



# PRODUCTS LINE



## C FRAME MECHANICAL PRESS SN1 series

## C FRAME MECHANICAL PRESS SN2 series



### SN1 :

- High torque, low noise wet clutch and brake.
- High accuracy transmission gears and high rigidity crank ensure press long life and accuracy.
- User-friendly design and all-function electric control system enable the accessories to attach easily.

### SN2 :

- High torque, low noise wet clutch and brake.
- Rigid frame with less deflection.
- Many protective devices ensure operation safety.
- User-friendly design and all-function electric control system provide high automation compatibility.



Model	SN1-25			SN1-35			SN1-45			SN1-60			SN1-80			SN1-110			SN1-160			SN1-200			SN1-250					
	S	H	P	S	H	P	S	H	P	S	H	P	S	H	P	S	H	P	S	H	P	S	H	P	S	H	P	S	H	P
Capacity	Tons			25			35			45			60			80			110			160			200			250		
Length of Stroke	(l) mm			80	50	35	90	60	40	110	70	45	130	80	50	150	100	60	180	110	70	200	130	80	220	150	90	250	180	100
Stroke per Minute	Fixed Speed	S.P.M	90	110	140	80	100	130	70	90	120	60	80	100	60	80	100	50	70	90	40	60	80	35	50	65	30	45	55	
			70	80	80	60	70	80	50	60	80	40	55	70	40	50	65	35	45	60	30	35	50	25	30	40	22	30	30	
	Variable Speed																													
Tonnage Rating Point	mm			110	140	180	95	130	170	85	120	160	75	110	150	75	100	140	65	90	125	50	70	100	45	60	85	40	50	70
Die Height	(D.H)mm			3.2	2.3		3.2	2.3		3.2	2.3		4	2.3		5	3.2		5	3.2		6	4		6	4		6	4	
Area of Slide	(LRxFB)mm			330x250	380x300			430x350			480x400			560x460			650x520			720x580			860x650			960x720				
Area of Bolster	(LRxFB)mm			700x320	780x400			840x440			900x520			1050x600			1150x680			1250x760			1400x840			1500x900				

Model	SN2-110		SN2-160		SN2-200		SN2-250		SN2-300			
	S	H	S	H	S	H	S	H	S	H		
Capacity	Tons		110		160		200		250		300	
Length of Stroke	(l) mm		180	110	200	130	230	150	250	180	280	180
Stroke per Minute	Fixed Speed	S.P.M	50	70	40	60	35	50	30	45	30	45
			Variable Speed	35-65	45-90	30-50	35-70	25-45	30-60	22-40	30-50	20-35
Tonnage Rating Point	mm		5		6		7		7		7	
Die Height	(D.H)mm		400	350	450	400	500	450	550	450	550	450
Area of Slide	(LRxFB)mm		1430x520		1560x580		1850x650		2100x700		2100x800	
Area of Bolster	(LRxFB)mm		1880x680		2040x760		2420x840		2700x920		2700x940	

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**STRAIGHT SIDE MECHANICAL PRESS SNS1 series**  
**STRAIGHT SIDE MECHANICAL PRESS SNS2 series**

**SNS1 :**

- Straight side frame designed virtually eliminates angular deflection, providing increased precision for progressive die applications and reducing maintenance costs on tooling.
- The slide area is 15%~25% greater than comparable C-frame presses to allow for larger tools. The large 6-point gibs are centered in the slide body, to provide better resistance to off-center loads.

**SNS2 :**

- The symmetrical front-rear column structure design minimizes deflection and is most suitable for precision progressive die applications.
- High torque, enclosed wet clutch brake unit requires minimal maintenance, eliminates noise and pollution caused by airborne particles, and significantly extends lining life.



Model	SNS1-80		SNS1-110		SNS1-160		SNS1-200		SNS1-250		SNS1-300	
	S	H	S	H	S	H	S	H	S	H	S	H
Capacity	80		110		160		200		250		300	
Length of Stroke (l) mm	150	100	180	110	200	130	220	150	250	180	280	180
Stroke per Minute SPM	40-75	55-125	35-65	50-110	30-55	40-95	25-45	35-80	22-40	30-60	20-35	25-50
Tonnage Rating Point	5		5		6		6		6		6	
Die Height	330	300	350	320	400	360	450	400	450	400	500	400
Area of Slide (LRxFB)mm	700x460		800x520		900x580		1000x650		1100x720		1150x800	
Area of Bolster (LRxFB)mm	900x680	900x460	1000x680	1000x520	1150x760	1150x600	1250x840	1250x680	1350x900	1350x750	1400x1050	1400x850

Model	SNS2-160		SNS2-200		SNS2-250		SNS2-300		SNS2-400		SNS2-500	
	S	H	S	H	S	H	S	H	S	H	S	H
Capacity	160		200		250		300		400		500	
Length of Stroke (l) mm	200	130	230	150	250	180	280	180	300	200	300	200
Stroke per Minute SPM	30-55	40-85	25-45	35-70	22-40	30-60	20-40	25-50	20-40	25-50	20-40	25-50
Tonnage Rating Point	6	4	7	4	7	5	7	5	7	6	7	6
Die Height	450	400	500	450	550	450	550	450	600	450	600	450
Area of Slide (LRxFB)mm	1560x650		1850x750		1	2200x820	1	2200x900	1	2200x1000	1	2200x1100
					2	2500x820	2	2500x900	2	2500x1000	2	2500x1100
					3	2800x900	3	2800x1000	3	2800x1100	3	2800x1200
					4	3100x900	4	3100x1000	4	3100x1100	4	3100x1200
Area of Bolster (LRxFB)mm	1850x760		2200x840		1	2500x920	1	2500x1000	1	2500x1100	1	2500x1200
					2	2800x920	2	2800x1000	2	2800x1100	2	2800x1200
					3	3100x1000	3	3100x1100	3	3100x1200	3	3100x1200
					4	3400x1000	4	3400x1100	4	3400x1200	4	3400x1200
Height of Bolster (G)mm	950		1000		1	1100	1,2	1150	1250		1250	
					2	1150	3,4	1250				

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**STRAIGHT SIDE MECHANICAL PRESS SLS1 series**  
**STRAIGHT SIDE MECHANICAL PRESS SLS2 series**



**SLS1 :**

- Straight side frame designed virtually eliminates angular deflection, providing increased precision for progressive die applications and reducing maintenance costs on tooling.
- Fast approach/return speeds with reduced slide velocity during the working portion of the stroke, minimizing vibration and noise while extending tooling life.

**SLS2 :**

- The symmetrical front-rear column structure design minimizes deflection and is most suitable for precision progressive die applications.
- Fast approach/ return speeds with reduced slide velocity during the working portion of the stroke, minimizing vibration and noise while extending tooling life.



Model	SLS1-80		SLS1-110		SLS1-160		SLS1-200		SLS1-250		SLS1-300	
	S	H	S	H	S	H	S	H	S	H	S	H
Capacity	tf 80		110		160		200		250		300	
Length of Stroke	(l) mm 150 100		180 110		200 130		220 150		250 180		280 180	
Stroke per Minute	SPM 40-75 55-110		35-65 50-100		30-55 40-85		25-45 35-70		22-40 30-60		20-35 25-50	
Tonnage Rating Point	mm 5		5		6		6		6		6	
Die Height	(D.H) mm 330 300		350 320		400 360		450 400		450 400		500 400	
Area of Slide	(LRxFB)mm 700x460		800x520		900x580		1000x650		1100x720		1150x800	
Area of Bolster	(LRxFB)mm 900x680 900x460		1000x680 1000x520		1150x760 1150x600		1250x840 1250x680		1350x900 1350x750		1400x1050 1400x850	

Model	SLS2-160		SLS2-200		SLS2-250		SLS2-300		SLS2-400		SLS2-500	
	S	H	S	H	S	H	S	H	S	H	S	H
Capacity	tf 160		200		250		300		400		500	
Length of Stroke	(l) mm 200 130		230 150		250 150		280 150		300 200		300 200	
Stroke per Minute	SPM 30-55 40-85		25-45 35-70		22-40 30-55		20-35 25-45		15-30 25-40		15-30 25-40	
Tonnage Rating Point	mm 6 5		7 5		7 6		7 7		7 7		7 7	
Die Height	mm 450 400		500 450		550 450		550 450		600 450		600 450	
Area of Slide	(LRxFB) mm	1560x650	1850x750	1	2200x820	1	2200x900	1	2200x1000	1	2200x1100	
				2	2500x820	2	2500x900	2	2500x1000	2	2500x1100	
				3	2800x820	3	2800x900	3	2800x1000	3	2800x1100	
				4	3100x820	4	3100x900	4	3100x1000	4	3100x1100	
Area of Bolster	(LRxFB) mm	1850x760	2200x840	1	2500x920	1	2500x1000	1	2500x1100	1	2500x1200	
				2	2800x920	2	2800x1000	2	2800x1100	2	2800x1200	
				3	3100x920	3	3100x1000	3	3100x1100	3	3100x1200	
				4	3400x920	4	3400x1000	4	3400x1100	4	3400x1200	
Height of Bolster	(G)mm	950	1000	1	1100	1,2	1150	1250		1250		
				2	1150	3,4	1250					

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## STRAIGHT SIDE MECHANICAL PRESS

### SAG series

## STRAIGHT SIDE ECCENTRIC GEAR

### MECHANICAL PRESS SE2 series

#### SAG :

- Hydraulic overload protect device.
- Precision slide guiding with 8 points gibbing arrangement.
- Air counter balance device.
- Auto lub. system with default monitor.

#### SE2 :

- Hydraulic tie rod frame design to reduce the operating vibration and noise.
- Fit with long stroke drawing and blanking operation.
- Without side load on slide to keep the operation accurately and smoothly.



Model		SAG-300		SAG-400		SAG-500		SAG-600		SAG-800		SAG-1000		SAG-1200		
		S	H	S	H	S	H	S	H	S	H	S	H	S	H	
Capacity	tf	300		400		500		600		800		1000		1200		
Length of stroke	mm	300	200	400	250	450	250	450	250	450	300	450	300	450	300	
Stroke per minute	SPM	15~30		25~50		12~22		25~50		12~22		25~50		10~20		
Tonnage rating point	mm	13	6.5	13	6.5	13	6.5	13	6.5	13	6.5	13	6.5	13	6.5	
Die height	mm	600		700		700		700		800		800		800		
Adjustment of slide	mm	200		250		250		250		300		300		300		
Area of slide (L/RxF.B)	mm	1	2200x1200		2500x1400		2500x1450		2500x1550		2800x1550		3100x1550		3400x1550	
		2	2500x1200		2800x1400		2800x1450		2800x1550		3100x1550		3400x1550		3700x1550	
		3	2800x1200		3100x1400		3100x1450		3100x1550		3400x1550		3700x1550		4000x1550	
		4	3100x1200		3400x1400		3400x1450		3400x1550		3700x1550		4000x1550		4300x1550	
Area of bolster (L/RxF.B)	mm	1	2200x1370		2500x1400		2500x1450		2500x1550		2800x1550		3100x1550		3400x1550	
		2	2500x1370		2800x1400		2800x1450		2800x1550		3100x1550		3400x1550		3700x1550	
		3	2800x1370		3100x1400		3100x1450		3100x1550		3400x1550		3700x1550		4000x1550	
		4	3100x1370		3400x1400		3400x1450		3400x1550		3700x1550		4000x1550		4300x1550	

Model		SE2-400		SE2-500		SE2-600		SE2-800	SE2-1000	SE2-1200	
		S	H	S	H	S	H	S	S	S	
Capacity	tf	400		500		600		800	1000	1200	
Length of stroke	mm	500		500		500		600	600	800	
Stroke per minute	SPM	15~26		12~24		12~22		10~18	10~18	10~18	
Tonnage rating point	mm	13	6.5	13	6.5	13	6.5	13	13	13	
Die height	mm	700		800		800		1000	1000	1100	
Adjustment of slide	mm	300		400		400		400	400	500	
Area of slide (L/RxF.B)	mm	1	2500x1400		2500x1450		2500x1550		2800x1700	3100x1700	3400x1700
		2	2800x1400		2800x1450		2800x1550		3100x1700	3400x1700	3700x1700
		3	3100x1400		3100x1450		3100x1550		3400x1700	3700x1700	4000x1700
		4	3400x1400		3400x1450		3400x1550		3700x1700	4000x1700	4300x1700
Area of bolster (L/RxF.B)	mm	1	2500x1400		2500x1450		2500x1550		2800x1700	3100x1700	3400x1700
		2	2800x1400		2800x1450		2800x1550		3100x1700	3400x1700	3700x1700
		3	3100x1400		3100x1450		3100x1550		3400x1700	3700x1700	4000x1700
		4	3400x1400		3400x1450		3400x1550		3700x1700	4000x1700	4300x1700

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**HEAVY STAMPING LINK MOTION MECHANICAL PRESS SM1 series**  
**PROGRESSIVE STAMPING LINK MOTION MECHANICAL PRESS SM2 series**



**SM1 :**

- Link motion with a reduced touch speed and cause less vibration and noise.
- Increased productivity by up to 30% compared to conventional presses.
- EAn 8-point square slide guide that with limited gib clearance.
- Excellent rigid construction is built for heavy loading, drawing and blanking.

**SM2 :**

- High Precision & Rigidity Structural Design
- Low Forming Speed
- Unique Dynamic Balance System
- Extremely Small Total Clearance



Model	SM1-300		SM1-500		SM1-800
	S	H	S	H	S
Capacity	300		500		800
Length of Stroke	250	120	300	150	300
Stroke per Minute	20-50	40-70	20-40	30-55	15-30
Tonnage Rating Point	13	6.5	13	6.5	13
Die Height	600	400	650	400	750
Adjustment of Slide	150				150
Area of Slide	1000x900		1200x1100		1500x1300
Area of Bolster	1000x1000		1200x1200		1500x1500

Model	SM2-200	SM2-300	SM2-400	SM2-600		
Capacity	200	300	400	600		
Length of Stroke	200					
Stroke per Minute	50-120	40-100	30-80	30-70		
Tonnage Rating Point	6.5					
Die Height	450	550	650	750		
Adjustment of Slide	100					
Area of Slide	(LRxFB)mm	1	1500x900	1800x1000	2100x1100	2400x1250
		2	1800x900	2100x1000	2400x1100	2700x1250
		3	2100x900	2400x1000	2700x1100	3000x1250
Area of Bolster	(LRxFB)mm	1	1500x1000	1800x1100	2100x1200	2400x1400
		2	1800x1000	2100x1100	2400x1200	2700x1400
		3	2100x1000	2400x1100	2700x1200	3000x1400

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**PRECISION HIGH SPEED PRESSES SHP series**  
**PROGRESSIVE STAMPING FORGING KNUCKLE**  
**MECHANICAL PRESS SPF2 series**

**SHP:**

- Equip with 2 post, 1 plunger guidance system achieves high precision.
- Unitized extra-sturdy casting frame to minimized angular deflection and stamping noise.
- Reduced distance between feeder and die set to minimized material twist issue.
- Applicable to integrate with mechanical roller feeder, grip feeder and servo feeder.

**SPF2 :**

- An ultra rigid H frame structure reduces deflection to less than 1mm.
- Patented 9-linkage mechanism maintains a unique 44° stoppage of slide at B.D.C., enabling precision cold forming e.g. coining & sizing processes.
- Improved knuckle driving mechanism that never moves to full perpendicular position and eliminates die sticking near B.D.C.
- Very rigid slide and bed creating very low deflection which is less than 1/33000



Model		SHP-25			SHP-35			SHP-50		
Capacity	Tons	25			35			50		
Length of Stroke	(l) mm	20	30	40	20	30	40	20	30	40
Stroke per Minute	S.P.M.	200-700			200-600			200-600		
Die Height	(D.H)mm	215	210	205	245	240	235	265	260	255
Adjustment of Slide	(R)mm	30			40			40		
Area of Slide	(LRxFB)mm	300x210			370x300			480x340		
Area of Bolster	(LRxFB)mm	500x300			600x390			720x450		
Bolster Opening	(LRxFB)mm	180x90			240x100			300x130		
Working Height	mm	795			840			860		

Model		SPF2-200		SPF2-300		SPF2-400	
Capacity	Tons	200		300		400	
Length of Stroke	(l) mm	120		120		120	
Stroke per Minute	S.P.M	40-100		40-85		30-70	
Tonnage Rating Point	mm	5				6.5	
Die Height	(D.H)mm	450				500	
Adjustment of Slide	(R)mm			50			
Area of Slide (LRxFB)mm	mm	1	1200x600	1500x700	1500x800		
		2	1500x600	1800x700	1800x800		
		3	—	—	2100x800		
Area of Bolster(LRxFB)mm	mm	1	1200x800	1500x900	1500x1000		
		2	1500x800	1800x900	1800x1000		
		3	—	—	2100x1000		

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