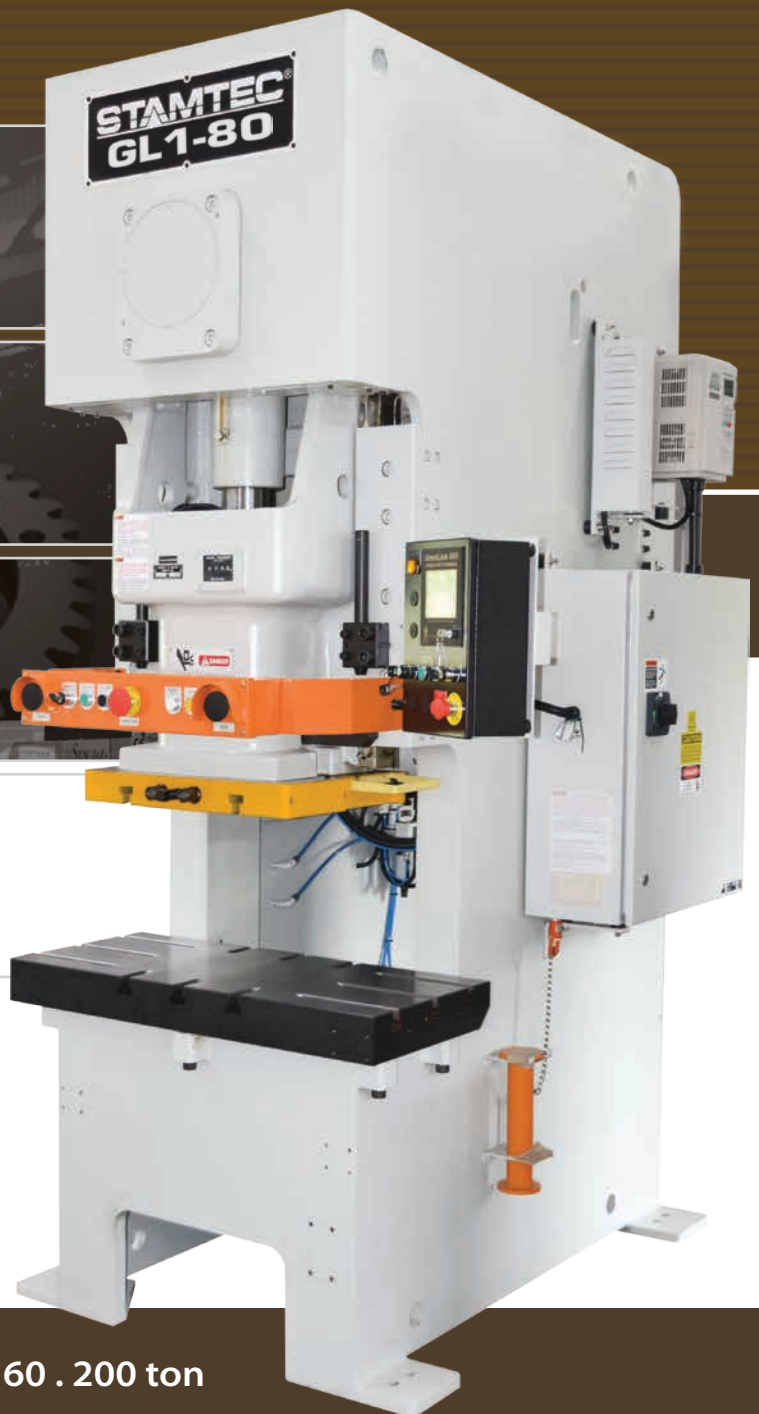
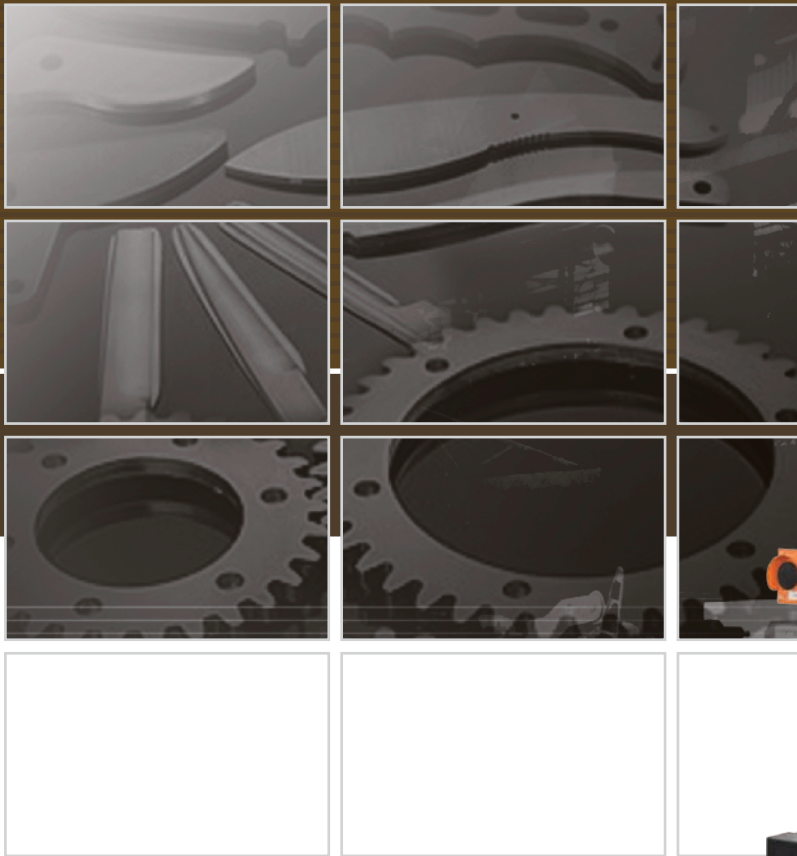


GL1 Series

C-Frame Single Crank Link-Motion Presses



80 . 110 . 160 . 200 ton



GL1 Series

C-Frame Single Crank Link-Motion Presses

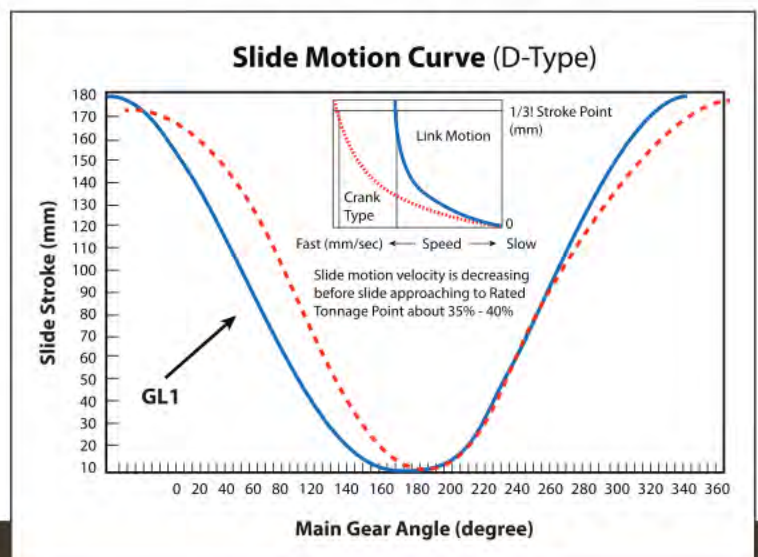
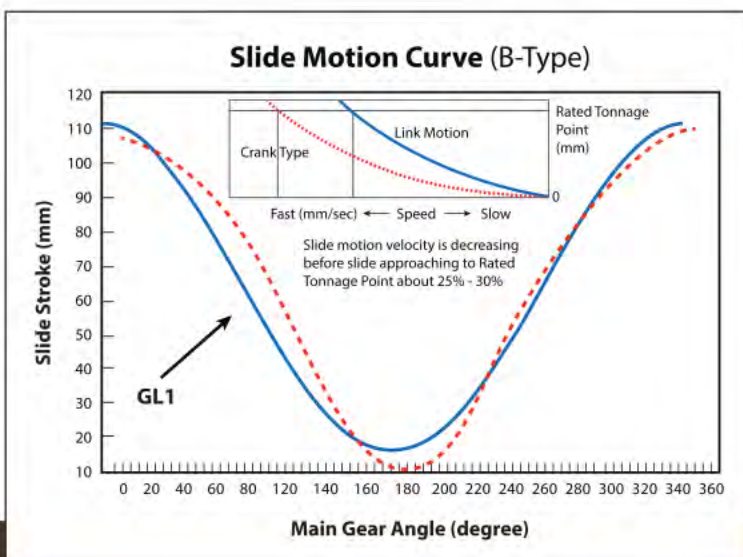
Stamtec's GL1, One-Point Gap Frame Press

with link motion drive technology is designed for stamping small parts that require deeper or more complex forming, at high single-stroking rates or in continuous mode, using either blanks or coil stock.

With a link motion press, the slide velocity decreases by up to 40 percent during the working portion of the stroke so the material flows more effectively while the non-working portion of the stroke increases by an offsetting amount to maintain high production rates.

The results are better quality parts produced at higher production rates. In addition, the slower speed of the working stroke reduces die impact, punch penetration, snap-through, noise and vibration, thereby increasing machine and die life.

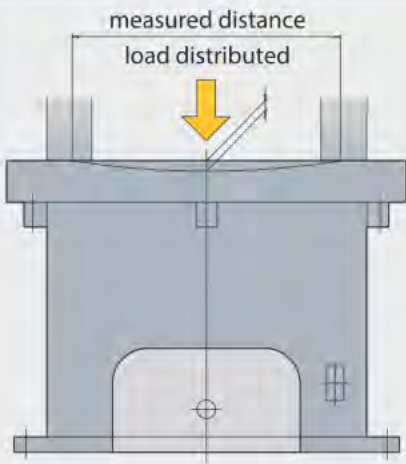
Tonnage Range: 88 - 220



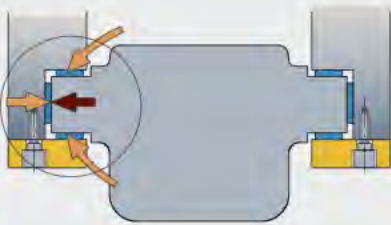
SPECIFICATIONS

MODEL		GL1-80		GL1-110		GL1-160		GL1-200	
Type		B	D	B	D	B	D	B	D
Capacity	US Tons	88		121		176		220	
	Metric Tons	80		110		160		200	
Rated Tonnage Point	in.	0.20		0.20		0.24		0.24	
	mm	5		5		6		6	
Stroke Length	in.	3.94	6.30	3.94	7.09	5.12	7.87	5.91	7.87
	mm	100	160	110	180	130	200	150	200
Strokes Per Minute	Fixed Speed SPM	60		50		45		35	
	Variable Speed SPM	55 ~ 110	40 ~ 75	50 ~ 100	30 ~ 65	40 ~ 85	25 ~ 50	35 ~ 70	20 ~ 45
Die Height (S.D.A.U.)	in.	11.81	12.99	12.60	13.78	13.78	17.72	16.14	17.72
	mm	300	330	320	350	350	450	410	450
Maximum Upper Die Weight	lbs	1212.54		1366.87		1543.24		1763.70	
	kg	550		620		700		800	
Slide Adjustment	in.	3.15		3.54		3.94		4.33	
	mm	80		90		100		110	
Bolster Area (L-R x F-B x T)	in.	39.37 x 18.11	39.37 x 23.62	45.28 x 20.47	45.28 x 23.62	49.21 x 23.62	49.21 x 29.92	55.12 x 26.77	55.12 x 32.28
	mm	1000 x 460	1000 x 600	1150 x 520	1150 x 680	1250 x 600	1250 x 760	1400 x 680	1400 x 820
Bolster Thickness	in.	3.94		4.72		5.91		6.69	
	mm	100		120		150		170	
Slide Area (L-R x F-B)	in.	22.05 x 18.11		25.59 x 20.47		27.56 x 22.83		33.47 x 25.59	
	mm	560 x 460		650 x 520		700 x 580		850 x 650	
Main Motor	Fixed Speed HP x p	10 x 4		15 x 4		15 x 4		15 x 4	
	Variable Speed HP x p	VS 10 x 4		VS 15 x 4		VS 15 x 4		VS 20 x 4	
Slide Adjusting Motor	kw x P	0.4 x 4		0.4 x 4		0.5 x 4		0.75 x 4	
DIE CUSHION DEVICE									
Capacity	US Tons	5.51		7.72		9.92		13.23	
	Metric Tons	5		7		9		12	
Pad Area	in.	16.14 x 10.24		19.69 x 11.81		21.26 x 13.77		25.20 x 18.50	
	mm	410 x 260		500 x 300		540 x 350		640 x 470	
Stroke	in.	2.76		3.15		3.15		3.94	
	mm	70		80		80		100	
DIMENSIONS									
Machine Width (L. R.)	in.	32.68		38.19		42.13		50.20	
	mm	830		970		1070		1275	
Machine Depth (F. B.)	in.	68.31	73.03	82.87	83.27	84.65	90.35	94.49	100.39
	mm	1735	1855	2105	2115	2150	2295	2400	2550
Machine Height (H)	in.	111.02	113.39	117.32	119.88	130.32	133.66	145.67	151.77
	mm	2820	2880	2980	3045	3310	3395	3700	3855

Extra-Ordinary Deflection Ratio



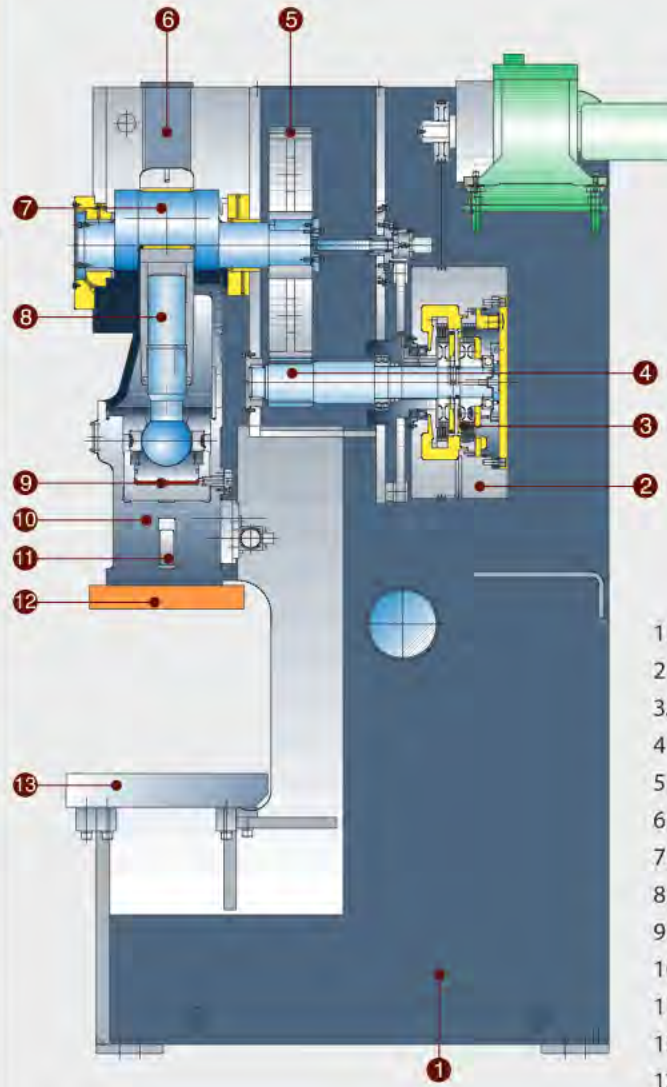
Extra Long, Precision, Six-Point



Extra long gibs fully guide the slide during the working cycle of the stroke and transmit power from crankshaft to the slide. Force is thereby delivered vertically, minimizing the lateral thrust found as the cause of friction in the gibs, and offcenter loads.

High Performance Wet Clutch

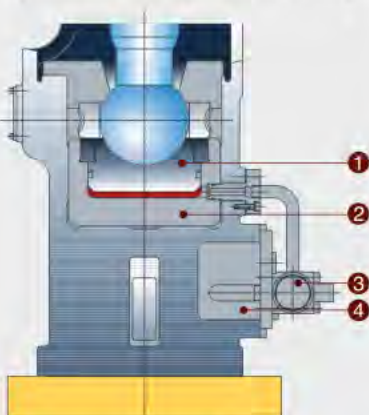
- Powerful
- Efficient
- Low inertia
- High torque
- Noiseless
- Asbestos-free
- Extra long service life
- Lower maintenance cost



1. Press Frame
2. Flywheel
3. Wet Clutch & Brake
4. Pinion Drive Shaft
5. Main Gear
6. Counterbalance
7. Crankshaft
8. Adjusting ScrewFrame
9. Hydraulic Overload Protector
10. Slide
11. Slide Knockout
12. Slide Plate (detachable)
13. Bolster

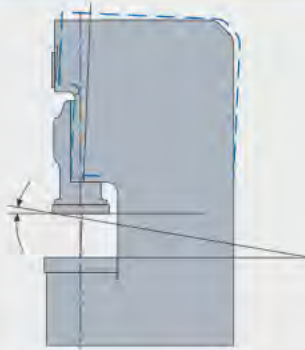
Hydraulic Overload Protector

Fast response
Synchronized oil pressure relieving



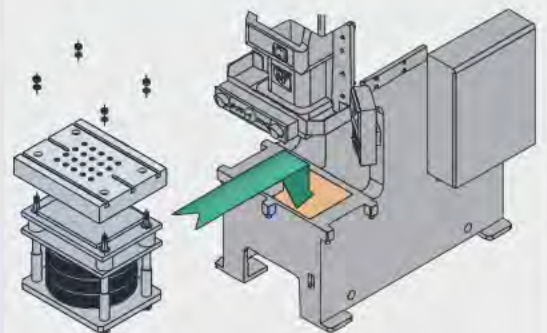
1. Piston
2. Hydraulic Cylinder
3. H.O.L.P.
4. Oil Tank

Super Rigid Steel Frame



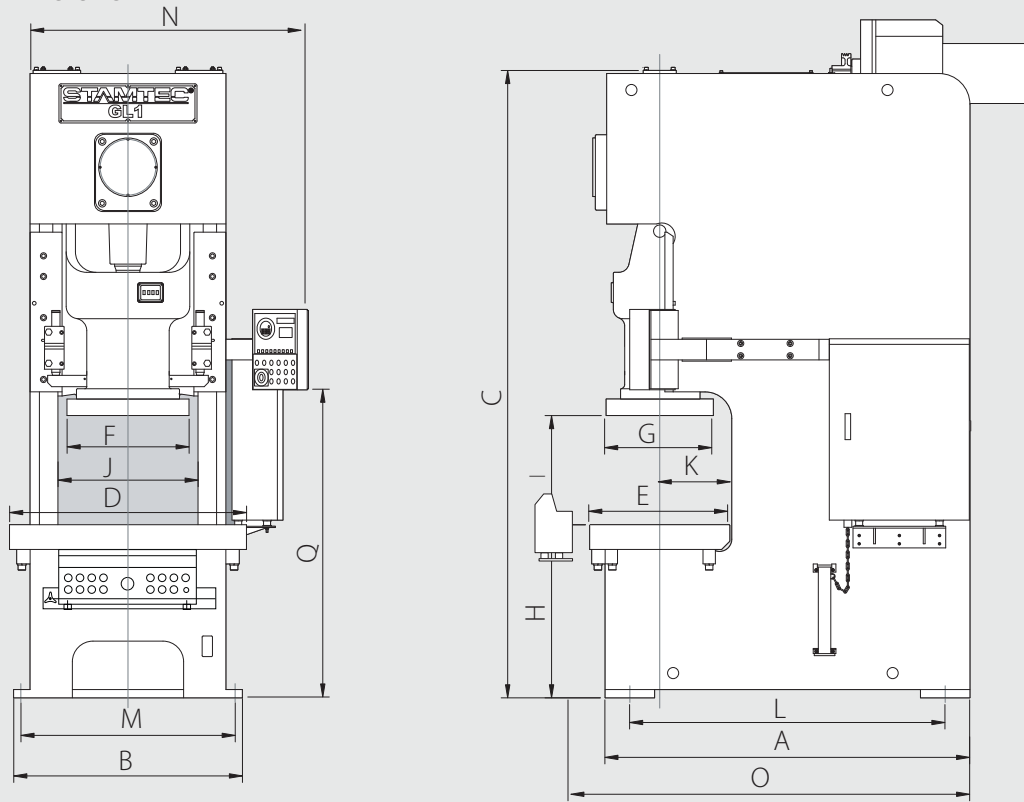
The Stamtec GL1 Series is designed to resist deflection, and provide accurate pressings and longer die life, even at full tonnage loads. The heavy, one-piece welded steel frame is fully stress relieved and designed to provide a stable base for the GL1 Series Presses.

Convenient Die Cushion Installation



The compact design of the die cushion avoids the need for a die cushion under the press. Bolted to the bolster for quick removal, allowing quick access for maintenance.

OUTLINE DIMENSIONS



MODEL	GL1-80		GL1-100		GL1-160		GL1-200	
Type	B	D	B	D	B	D	B	D
A	1513 mm (59.57 in)	1635 mm (64.37 in)	1795 mm (70.67 in)	1895 mm (74.61 in)	1930 mm (75.98 in)	2075 mm (81.69 in)	2180 mm (85.83 in)	2330 mm (91.73 in)
B	1000 mm (39.37 in)		1130 mm (44.49 in)		1280 mm (50.39 in)		1370 mm (53.94 in)	
C	2820 mm (111.02 in)	2880 mm (113.39 in)	2980 mm (117.32 in)	3045 mm (119.88 in)	3310 mm (130.32 in)	3395 mm (133.66 in)	3700 mm (145.67 in)	3855 mm (151.77 in)
D	1000 mm (39.37 in)		1150 mm (45.28 in)		1250 mm (49.21 in)		1400 mm (55.12 in)	
E	460 mm (18.11 in)	600 mm (23.62 in)	520 mm (20.47 in)	680 mm (26.77 in)	600 mm (23.62 in)	760 mm (29.92 in)	680 mm (26.77 in)	820 mm (32.28 in)
F	560 mm (22.05 in)		650 mm (25.59 in)		700 mm (27.56 in)		850 mm (33.47 in)	
G	460 mm (18.11 in)		520 mm (20.47 in)		580 mm (22.84 in)		650 mm (25.59 in)	
H	833 mm (32.80 in)	833 mm (32.80 in)	840 mm (33.07 in)	840 mm (33.07 in)	915 mm (36.02 in)	915 mm (36.02 in)	1020 mm (40.16 in)	1020 mm (40.16 in)
I	400 mm (15.75 in)	490 mm (19.29 in)	430 mm (16.93 in)	530 mm (20.87 in)	480 mm (18.90 in)	600 mm (23.62 in)	560 mm (22.05 in)	650 mm (25.59 in)
J	598 mm (23.54 in)		700 mm (27.56 in)		750 mm (29.53 in)		850 mm (33.47 in)	
K	240 mm (9.45 in)	310 mm (12.21 in)	270 mm (10.63 in)	350 mm (13.78 in)	310 mm (12.21 in)	390 mm (15.35 in)	350 mm (13.78 in)	420 mm (16.54 in)
L	1253 mm (49.33 in)	1375 mm (54.13 in)	1555 mm (61.22 in)	1655 mm (65.16 in)	1630 mm (64.17 in)	1775 mm (69.88 in)	1730 mm (68.11 in)	1880 mm (74.02 in)
M	910 mm (35.83 in)		1055 mm (41.54 in)	1060 mm (41.73 in)	1180 mm (46.46 in)		1275 mm (50.20 in)	
N	1140 mm (44.88 in)		1280 mm (50.39 in)		1430 mm (56.30 in)		1580 mm (62.21 in)	
O	1735 mm (68.31 in)	1855 mm (73.03 in)	2105 mm (82.87 in)	2115 mm (83.27 in)	2150 mm (84.65 in)	2295 mm (90.35 in)	2400 mm (94.49 in)	2550 mm (100.39 in)
Q	1300 mm (51.18 in)	1360 mm (53.54 in)	1345 mm (52.95 in)	1375 mm (54.13 in)	1560 mm (61.42 in)	1645 mm (64.76 in)	1643 mm (64.69 in)	1708 mm (67.24 in)

BOLSTER

Fig. 1

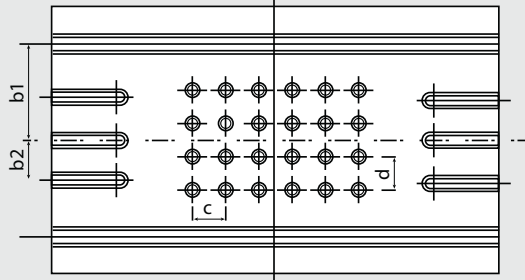


Fig. 2

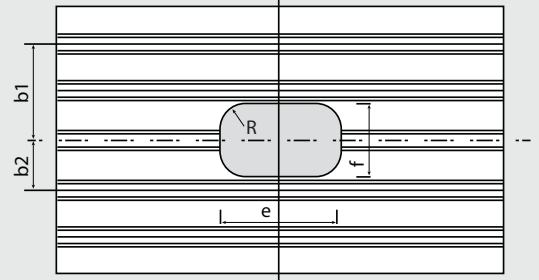


Fig. 3

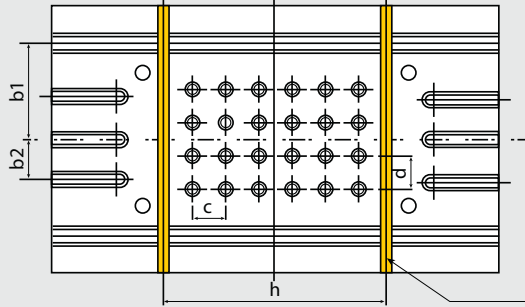
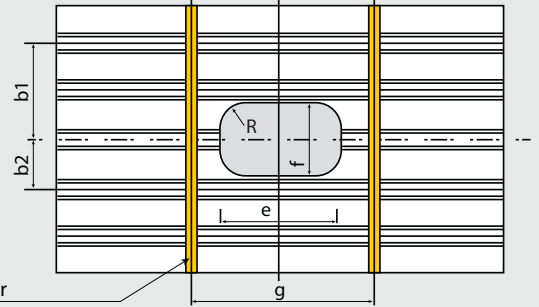


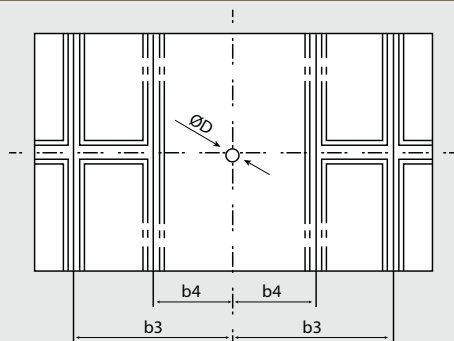
Fig. 2



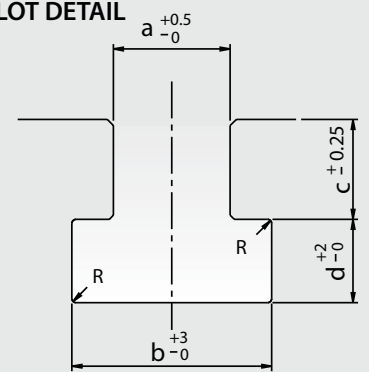
with "U" slot for die lifter

MODEL	GL1-80	GL1-110	GL1-160	GL1-200
Type of T-Slot	A	B	B	B
No. of T-Slot	3	5	5	5
No. of Pin Hole x Dia.	24 x Ø20	24 x Ø28	24 x Ø28	35 x Ø28
c x d	75 x 75 mm (2.95 x 2.95 in)	90 x 90 mm (3.54 x 3.54 in)	100 x 100 mm (3.94 x 3.94 in)	100 x 100 mm (3.94 x 3.94 in)
b1	150 mm (5.91 in)	250 mm (9.84 in)	300 mm (11.81 in)	300 mm (11.81 in)
b2	--	150 mm (5.91 in)	150 mm (5.91 in)	150 mm (5.91 in)
e x f	360 x 180 mm (14.17 x 7.09 in)	400 x 200 mm (15.75 x 7.87 in)	440 x 220 mm (15.75 x 7.87 in)	480 x 240 mm (18.90 x 9.45 in)
R	30 mm (1.18 in)	30 mm (1.18 in)	30 mm (1.18 in)	30 mm (1.18 in)
g	480 mm (18.90 in)	480 mm (18.90 in)	520 mm (20.47 in)	560 mm (22.05 in)
h	440 mm (15.75 in)	530 mm (20.87 in)	580 mm (22.84 in)	680 mm (26.77 in)

SLIDE PLATE



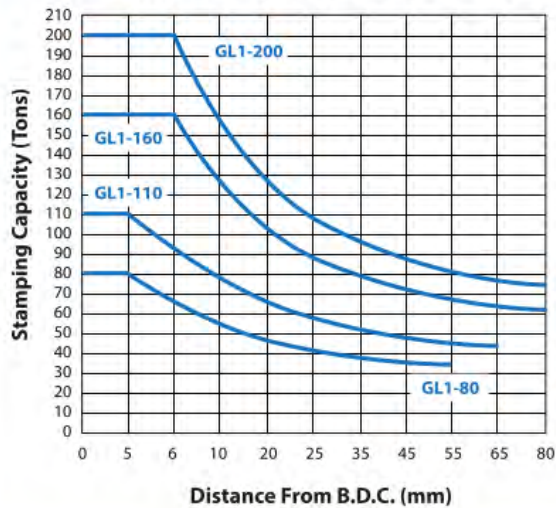
T-SLOT DETAIL



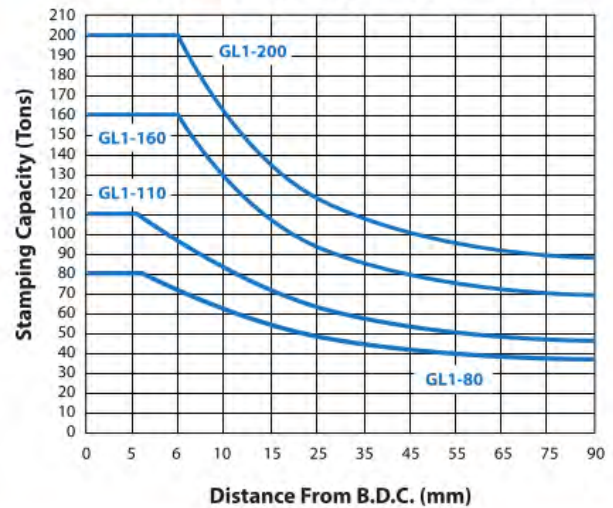
MODEL	GL1-80	GL1-110	GL1-160	GL1-200
Slide Plate Area (LR x FB)	560 x 460 mm (22.05 x 18.11 in)	650 x 520 (25.59 x 20.47 in)	700 x 580 (27.56 x 22.84 in)	850 x 650 (33.47 x 25.59 in)
No. of T-Slot	A	B	B	B
No. of T-Slot	2	2	4	4
Shank Hole Dia.	Ø 50	Ø 50	Ø 50	Ø 50
b3	150 mm (5.91 in)	150 mm (5.91 in)	300 mm (11.81 in)	300 mm (11.81 in)
b4	--	--	150 mm (5.91 in)	150 mm (5.91 in)

Dim.	Type	A	B
a		22 mm (0.87 in)	28 mm (1.10 in)
b		37 mm (1.46 in)	48 mm (1.89 in)
c		24 mm (0.94 in)	28 mm (1.10 in)
d		16 mm (0.63 in)	20 mm (0.79 in)
R		1 mm (0.04 in)	1 mm (0.04 in)

Stroke Capacity Diagram (B)



Stroke Capacity Diagram (D)



GL1 Series - Standard Features

- Variable frequency drive
- Hydraulic overload protection (H.O.L.P.)
- Removable side plate
- OmniLink 5100-MPC press controls
- Automatic grease lubrication system
- Slide knockout device

GL1 Series - Optional Features

- Die cushion
- Eddy Current V. S. motor
- Slide knockout device
- Safety light curtain
- Main motor reversing circuit
- Portable 2-hand pushbutton t-stand
- Foot switch
- Anti-vibration press mounts
- Remote monitoring and control systems
- Power take-off shaft
 - » Crankshaft front-end extension
- Quick die change system
 - » Upper
 - » Lower die clamps
 - » Die lifters
 - » Die arms
- Die light
- Coil handling and feeding system

Hydraulic Overload Protector (H.O.L.P.)



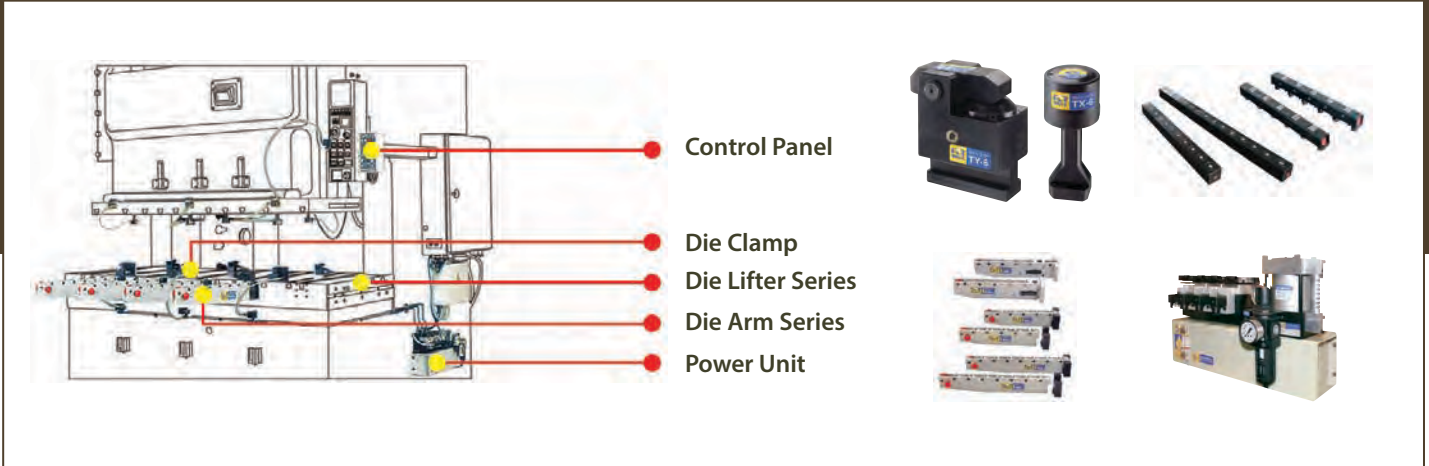
Automatic Grease Lubrication System



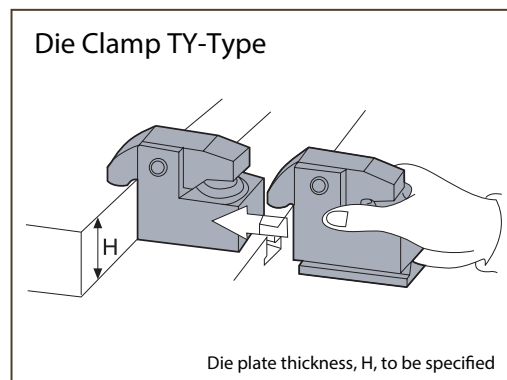
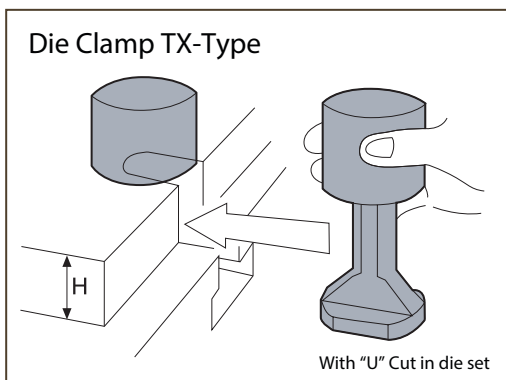
Feeding and Coil Handling Equipment



Quick Die Change System (Q.D.C.)



Option			Qty	Model	GL1-180		GL1-110		GL1-160		GL1-200	
					B	D	B	D	B	D	B	D
Die Clamp	Upper	TX-2 or TY-2	Clamping force - 2 tons / pc									
		TX-4 or TY-4	Clamping force - 4 tons / pc	4		4		4		4		
		TX-6 or TY-6	Clamping force - 6 tons / pc									
	Lower	TX-2 or TY-2	Clamping force - 2 tons / pc	4		4		4		4		
		TX-4 or TY-4	Clamping force - 4 tons / pc									
		TX-6 or TY-6	Clamping force - 6 tons / pc									
Die Lifter		DL28-400	Pay load - 1.1 tons / pc	2								
		DL28-500	Pay load - 1.2 tons / pc			2						
		DL28-600	Pay load - 1.4 tons / pc		2		2	2		2		
		DL28-700	Pay load - 1.5 tons / pc						2			
		DL28-800	Pay load - 1.6 tons / pc									2
Die Arm		RC-700-600	Pay load - 600 kg / pc	2		2						
		RC-800-800	Pay load - 800 kg / pc					2				
		RC-900-900	Pay load - 900 kg / pc								2	
Hydraulic power unit (FP6308U)				1								



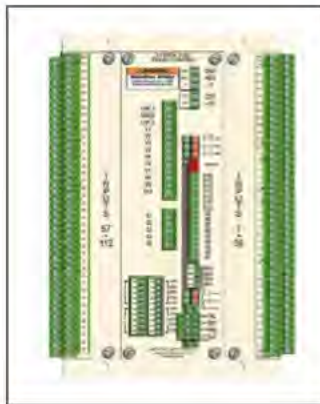
OmniLink System

5100-MPC Press Controls

Link's custom engineered OmniLink System 5100-MPC part revolution mechanical power press controls provide unmatched features and flexibility to achieve the ultimate in pressroom productivity and safety at modest cost.

OmniLink 805 Operator Terminal: The user friendly OmniLink 805 Operator Terminal uses a Color 5.7"LCD TFT with 640 x 480 pixel resolution and touch screen.

OmniLink System 5100-MPC Press Controls are designed to meet all functional safety requirements of current and anticipated OSHA 29 CFR 1910.217, ANSI B11.1, and CSA Z142 standards, and to provide safety features in addition to these standards when properly applied, adjusted, installed and used.



OmniLink - Standard Features

- **Stopping Time Performance (Brake) Monitor**
- **Motion Detection**
- **Clutch Engagement Time Monitor**
- **Counters:** Four counters are standard.
- **Die Protection:** Four Die Protection / Process Monitoring inputs standard.
- **Job Storage and Recall:** Parameters for up to 100 jobs can be stored.
- **Diagnostics:** The intelligent diagnostics of the OmniLink System 5100-MPC control are displayed in English or Spanish.
- **Stroking Modes:** Off, Inch, Automatic Timed Inch, Setup/Stop Time Test, Single Stroke (Cycle), and Continuous are standard, Automatic Single Stroke (Cycle), Maintained Continuous, and Continuous on Demand are optional.
- **Event Log:** Displays the date, time and reason for the last 256 stops.
- **Displays:** All system information in either English or Spanish.
- **Automatic Top Stop Compensation:** Automatically compensates top stop for speed to stop variable speed presses at top of stroke over the entire speed range.

OmniLink - Optional Features

- **PLS Outputs:** Either four or eight optional programmable limit switch outputs are available to sequence and time automation with the stroking of the press.
- **Analog Speed Control / Load Option**
- **Tonnage Monitor:** 2 or 4 channel peak forward and reverse.
- **LinkNet:** The optional LinkNet information system allows presses equipped with the OmniLink System 5100 control to be connected with a computer equipped with Link's LinkNet software via a serial communications network.
- **Optional AD1 Angle / Speed Displays:** These displays provide a large graphical circular crankshaft position indicator and digital display of angle or stroking speed for visibility at a distance.
- **Communication Card:** For serial feed interface and / or LinkNet.
- **Safety Relay Modules:** Up to four safety relay outputs. These relays can be used to give automation used with the press production system control reliable stop signals when an emergency stop, light curtain or other protective input stop signal occurs.



STAMTEC®

METAL STAMPING & FORMING EQUIPMENT

Stamtec has been providing dependable, affordably priced metal stamping presses for almost 30 years in the North American market, and 60 years worldwide through our parent company Chin Fong. Our 72,000 sq. ft. sales, service, logistics, and assembly facility in Tennessee is home not only to North America's largest inventory of new presses and spare parts, but also our most important asset - our people. Our staff of engineering, sales, service, and support personnel are here to serve you in the most timely and professional manner. So, tap into our global strength, and grow with us as we grow with you!



GAP FRAME PRESSES

1-POINT AND 2-POINT



STRAIGHT SIDE PRESSES

1-POINT, 2-POINT AND 4-POINT



SERVO PRESSES

1-POINT AND 2-POINT
GAP AND STRAIGHT SIDE



FORGING PRESSES

WARM / HOT AND COLD



COIL FEEDING & HANDLING SYSTEMS

STAMTEC®

METAL STAMPING & FORMING EQUIPMENT

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