



SN2 series

SN2-110~300 TONS

C FRAME MECHANICAL PRESS

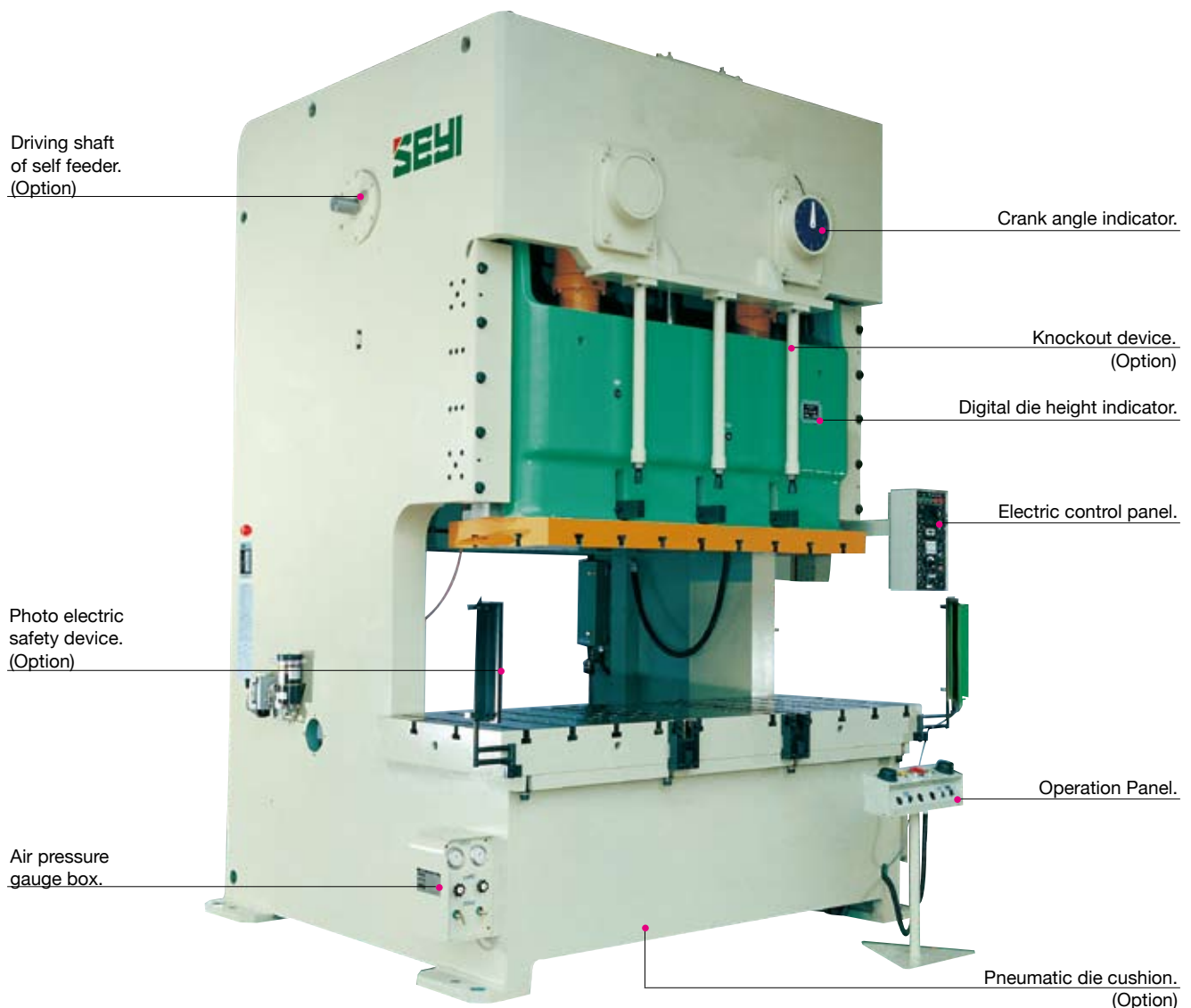


SN2-110-160-200-250-300-110-160-200
SN2-110-160-200-250-300-110-160-200
SN2-110-160-200-250-300-110-160-200

Quality / Productivity / Safety

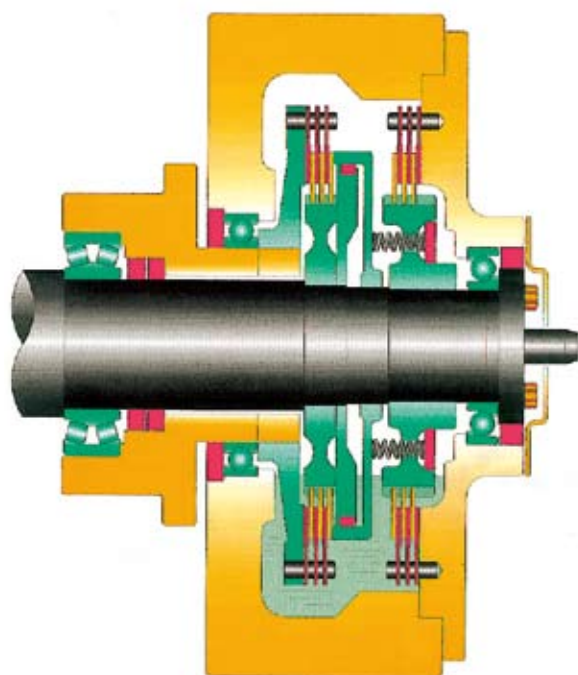
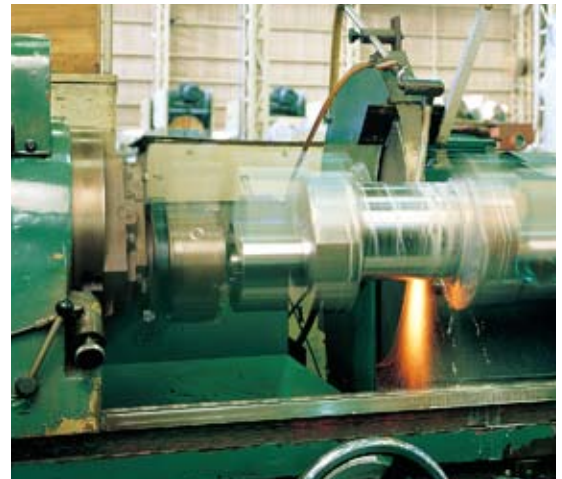
Features

- ✓ **High torque, low noise wet clutch and brake.**
- ✓ **Rigid frame with less deflection.**
- ✓ **High accuracy transmission gears and high rigidity crank ensure press long life and accuracy.**
- ✓ **User-friendly design and all-function electric control system provide high automation compatibility.**
- ✓ **Many protective devices ensure operation safety.**



High Precision Transmission Gear

The high accurately machined gear system provides smooth and silent operation.



High Quality Crank Shaft

The strong crank shaft with outstanding rigidity ensures that accuracy can be maintained under qualified standard and extends the life of tooling.

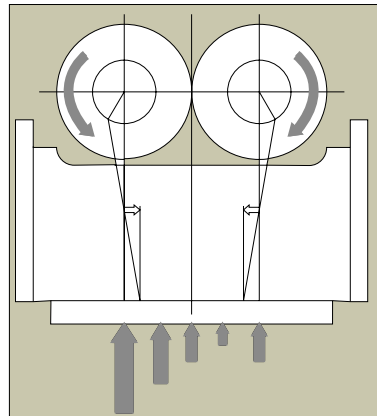
High Torque Wet Clutch and Brake

- Multiplate, low initial design for quick response operation.
- High intermittent allowance for robot automatic operation.
- No pollution and low noise correspond the future enviromental requirment.

FEATURES

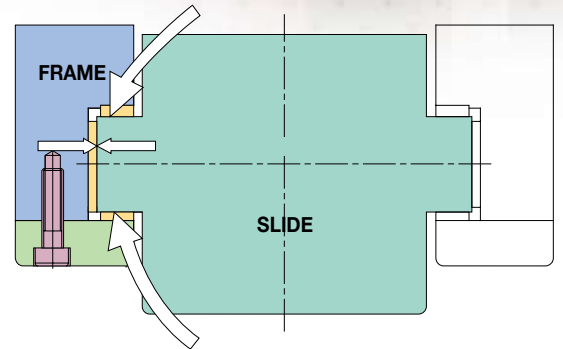
Eliminated Side Thrust

Opposed rotation design to minimize the side thrust force.



Long Hexagonal Gibs

Long right angle six faced guides without adjustment inaccuracy.



Motorized Slide Adjusting Device

The motorized slide adjusting device is adopted with a thin brake motor and operated with push buttons. It provides stable positioning accuracy and quick adjustment.



Auto Lubrication System

The auto lubrication system with default monitor ensures high reliable operation.



Digital Die Height Indicator

Motorized slide adjusting device fitted with 0.1mm increment digital die height indicator.



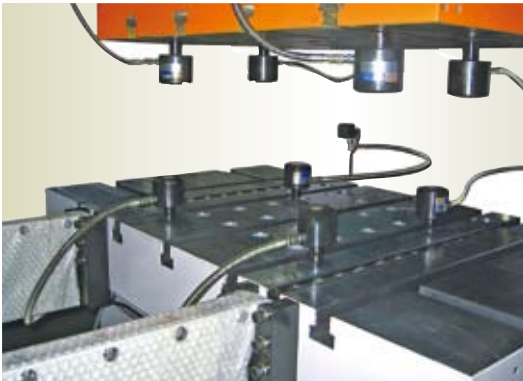
Dual Safety Valve

The interlock mechanism on the dual valve keeps the clutch and brake from mis-actuation when valve is default.



Quick Die Change Device (Option)

The die lifter, die clamp and auxiliary rails allow to carry out die changing easily in a short time.



Pendent Control Cabinet

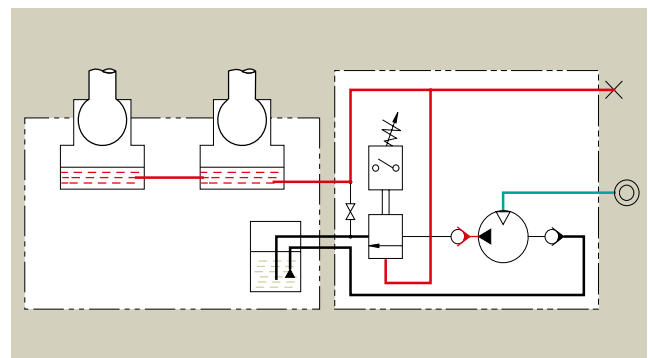
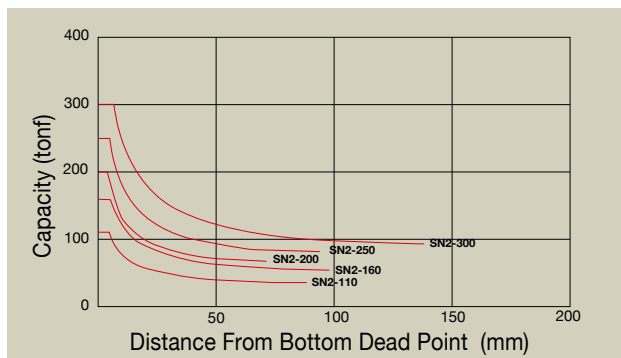
User-friendly design for simple and easy operation.



Hydraulic Overload Protector

The hydraulic overload protector is installed to prevent the overloading from exceeding the rating capacity tonnage and protect press and tooling from damage. The simple resetting process makes the restart operation easily.

Stroke and Capacity Curve



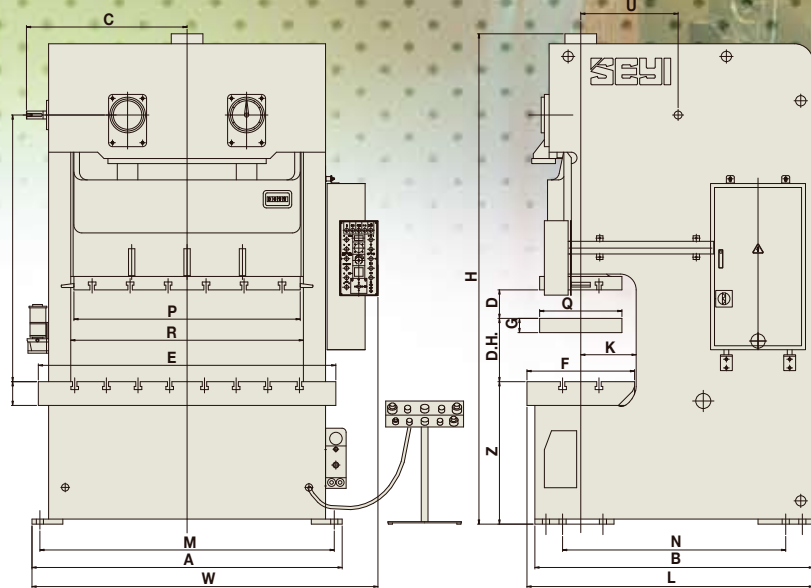
General Attachments

1. Main Motor with Inverter
2. Combination Wet Clutch / Brake
3. Hydraulic Overload Protection
4. Motorized Slide Adjusting Device
5. Die Height Indicator
6. Counter Balancer
7. Rotary Cam Limit Switch.
8. Portable Operation Stand
9. Antirepeat Safety Device
10. Main Motor FWD./REV. Controller
11. Electromagnetic Type Counter
12. Misfeed Detector Socket - 4 Sets (2A, 2B)
13. Air Ejector - 1 Set
14. Air Outlet - 1 Set
15. Maintenance Tools Box

Optional Attachments

1. Anti-vibration Mounts
2. Photoelectric Safety Device
3. Preset Counter - 1 Set
4. Maintenance Counter - 1 Set
5. Knockout Device
6. Die Lighting Device
7. Lamp Socket (1A)
8. Power Take-off Shaft
9. Foot Switch
10. L/H Hands Selector Switch
11. Booster
12. Pneumatic Die Cushion
13. PPC 9000 Control System
 - Digital monitor with crank angle / S.P.M.
 - Touch panel display with press running / error message
14. Bottom Dead Center Detector
15. Adjustable Single Shot Oiler
16. Quick Die Change Device (Q.D.C.)
17. Safety Block
18. Tie Bar

SPECIFICATION



Specifications and dimensions

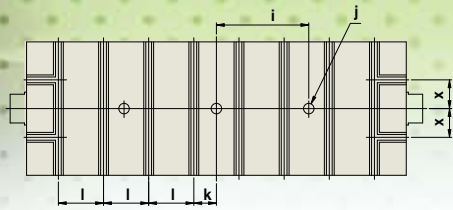
Model	SN2-110		SN2-160		SN2-200		SN2-250		SN2-300													
	S	H	S	H	S	H	S	H	S	H												
Capacity	tf		110		160		200		250		300											
Stroke Length	(D) mm		180		110		200		130		230		150		250		180		280		180	
Stroke per Minute	Fixed speed	S.P.M.	50		70		40		60		35		50		30		45		30		45	
			Variable speed	35~65		45~90		30~50		35~70		25~45		30~60		22~40		30~50		20~35		30~50
Rated Tonnage Point	mm			5		6		7		7		7										
Die Height	(D.H) mm		400		350		450		400		500		450		550		450		550		450	
Slide Adjustment	(G) mm		90		100		110		120		120											
Slide Area	(PxQ) mm		1430x520		1560x580		1850x650		2100x700		2100x800											
Diameter of Shank Hole	mm		ø51		ø51		ø51		ø51		ø51											
Bolster Area	(ExF) mm		1880x680		2040x760		2420x840		2700x920		2700x940											
Bolster Thickness	(T) mm		150		160		170		180		200											
Bolster Height	(Z) mm		900		950		1000		1100		1100											
Inside Measurement Frame	(R) mm		1470		1590		1930		2190		2180											
Frame Gap	(K) mm		350		390		430		470		480											
Position of P.T.O. Shaft	(CxSxU) mm		1005x1685x615		1005x1600x615		1085x1855x660		1085x1770x660		1260x2107x710		1260x2017x710		1405x2305x770		1405x2170x770		1420x2435x800		1420x2285x800	
Main Motor	HP x P		10 × 4		15 × 4		15 × 4		20 × 4		20 × 4		30 × 4		30 × 4							
Motor of Slide Adjustment	HP x P		1x4		2x4		2x4		2x4		2x4											
Foot Size	(AxB) mm		1960x1760		1960x1705		2170x2030		2170x1970		2520x2165		2520x2115		2810x2470		2810x2395		2840x2570		2840x2470	
Position of Anchor Bolts	(MxN) mm		1860x1410		1860x1355		2050x1590		2050x1530		2400x1725		2400x1675		2690x1970		2690x1895		2720x2035		2720x1935	
Required Floor Space	(WxL) mm		2190x1810		2190x1810		2375x2085		2375x2085		2725x2230		2725x2230		3015x2530		3015x2530		3045x2600		3045x2600	
Press Height (w/o Mounts)	(H) mm		3110		3025		3380		3295		3760		3670		4150		4015		4380		4230	
Air Pressure Required	kg/cm ²		5		5		5		5		5		5									
Accuracy			CNS 1st		CNS 1st		CNS 1st		CNS 1st		CNS 1st		CNS 1st									

※ Materials and specifications are subject to change without notice.

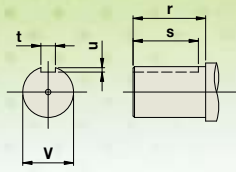
Die Cushion (Optional)

Capacity (at 5 kgf/cm ²)	tf	6 x 2	8 x 2	10 x 2	14 x 2	14 x 2
Stroke Length	mm	95	110	130	140	140
Die Cushion Area	mm	480x340x2	560x370x2	700x450x2	700x450x2	700x450x2

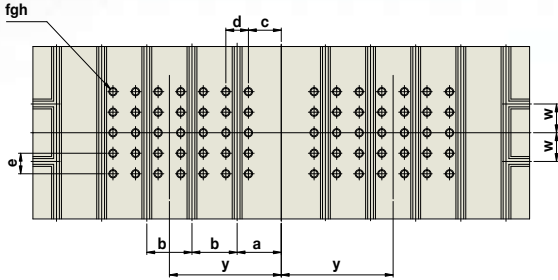
※ Materials and specifications are subject to change without notice.



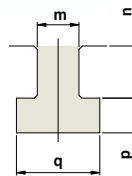
SURFACE OF SLID E



POWER TAKE-OFF SHAFT



SURFACE OF BOLSTER



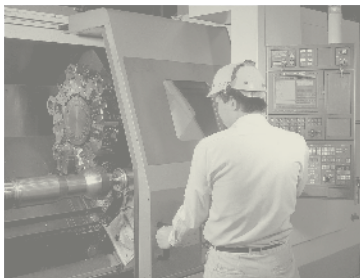
SIZE OF T-SLOT

Dimensions of bolster and slide

Model	SN2-110	SN2-160	SN2-200	SN2-250	SN2-300
a	110	200	215	235	235
b	200	200	220	220	220
c	160	150	160	180	180
d	100	100	110	110	110
e	100	100	100	100	100
f(R.L x FB)	5x4x2	6x4x2	7x5x2	7x5x2	7x5x2
g	ø32	ø32	ø32	ø32	ø32
h	ø40	ø40	ø40	ø40	ø40
i	350	400	450	450	450
j	ø51	ø51	ø51	ø51	ø51
k	120	0	110	120	120
l	240	200	220	240	240
m	28	28	28	28	28
n	30	30	30	30	30
p	20	20	20	20	20
q	48	48	48	48	48
r	100	100	100	100	100
s	90	90	90	90	90
t	20	20	20	20	20
u	7.5	7.5	7.5	7.5	7.5
v	ø70h7 ⁻⁰ _{-0.03}	ø70h7 ⁻⁰ _{-0.03}	ø70h7 ⁻⁰ _{-0.03}	ø70h7 ⁻⁰ _{-0.03}	ø70h7 ⁻⁰ _{-0.03}
x	115	125	140	150	150
y	360	400	490	510	510

※ Materials and specifications are subject to change without notice.

Top Development ■ Eternal Service



China Factory



Headquarters



Los Angels



Tennessee



SHIEH YIH MACHINERY INDUSTRY CO., LTD.

HEADQUARTERS NO.446, Nan Shang Rd., Kueisan Hsiang, Taoyuan, Taiwan
TEL: +886-3-352-5466 FAX: +886-3-352-5488
www.seyi.com

XIE YI TECH MACHINERY(CHINA) CO., LTD.

KUNSHAN FACTORY TEL: +86-512-5740-7900 FAX: +86-512-5740-7899
www.seyi.com.cn

DONGGUAN BRANCH TEL: +86-769-8502-8531 FAX: +86-769-8502-8530
www.seyi.com.cn

SEYI-AMERICA, INC.

CALIFORNIA TEL: +1-909-839-1151
FAX: +1-909-839-1150
www.seyiamerica.com

TENNESSEE TEL: +1-931-455-7700
FAX: +1-931-455-6092
www.seyiamerica.com

SEYI Presses Europe GmbH

EUROPE www.seyi-europe.com