

直壁式雙曲軸沖床

Straight Side Double Crank Press



SH2 series



SH2-110

SH2-250

SH2-160

SH2-300

SH2-200

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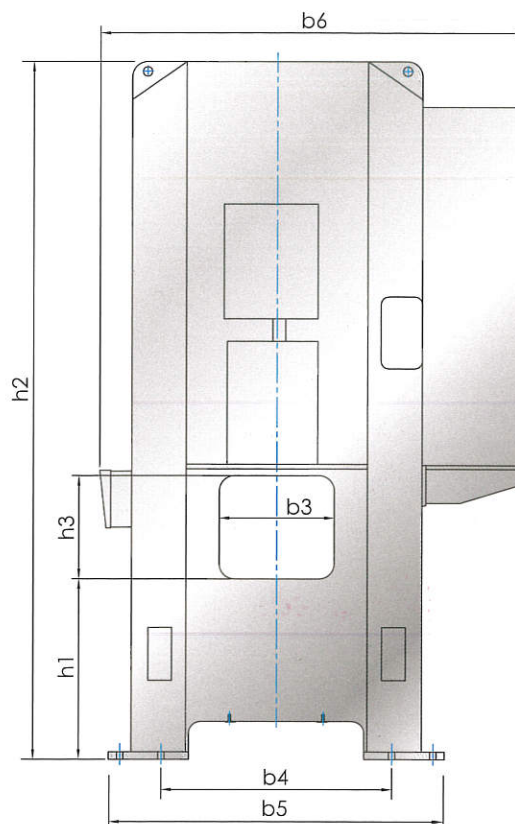
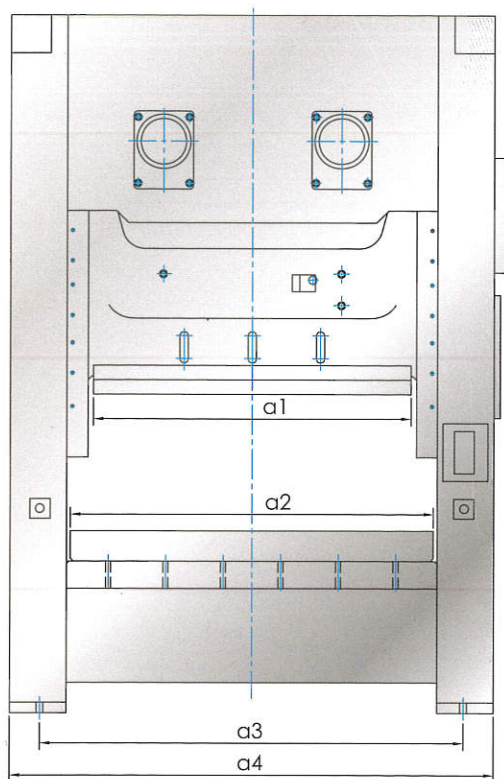
興泰直壁式雙曲軸沖床 SH2系列

SHING TAI STRAIGHT SIDE DOUBLE CRANK PRESS SH2 SERIES

 主要規格和尺寸 **Main Specification & Dimension**

型 式		Model		SH2-110		1
				1	2	
能 力		Capacity	ton	110		
能力發生位置（下死點上）		Tonnage rating point (above B.D.C.)	mm	5		
行 程		Stroke length	mm	110	180	130
每 分 鐘 行 程 數		Stroke per minute	S.P.M	50 ~ 110	35 ~ 70	40 ~ 9
模 高		Die height, slide to bolster	mm	350	400	400
滑 塊 調 整 量		Slide adjustment	mm	90		
滑 塊 面 積 (a1xb1)		Slide area (a1xb1)	mm	1360 x 520		
平 板 面 積 (a2xb2)		Bolster area (a2xb2)	mm	1660 x 680		
平 板 厚 度		Bolster thickness	mm	155		
側 邊 開 口 尺 寸 (b3xh3)		Side opening (b3xh3)	mm	700 x 285	700 x 335	780 x 3
約 略 尺 寸	工 作 高 度 h1	Bolster surface height h1	mm	900		
	機 架 總 高 度 h2	Press overall height h2	mm	3115	3200	3260
	地 基 螺 絲 (a3xb4)	Position of anchor bolt (a3xb4)	mm	1950 x 1150		
	機架佔地面積 (a4xb5)	Floor space required (a4xb5)	mm	2240 x 1700		
	機械最大尺寸 (a4xb6)	Max. measurement of press(a4xb6)	mm	2240 x 2460		
主 電 動 機		Main motor	HP x p	15 x 4		
氣 壓		Required air pressure	kg/cm ²	5		

SH2 series 約略尺寸 **Approx. Dimensions**

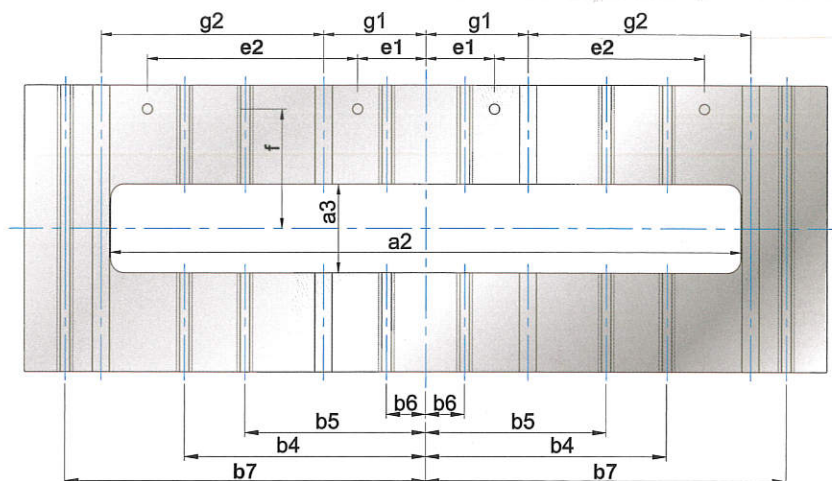


SH2-160		SH2-200		SH2-250		SH2-300	
	2	1	2	1	2	1	2
160		200		250		300	
6		7		7		6	
	200	150	250	170	280	200	300
	30 ~ 60	35 ~ 75	25 ~ 50	25 ~ 60	20 ~ 40	20 ~ 50	15 ~ 35
	450	450	500	450	550	600	650
100		110		120		130	
1500 x 580		1850 x 650		2100 x 700		2400 x 900	
1800 x 760		2150 x 840		2400 x 920		2600 x 1200	
165		170		180		200	
5	780 x 375	860 x 365	860 x 415	940 x 355	940 x 455	1220 x 530	1220 x 580
900		1000		1100		1150	
	3345	3700	3800	4100	4255	4420	4520
270 x 1300		2620 x 1400		2920 x 1500		3260 x 1650	
530 x 1650		2900 x 1750		3200 x 1850		3560 x 2100	
530 x 2368		2900 x 2583		3200 x 2703		3500 x 2978	
20 x 4		30 x 4		40 x 4		50 x 4	
5		5		5		5	

本規範如有變更不另行通知 / ABOVE SPECIFICATION IS SUBJECT TO CHANGE WITHOUT PRIOR NOTICE

SH2 series 標準平板尺寸 Standard Bolster Dimensions

平板表面圖 Bolster surface

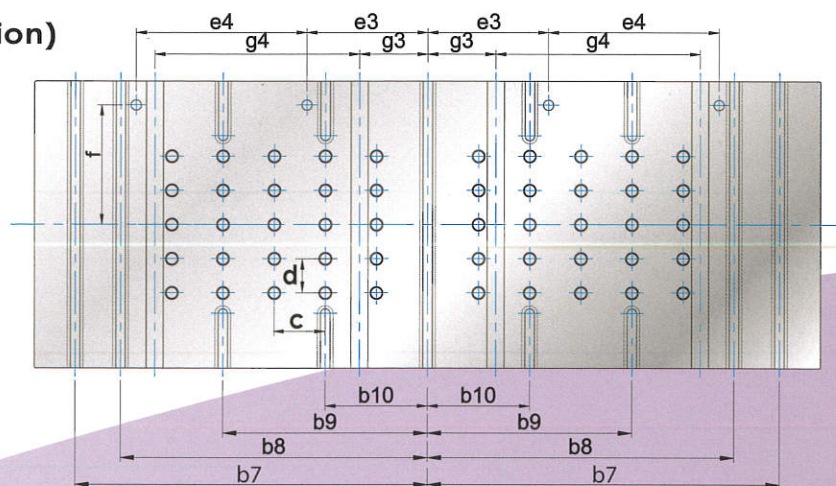


規範 Specification

		SH2-110	SH2-160	SH2-200	SH2-250	SH2-300
平板面積 Bolster area (L.R×F.B)		1660*680	1800*760	2150*840	2400*920	2600*1200
T型槽尺寸 Dimension of T slot	尺寸 Dimensions	24	28	28	28	28
	T型槽數 Numbers of T slot	6	6	6	7	8
平板外觀尺寸 Dimension of Bolster surface	a2*a3	1360*180	1500*200	1850*260	2100*300	2250*300
	b4	615	630	805	900	750
	b5	375	450	575	600	450
	b6	75	90	115	300	150
	b7	—	—	—	—	1050
	e1	120	225	290	350	200
	e2	330	485	570	780	800
舉模位置尺寸 Die lifter dimensions	f	275	315	350	375	470
	g1	175	280	345	400	250
	g2	350	495	605	675	700

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平板表面圖 (模具氣墊用) Bolster surface (with die cushion)



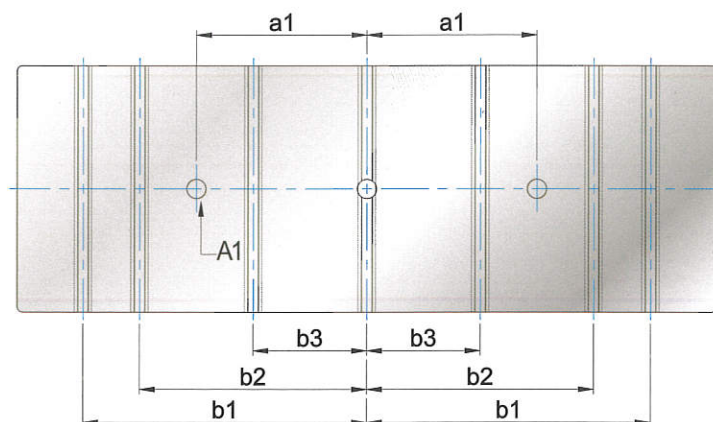
規範 Specification

		SH2-110	SH2-160	SH2-200	SH2-250	SH2-300
模具氣墊用 Bolster surface (with die cushion)	T型槽數 Numbers of T slot	3(5)	3(7)	3(7)	5(9)	3(7)
	銷孔 Pin hole	4*4*2(ø26)	4*4*2(ø32)	5*5*2(ø32)	5*5*2(ø32)	5*5*2(ø32)
	c*d	90*90	100*100	150*100	150*100	150*100
平板外觀尺寸 Dimension of Bolster surface (with die cushion)	b7	—	—	—	1050	—
	b8	—	—	900	900	1050
	b9	600	600	600	600	700
	b10	—	300	300	300	350
	e3	175	235	355	145	225
舉模位置尺寸 Die lifter dimensions	e4	360	280	500	710	750
	f	275	315	350	375	470
	g3	120	175	200	200	150
	g4	360	525	600	600	750

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SH2 series 標準滑塊尺寸 Standard Slide Dimensions

滑塊墊板圖 Slide surface



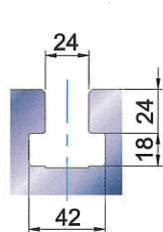
規範 Specification

		SH2-110	SH2-160	SH2-200	SH2-250	SH2-300
滑塊面積 Slide area(L.R×F.B)		1360*520	1500*580	1850*650	2100*700	2400*900
T型槽尺寸 Dimension of T slot	尺寸 Dimensions	24	28	28	28	28
	T型槽數 Numbers of T slot	5	5	7	7	7
滑塊墊板尺寸 Dimension of slide pad	A1	ø50.8*3	ø50.8*3	ø50.8*3	ø70*3	ø70*3
	a1	300	375	450	450	535
	b1	—	—	750	900	1050
	b2	450	600	600	600	700
	b3	300	300	300	300	350

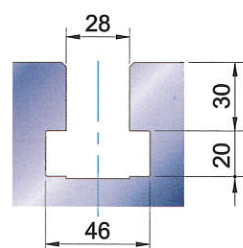
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相關機構尺寸 Relevant agencies Size

平板T型槽尺寸 Dimension of T slot(For Bolster)

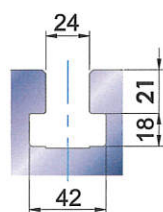


SH2-110適用
FOR SH2-110

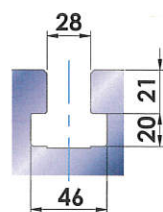


SH2-160~300適用
FOR SH2-160~300

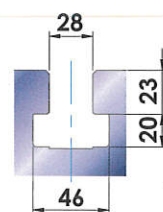
滑塊墊板T型槽尺寸 Dimension of T slot(For Slide)



SH2-110適用
FOR SH2-110

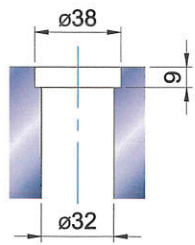
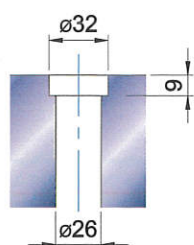


SH2-160適用
FOR SH2-160

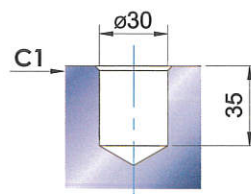


SH2-200~300適用
FOR SH2-200,300

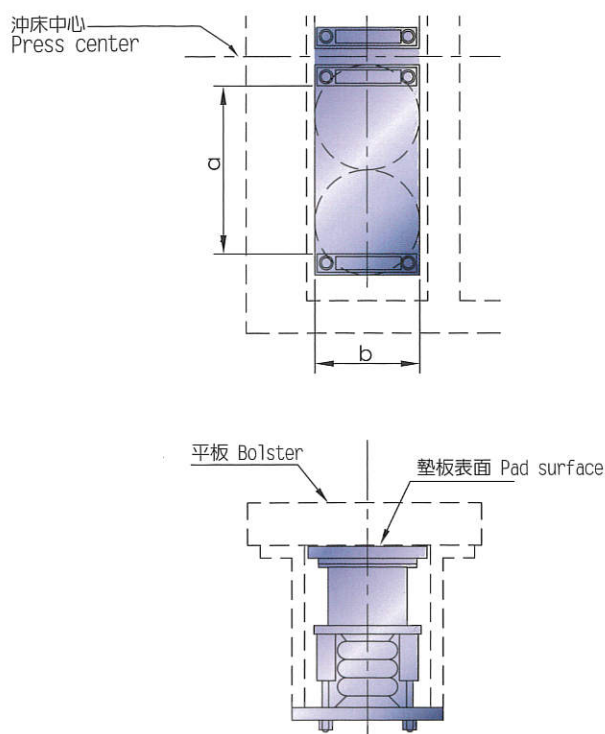
氣墊銷孔 Cushion pin hole



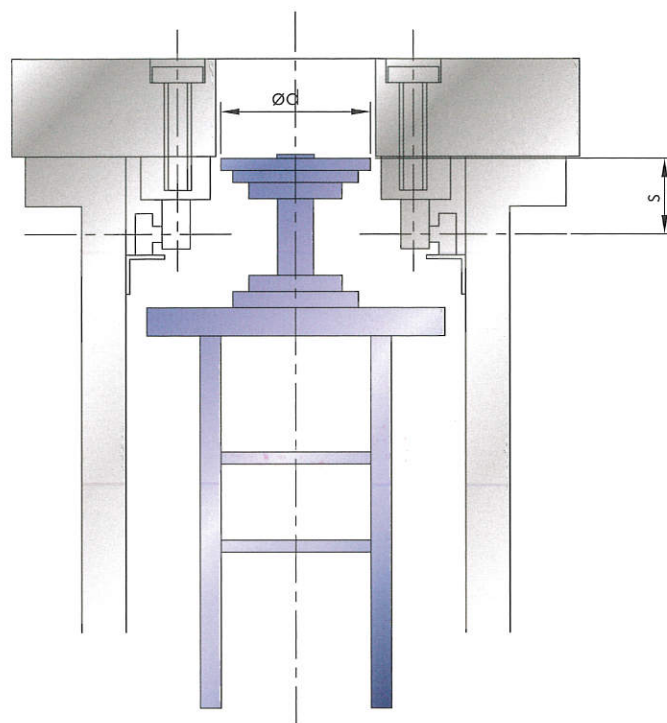
銷孔 Pin hole



模具氣墊規範 Specification of die cushion



圖一 / Fig. 1



圖二 / Fig. 2

圖一、風箱式模具氣墊/ Fig. 1: Bellows type die cushion

模 型		Model		SH2-110	SH2-160	SH2-200	SH2-250	SH2-300
模 具 氣 墊 模 型		Die cushion model		SCYD-11-1	SCYD-16-1	SCYD-20-1	SCYD-25-1	SCYD-30-1
能 力		Capacity (5kgf/c m ²) (kgf)		4520×2	7080×2	9600×2	12560×2	15900×2
行 程		Stroke		90	90	110	140	140
墊 板	a	Pad	a	480	560	800	800	800
	b		b	340	370	450	470	500

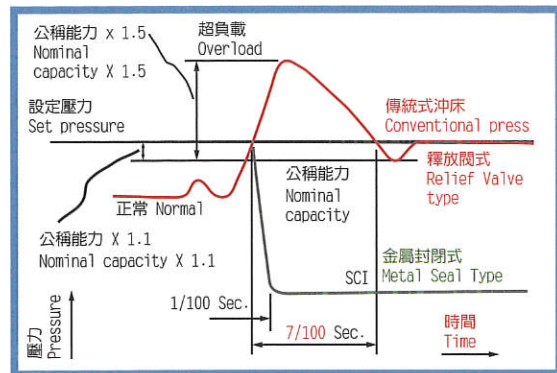
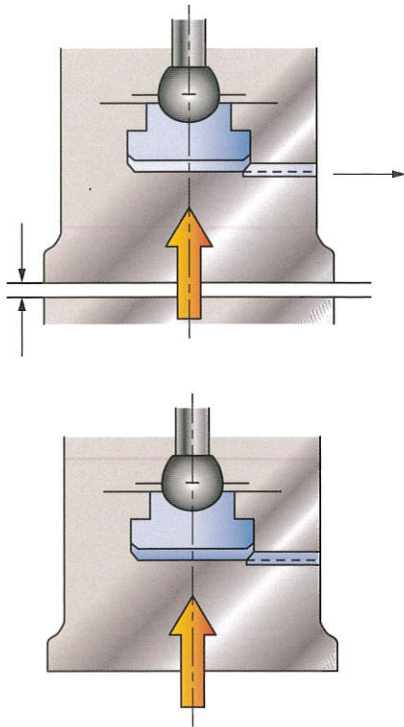
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圖二、汽缸式模具氣墊/ Fig. 2: Cylinder type die cushion

模 具 氣 墊 模 型		Die cushion model		CA-120	CA-150	CA-180	CA-200	CA-230	CA-260	CA-300	CA-350
能 力 (tf) (5kgf/cm²)	1段	Capacity (tf) (5kgf/cm²)	1 sta	0.4	0.6	1.0	1.2	1.5	2.0	2.9	3.9
	2段		2 sta	0.8	1.2	2.0	2.4	3.1	3.9	5.7	7.8
	3段		3 sta	1.2	1.8	3.0	3.6	4.7	5.9	8.6	11.7
	4段		4 sta	1.6	2.4	4.0	4.8	6.3	7.9	11.5	15.6
	5段		5 sta	2.0	3.0	5.0	6.0	7.9	9.9	14.4	19.5
行 程 s(mm)		Stroke s(mm)		50~100	60~110	60~120	60~130	80~130	90~140	100~150	90~150
墊 板 尺 寸 d(mm)		Pad diam d(mm)		110	140	170	190	220	250	290	340

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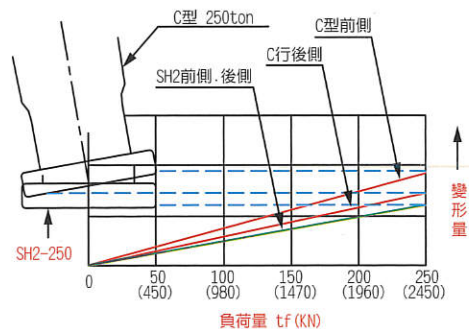
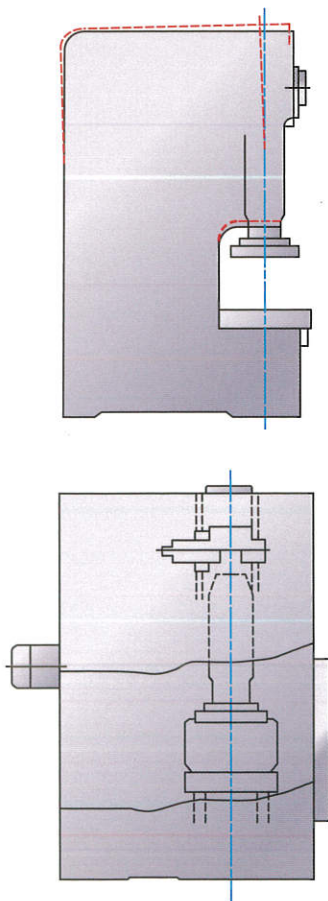
超負載保護器 Protector by hydraulic overload



當沖床過載使用時，液壓油經過金屬封閉閥門漏出，沖床立即停止作動。

When the press is operating under overloading, the oil escapes through the metal seal and the press is brought to a stop instantly.

結構設計 Structural design



SH2系列採用高剛性機架結構，解決C型沖床不可避免的開口現象，並大幅度降低總變形量，延長沖床使用壽命。此種結構可保持滑塊與平板間的平行度，並對偏心荷重有極佳的控制，能實現更高精度的加工。

To avoid of the inevitable opening of C-type Press and reduce the deformation, furthermore, to extend the life of press, the rigid frame structure design is applied in SH2 series. This structure would keep the parallel between slide & bolster, and better control the eccentric load to facilitate precise processing.

標準配件 Standard Equipment

1. 變頻馬達 Variable speed motor(inverter)
2. 濕式離合器裝置 Wet clutch
3. 電動滑塊調整裝置 Electrical die height adjusting device
4. 油壓式超負載保護裝置 Hydraulic overload protection system
5. 電動式黃油幫浦裝置 Automatic grease lubrication system
6. 電子式曲軸角度顯示器 Crank angle indicator
7. 數字型模高指示器 (單位0.1mm) Die height indicator
8. 二度落裝置 Over run
9. 移動式操作台 Operator T-stand
10. 預調計數器1組 Preset Counter
11. 誤送檢知插座接頭2組 Miss-feed detector socket
12. 空氣源接頭1組 Air outlet
13. 氣壓噴射器1組 Air ejector
14. 操作說明書一份 Operation manual

選擇性配件 Optional Equipment

1. 模具氣墊 Die cushion
2. 自動送料軸 Power Take-off Shaft
3. 光電安全裝置 Optical safety device
4. 頂料裝置 Knockout Device
5. 快速換模裝置 Quick die change device
6. 防震機械腳 Anti vibration mounts
7. 腳踏操作器 Foot Switch
8. 模具照明燈 Die light device
9. 荷重監示裝置 Tonnage monitor (2 or 4 channel)
10. 其它 other



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since 1979

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