



門型直軸精密沖床 Housing-frame Single Crank Precision Power Press

HS1P-35 / 45 / 60 / 80 / 110 / 160 / 200 / 300 / 400~1000
35~1000 tons
(500 tons 以上客製化 Customized 500 tons and up)



千昌機械股份有限公司
CHIAN CHANG MACHINE CO.,LTD.

HS1P系列特點說明：

- ▶ 先進多功能控制器：本系列沖床採用專為工業控制所設計之可程式控制器(PLC)作為控制核心，沖床動作更為穩定且安全。控制方式已完全數位化，經由譯碼器同步監控系統狀態，自操作面板上的燈號及電子數字顯示幕即可得知動作狀態，而直接在操作面板上輸入想要動作的角度即可改變輸出結果，免除了傳統PLC及繼電器迴路須自凸輪箱調整角度之不便。
- ▶ 高品質，使用年限長：機架採剛性極佳之鋼板焊接而成，並經退火熱處理，承受力及延展性極佳，堅實耐用。寬長型導軌採耐磨性極佳之磷青銅製造而成，能確保滑塊精準運作、保護模具完整及延長模具使用年限。
- ▶ 精度準確：經由電子式模高指示器裝置可精確地讀取模具高度及深度。HS1P-80~400噸沖床指示精度可達0.1MM單位。
- ▶ 超負荷安全裝置：沖床沖頭裝有沖壓式超負荷安全保護裝置，用以保護沖床及模具之安全，無咬模之顧慮。
- ▶ 適用範圍廣泛：本系列沖床滑塊底面積及平板面積寬廣，工作範圍大。沖壓作業安全、迅速、完美，適合各種汽機車零件、電腦零件、電器五金及機械零件等之抽拉、沖壓作業。

Features for HS1P Series:

- ▶ Advanced Multifunctional Controller: The machine control is completely digitized and can simultaneously monitor the system status by an encoder. The lights and the digital screens on the operation panel can indicate the state of any movement. Direct input of the desired movement angles on the operation panel can change the output results, which avoids the inconvenience with the angle adjustment from the cam box for conventional PLC and relay loop.
- ▶ High Quality, Long Service Life: The machine frame is welded with steels of excellent rigidity and treated by annealing, so it is very tough, ductile, strong and durable. Its wide and long guide rails are made of phosphor bronze with very good wearability, so they can ensure the precise movement for the slide, protect the integrity of the dies and extend the life of dies.
- ▶ High Precision: Electronic die height indicators can precisely read die height. It is indicated digitally in 0.1MM units for presses HS1P-80 ~ 400 tons.
- ▶ Hydraulic Overload Protector: When an overload occurs, the press is stopped instantly to protect the die and the press, without the concerns about die jam.
- ▶ Extensive Scope of Application: The series of presses have broad area for slide bottoms and bolster, so the working range is large and punching operation is safe, fast and flawless. The presses are suitable for the drawing and punching operation with various automotive and motorcycle components, computer parts, appliance parts, hardware and machine components.

SENSON



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標準型配件 Standard Accessories

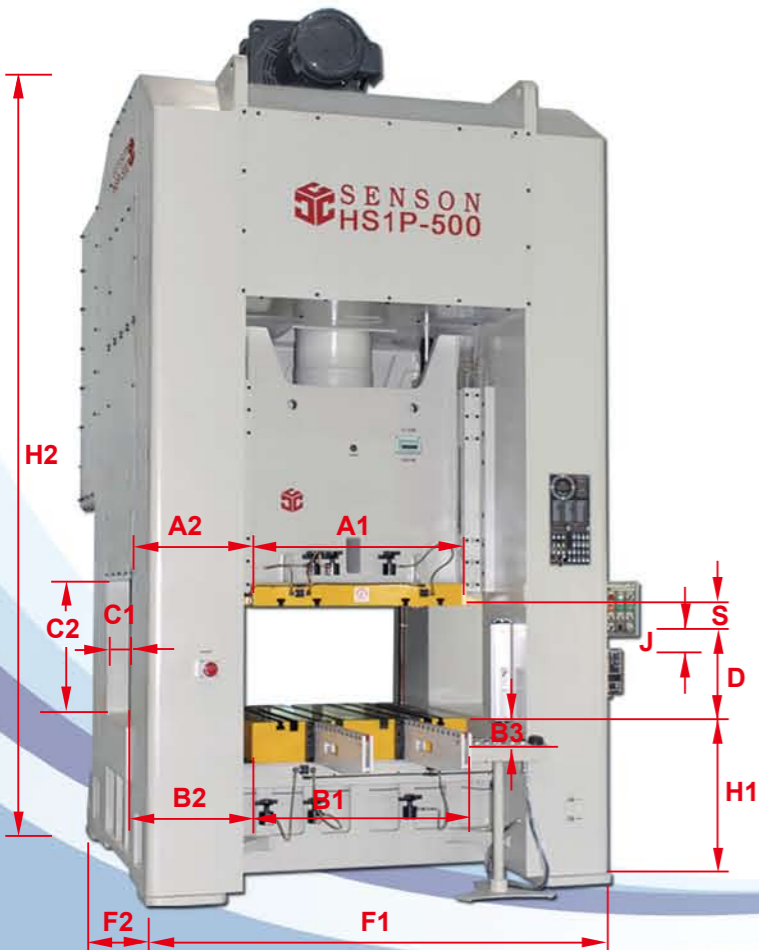
- ▶ 選擇開關(切、寸動、單動、安全一行程、連續)
Operation mode ("off", "inching"/"single"/"safe single"/"continuous")
- ▶ 複合氣壓式剎車離合器
Compound clutch & brake
- ▶ 滑塊及模具平衡裝置
Counter balancer(Equilibrating cylinders)
- ▶ 電動式滑塊調整裝置
Motorized slide adjuster
- ▶ 數字式模高指示器
Die height indicator
- ▶ 前一日/前一個月/前一年產量紀錄備查
Pre-date/month/year production performance recorder
- ▶ 譯碼器
Encoder
- ▶ 360° 曲軸角度LED指示器
Crank angle LED display
- ▶ 沖床轉數顯示器
S.P.M. display
- ▶ 批量計數器(可預調,6位數)
Product lot counter (Preset,6-digit)
- ▶ 總量計數器(可預調,6位數)
Total counter(Preset,6-digit)
- ▶ 剎車角度監視裝置
Brake angle monitor device
- ▶ 截斷輸出裝置2組
Cutting outlet:2-set
- ▶ 備用電子式凸輪5組
可自由規劃角度功能輸出
Spare electronic rotary cams:5-set
- ▶ 定期里程保養自動檢知
Mileage maintenance reminder
- ▶ 電動黃油加油器
Auto grease pump
- ▶ 變頻器(國外採:無段變速V.S.馬達)
Inverter(or Variable speed V.S. motor -for overseas market)
- ▶ 主馬達正轉/逆轉裝置
"FOR." & "REV." modes for main motor
- ▶ 自動送料軸(在左側,送料方向:左→右)
Power take-off feed shaft (feed direction:left→right)
- ▶ 空氣源插座
Air source socket
- ▶ 電源插座110V,5A(國外採:220V,5A)
Power socket 220V,5A(for overseas market)
- ▶ 移動式按鈕操作箱
Portable push button operation stand
- ▶ 腳踏開關
Foot switch
- ▶ 空氣吹料裝置
Air ejector
- ▶ 防震腳墊
Rubber mount (Shock absorber)
- ▶ 維護工具及工具箱
Maintenance tools with box
- ▶ 操作保養說明書
Operation Manual

安全裝置保護人身或模具：
Safety devices for protecting workers or tools:

- 油壓式超負荷保護裝置
Hydraulic overload protector
- 誤送檢知迴路4組(2A,2B)
Mis-feed detective circuit: 4-set (2A,2B)
- 二度落防止裝置
Anti-repeat device (Overrun detector)
- 光電護手安全裝置(選擇配件)
Safety light curtain(Optional accessory)

選購配件Optional Accessories

- ▶ 光電護手安全裝置
Safety light curtain
- ▶ 氣壓式模墊
Pneumatic die cushion
- ▶ 油壓式模墊
Hydraulic die cushion
- ▶ 空氣送料機
Air feeder
- ▶ 滾輪送料機
Roll feeder
- ▶ 自動材料整平機或材料架
Auto material straighter
- ▶ 快速換模裝置, 如移模臂、抬模器...等
Quick die change system: die lifter, die arm, etc



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規格表 (500 tons以上客製化規格) SPECIFICATION (Specifications of customized 500 tons and up)

型號 Model Number	HS1P-35	HS1P-45	HS1P-60	HS1P-80	HS1P-110	HS1P-160	HS1P-200	HS1P-300	HS1P-400									
沖壓能力(噸) Capacity(tons)	35	45	60	80	110	160	200	300	400									
行程(mm) * S * Slide Stroke Length *S*	80	40	100	50	120	60	130	70	160									
每分鐘沖數 Strokes Per Minute (Variable Speed)	70 110	80 140	60 100	70 130	50 85	60 120	40 75	55 110	40 75	50 100	35 65	45 80	30 50	35 70	25 45	30 55	22 40	30 50
能力發生位置 Tonnage Rating Point(mm)	3.2	3.5	4	5	6	6	7	7	8									
閉合高度(下死點至平板距離) Shut Height (S.D.A.U)(mm) *D*	250	270	300	320	350	360	400	500	650									
滑塊調整量 * J * Slide Adjustment(mm) *J*	50	60	75	80	90	100	110	130	160									
滑塊底面積 * A1 * A2 * Slide Bottom Area(mm)*A1XA2*	700×400	760×420	900×480	1020×560	1120×600	1200×620	1260×700	1300×860	1400×1000									
台盤(平板)面積 * B1 * B2 * Bolster Area(mm)*B1XB2*	780×400	820×460	1000×580	1120×620	1220×680	1300×700	1360×780	1400×980	1560×1200									
台盤(平板)厚度 * B3 * Bolster Thickness(mm)*B3*	90	100	115	130	150	165	180	200	220									
作業面高度 * H1 * Work Heigh(mm)*H1*	780	780	790	820	860	880	960	980	1100									
機架側孔面積 * C1 * C2 * Frame Side Hole Area(mm)*C1XC2*	300×400	360×430	400×420	460×460	480×500	560×580	620×640	680×700	780×780									
機器尺寸 * F1 * F2 * Overall Size(mm)*F1XF2*	1100×1120	1200×1160	1300×1300	1420×1400	1600×1600	1700×1680	1800×1780	1880×1860	1980×1960									
機器總高度 * H2 * Overall Height(mm)*H2*	2450	2600	2700	2960	3080	3300	3500	4000	4500									
主馬達(變速)(KW×P) Main Motor(Variable Speed)(KW×P)	3.7×4	3.7×4	5.5×4	7.5×4	11×4	15×4	19×4	30×4	37×4									
滑塊調整馬達(KW×P) Slide Adjust Motor(KW×P)	0.4×4	0.4×4	0.4×4	0.75×4	0.75×4	0.75×4	1.5×4	2.2×4	3.7×4									
使用空氣壓力 Air Pressure(kgf/cm ²)	5	5	5	5	5	5	5	5	5									

PS: 規格如變更不另通知, 以實際出廠產品規格為主。(依據客戶需要, 製造所需規格。)
PS: Based on the main factory production, rights of modification reserved. (Based on consumer requirement, make a specification.)