reversing device
- > Oil temperature cooling unit
- > Air Control Unit

Optional Configuration

- > Roller feeder (○105 ○138)
- > Electronic disc
- > Precision leveling machine
- > Lower dead point detector
- > Chute control function
- > Clip-type feeder (○906○1512)
- > 3hp waste suction machine (with hopper)
- > Single side double reclaimer
- > Tonnage meter

Performance Features

MDH series is QIAOSEN Precision High Speed Press Machine, which built to meet or exceed JIS Class 1 accuracy standards. The frame of the machine is made of high-strength cast iron, which is most suitable for continuous punching, drawing and forming production because of its stable material and constant precision after internal stress relief. which can make the press machine have minimizing deflection and high accuracy and provide increased tool life.

- The press frame is made of international (GBT5612-2008) high-strength cast iron. After precise temperature control and tempering, the internal stress of the workpiece is naturally eliminated for a long time, so that the performance of the workpiece on the presses frame can reach the best state.
- The split H-frame structure prevents the opening of the press frame when loading, and realizes the processing of high-precision products.
- The crank shaft is forged with alloy steel and then processed by 4-axis Japanese machine. The reasonable processing and assembly process ensure that the machine tool has small deformation and stable structure during operation.
- The high-speed precision presses adopts a six cylinder guide structure to reasonably control the displacement and deformation between the workpieces. With the forced oil supply lubrication system, the fine and micro thermal deformation of the machine tool under long-term operation and eccentric load conditions can be minimized to ensure long-term high-precision product processing.
- The man-machine interface is controlled by microcomputer to realize the visual management of operation, and the product quantity and press status are clear at a glance (the central data processing system will be adopted, and a screen will know all the working conditions, quality, quantity and other data of the press).

Technical Parameters

Specifications	Unit	MDH-30T		MDH-45T			MDH-65T			
Press capacity	KN	30		45			65			
Slider stroke length	mm	20	30	20	25	30	20	30	40	50
Slider strokes per minute	Spm	200-1100	200-900	200-1100	200-1000	200-900	200-700	200-600	200-500	200-400
Die height	mm	240	235	270	270	265	260	255	250	245
Bolster area	mm	640*450		750*500			1000*650			
Slider size	mm	640*340		750*360			950*500			
Adjustment amount	mm	50		50			50			
Blank-holding hole	mm	100*400		100*500			140*650*800			
Main motor	HP	7.5		15			18.5			
Total weight	Kg	5000		7700			14000			


QIAOSEN
STE-400
XM-023
STE-400
STE-630
800T


ST-200


ST-200
QIAOSEN


ST-200
QIAOSEN
微研天隆
微研精密


QIAOSEN
STE-500
STE-500
STE-630


ST-200


QIAOSEN


ST-315


ST-200


QIAOSEN
STE-400


QIAOSEN
ST-260


ST-200


QIAOSEN
STA-110


STA-110


QIAOSEN
STE-600


STA-60


QIAOSEN
STE-400
QIAOSEN
STE-600


QIAOSEN
STD-500


QIAOSEN
ST-260