

Straight Side Double Crank Presses

GTX



176 . 220 . 275 . 330 . 440 . 550 tons

GTX

Straight Side Double Crank Presses

The Stamtec GTX double crank press was designed for stamping relatively long, narrow parts at high single stroking rates or in continuous mode, using either blanks or coil stock; or running progressive dies that need the longer bed area to accommodate long dies with multiple stations.

The GTX provides a large die area at a very economical price, while still providing the rigidity and low deflection characteristics of a traditional straight side press.

The heavy, welded steel frame is fully stress relieved and designed to resist deflection and provide accurate stampings and long die life.

The Stamtec clutch delivers full torque at relatively low air pressure, resulting in longer lining life. Linings running in an enclosed oil bath dissipate heat and prolong the life of clutch and brake linings.

Extra long 6-point box type centered gibs, assure accurate slide guiding. This provides full control front to back and left to right, through the entire length of the working stroke, minimizing the lateral thrust load on the slide.

Operability

Reliability

Productivity



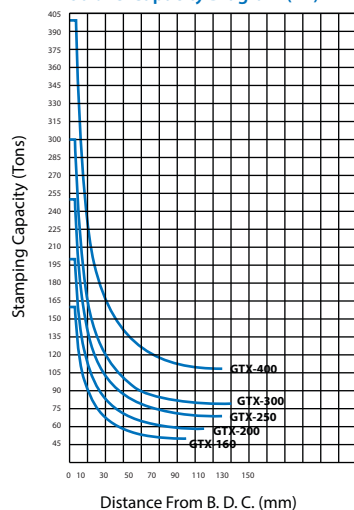
STANDARD FEATURES

- Wet type clutch and brake
- Hydraulic overload system
- Super rigid, low deflection steel frame
- Large windows
- Cast slide, with removable, t-slotted slide plate
- Motorized slide adjustment
- Wide, box-type centered gibs
- Air counterbalance system
- T-slotted bolster
- Flywheel brake
- Automatic lubrication system
- Digital die height indicator
- Overrun detector (brake monitor)
- Motorized grease pump
- Dual air safety valve
- Floor standing electric control cabinet
- Press control with:
 - » Six (6) programmable limit switches
 - » Four (4) programmable die motor inputs
 - » 6-digit part & batch counters
 - » LCD display screen for status and fault messages
 - » LED display for crank angle and spm
 - » Interlocked die safety block
- HMI operation panel
 - » Electronic crank angle LED display
 - » Electronic S.P.M. LED display
 - » LCD type press status monitor
- Operation mode selection
 - » Off / inching / safety one stroke / continuous
- Total counter, 6 digits
- Preset counter, 6 digits
- Maintenance counter, 4 digits
- Life counter, 10 digits
- Electronic rotary cam (6 spare channels)
- Air ejector, 3/8", one channel
- Air source receptacle, 3/8", two channel
- Misfeed detection circuit
- Power receptacle (available only for single phase, 110V power source wiring by user)
- Flywheel safety guard
- Eddy current drive VS motor
- Main motor reversing circuit
- Portable 2-hand pushbutton t-stand
- Inverter & main motor reversing circuit

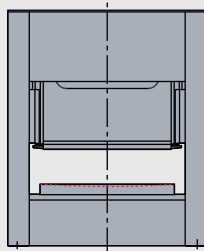
OPTIONAL FEATURES

- Link motion drive technology
- Press controls from industry leaders such as Wintriss, Link, Helm (Allen-Bradley), Toledo (Allen-Bradley) Siemens, Mitsubishi, etc.
- Anti-vibration press leveling mounts
- Safety light curtains
- Tonnage monitor
- Die cushion
- Knockout bar
- Feeding and coil handling systems
- Flywheel brake
- Die space light
- Anchor bolts & foundation plates
- VFD-variable frequency drive
- Quick die change system
 - » Upper die clamp
 - » Lower die clamp
 - » Die lifter
 - » Die arm

Stroke-Capacity Diagram (H)



Produce High Quality Stampings with Low Deflection, Ultra-Rigid Steel Frame

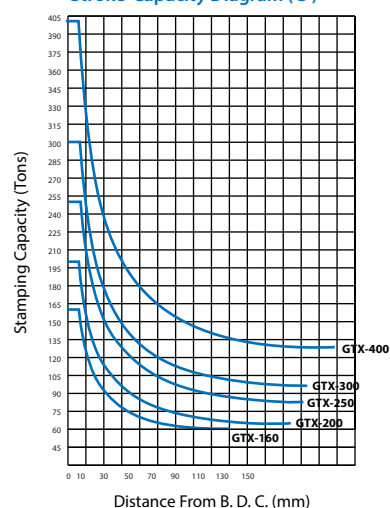


The Stamtec GTX Series is designed to resist deflection, and to provide accurate pressings and longer die life, even at full tonnage loads. The heavy, one-piece welded steel frame is fully stress relieved to provide a stable base for the GTX Series presses.

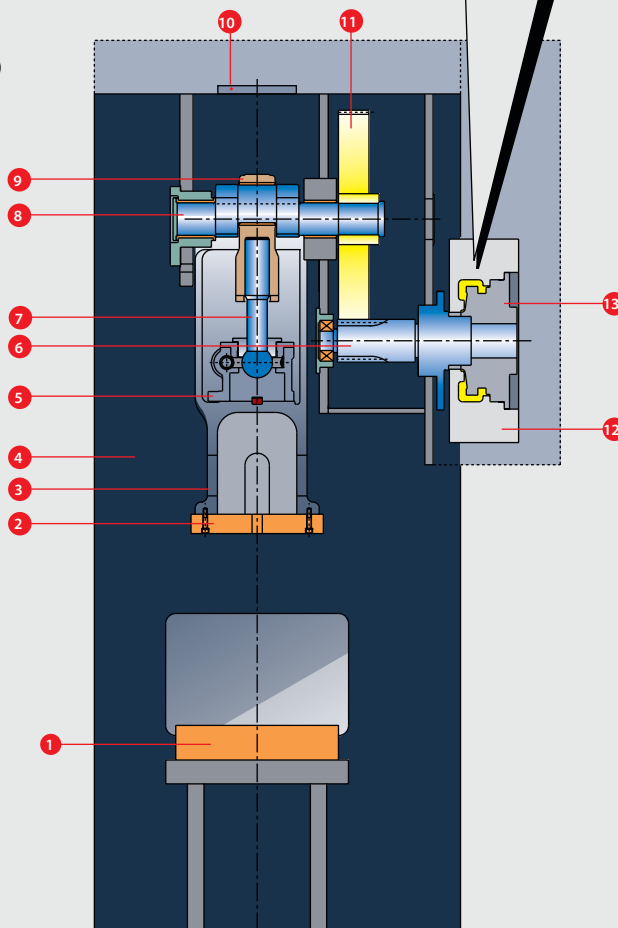
Get High Performance with Low Maintenance, Long-Life Wet Clutch and Brake

The Stamtec clutch delivers high torque at relatively low air pressure, and with a low moment of inertia. Modern, suited clutch and brake friction linings combine high performance with low vibration and noise. The linings run in an enclosed oil bath, providing very efficient heat dissipation. Together, these superior features add up to a high performance, efficient, long-lived clutch, with reduced lining wear and air consumption, even at high single-stroke rates of production.

Stroke-Capacity Diagram (S)

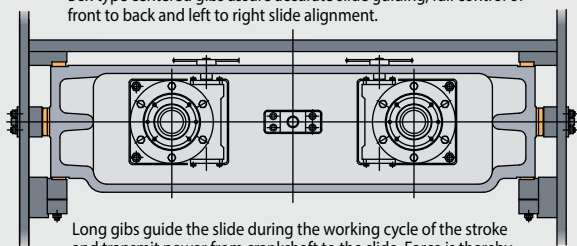


1. Bolster
2. Slide Plate (Detachable)
3. Slide
4. Steel Frame
5. Worm Gear Housing
6. Pinion Shaft
7. Adjusting Screw
8. Crankshaft
9. Con-Rod
10. Counter Balance
11. Main Gear
12. Flywheel
13. Wet Clutch & Brake



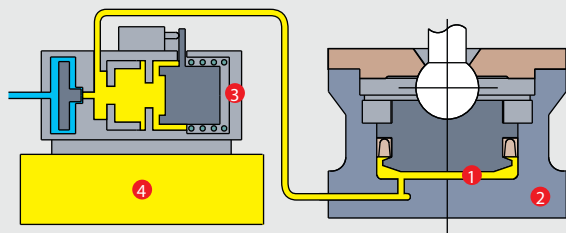
Assure Accurate Vertical Force with Centered Box-Type Gibbing

Box type centered gibs assure accurate slide guiding, full control of front to back and left to right slide alignment.



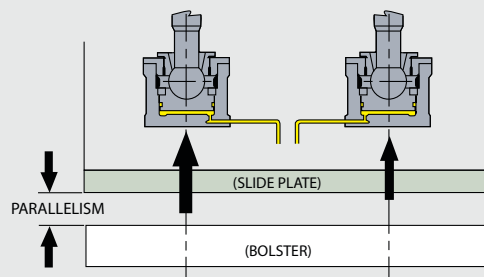
Long gibs guide the slide during the working cycle of the stroke and transmit power from crankshaft to the slide. Force is thereby delivered vertically, minimizing the lateral thrust found as the cause of friction in the gibs, and offcenter loads.

Protect Press and Dies with Fast Response HOLP



Stamtec's fast response Hydraulic Overload Protection (HOLP) system relieves the pressure of a tonnage overload in milliseconds and simultaneously issues an emergency stop signal to the press control, protecting the press and tooling from catastrophic damage. The HOLP system automatically re-pressurizes when the slide is inched back to top of stroke. The HOLP system can also be relieved manually to assist in un-sticking a die which is stuck on bottom of stroke.

Maintain Parallelism During Off Center Loads



If unequal loads are applied across the slide, full oil pressure from the overload system is applied where required to retain the parallelism between slide plate and bolster for consistent quality of stampings and extended tooling life.

SPECIFICATIONS

MODEL GTX-160

MODEL GTX-200

Type		S	H	S	H
Capacity	US Tons	176	176	220	220
	Metric ton	160	160	200	200
Stroke Length	Inch	7.08	5.12	9.84	5.9
	mm	180	130	250	150
Speed	SPM	30 ~ 55	40 ~ 85	20 ~ 50	35 ~ 70
Tonnage Rating Point	Inch	0.24	0.12	0.236	0.118
	mm	6	3	6	3
Die Height	Inch	17.71	15.75	19.68	17.72
	mm	450	400	500	450
Maximum Upper Die Weight	Lbs	2645	2645	3306	3306
	Kgs	1200	1200	1500	1500
	Lbs	--	--	--	--
	Kgs	--	--	--	--
Slide Adjustment-Powered	Inch	3.94	3.94	4.72	4.72
	mm	100	100	120	120
Slide Area (L-R X F-B)	Inch	63.00 x 25.59	63.00 x 25.59	72.83 x 29.53	72.83 x 29.53
	mm	1600 x 650	1600 x 650	1850 x 750	1850 x 750
	Inch	--	--	--	--
	mm	--	--	--	--
Bolster Area (L-R X F-B)	Inch	71.00 x 29.92	71.00 x 29.92	86.61 x 37.00	86.61 x 37.00
	mm	1800 x 760	1800 x 760	2200 x 940	2200 x 940
	Inch	--	--	--	--
	mm	--	--	--	--
Bolster Thickness	Inch	5.91	5.91	6.3	6.3
	mm	150	150	160	160
Slide Plate Thickness	Inch	2.75	2.75	3.74	3.74
	mm	70	70	95	95
Floor to top of bolster	Inch	39.37	39.37	38.98	38.98
	mm	1000	1000	990	990
Opening Through Side Frame (Window)	Inch	27.56 x 17.72	27.56 x 17.72	35.43 x 23.62	35.43 x 23.62
	mm	700 x 450	700 x 450	900 x 600	900 x 600
Overall Height (Approx)	Inch	163.39	159.45	183.07	177.16
	mm	4150	4050	4650	4500
Weight (Approx)	Lbs	60000	60000	61729	59525
	Kgs	27215	27215	28000	27000
Main motor equipped with variable frequency drive		20 HP	20 HP	25 HP	25 HP
Slide Adjusting Motor		1 HP	1 HP	2 HP	2 HP

Parallelism: Slide to Bolster - .001" per foot or less

Deflection: .0015" per foot or less R to L & F to B with 2/3 of the bed symmetrically loaded.

MODEL GTX-250
MODEL GTX-300

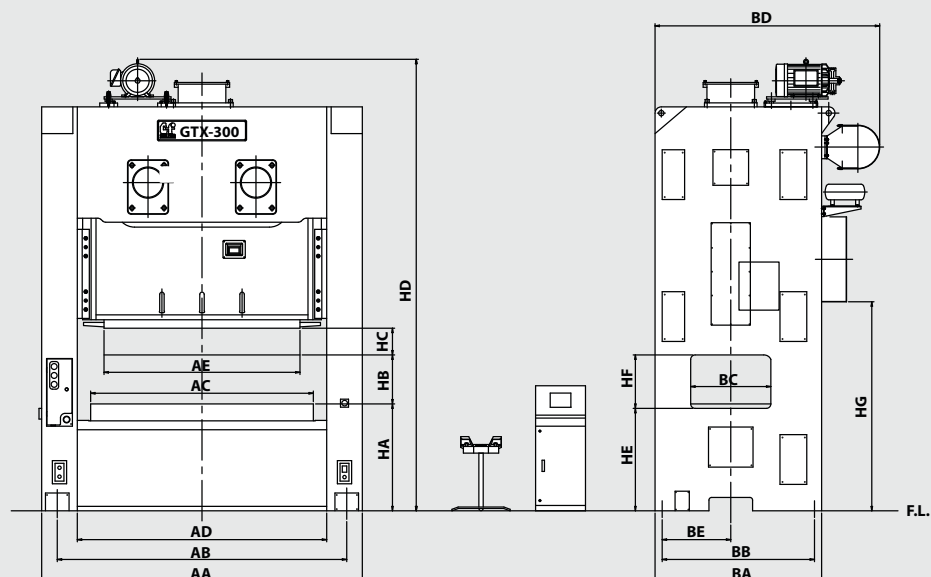
S			H			S			H
275			275			330			330
250			250			300			300
11.02			6.69			11.81			6.69
280			170			300			170
20 ~ 40			30 ~ 60			20 ~ 35			30 ~ 50
0.276			0.118			0.276			0.118
7			3			7			3
21.65			17.72			21.65			17.72
550			450			550			450
4850			4850			A	5291		5291
2200			2200			B	2400		2400
--			--			C	7054		7054
--			--			D	3200		3200
4.72			4.72			4.72			4.72
120			120			120			120
A	Inch	82.68 x 35.43	A	Inch	82.68 x 35.43	A	Inch	86.64 x 35.43	86.64 x 35.43
	mm	2100 x 900		mm	2100 x 900		mm	2200 x 900	2200 x 900
B	Inch	94.49 x 35.43	B	Inch	94.49 x 35.43	B	Inch	98.42 x 35.43	98.42 x 35.43
	mm	2400 x 900		mm	2400 x 900		mm	2500 x 900	2500 x 900
--		--	--		--	C	Inch	110.23 x 35.43	110.23 x 35.43
		--			mm		2800 x 900	2800 x 900	
--		--	--		--	D	Inch	122.04 x 35.43	122.04 x 35.43
		--			mm		3100 x 900	3100 x 900	
A	Inch	98.42 x 39.37	A	Inch	98.42 x 39.37	A	Inch	98.42 x 39.37	98.42 x 39.37
	mm	2500 x 1000		mm	2500 x 1000		mm	2500 x 1000	2500 x 1000
B	Inch	110.24 x 39.37	B	Inch	110.24 x 39.37	B	Inch	110.23 x 39.37	110.23 x 39.37
	mm	2800 x 1000		mm	2800 x 1000		mm	2800 x 1000	2800 x 1000
--		--	--			C	Inch	122.04 x 39.37	122.04 x 39.37
		mm					3100 x 1000	3100 x 1000	
--		--	--			D	Inch	133.86 x 39.37	133.86 x 39.37
		mm					3400 x 1000	3400 x 1000	
6.3			6.3			7.48			7.48
160			160			190			190
3.74			3.74			3.74			3.74
95			95			95			95
39.37			39.37			47.24			47.24
1000			1000			1200			1200
35.43 x 23.62			35.43 x 23.62			35.43 x 23.62			35.43 x 23.62
900 x 600			900 x 600			900 x 600			900 x 600
194.88			194.88			208.66			202.76
4950			4950			5300			5150
90390			90390			88846			88846
41000			41000			40300			40300
25 HP			25 HP			30 HP			30 HP
2 HP			2 HP			4 HP			4 HP

MODEL GTX-400

MODEL GTX-500

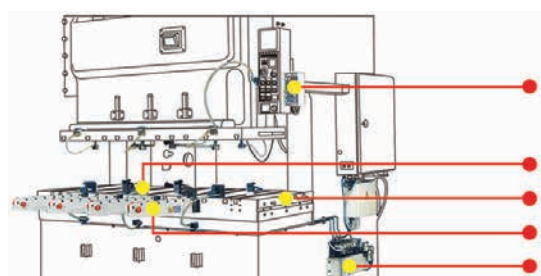
S			H	S	
440			440	550	
400			400	500	
11.81			6.69	13.78	
300			170	350	
20 ~ 35			30 ~ 50	20 ~ 30	
0.276			0.118	0.276	
7			3	7	
21.65			17.72	39.37	
550			450	1000	
A	5291		5291	8818	
B	2400		2400	4000	
C	7055		7055	--	
D	3200		3200		
4.72			4.72	4.72	
120			120	120	
A	Inch	86.61 x 35.43	86.61 x 35.43	Inch	114.17 x 51.18
	mm	2200 x 900	2200 x 900		
B	Inch	98.42 x 35.43	98.42 x 35.43	mm	2900 x 1300
	mm	2500 x 900	2500 x 900		
C	Inch	110.24 x 35.43	110.24 x 35.43	--	
	mm	2800 x 900	2800 x 900		
D	Inch	122.05 x 35.43	122.05 x 35.43		
	mm	3100 x 900	3100 x 900		
A	Inch	98.42 x 39.36	98.42 x 39.36	Inch	125.98 x 51.18
	mm	2500 x 1000	2500 x 1000		
B	Inch	110.23 x 39.36	110.23 x 39.36	mm	3200 x 1300
	mm	2800 x 1000	2800 x 1000		
C	Inch	122.05 x 39.36	122.05 x 39.36	--	
	mm	3100 x 1000	3100 x 1000		
D	Inch	133.87 x 39.36	133.87 x 39.36		
	mm	3400 x 1000	3400 x 1000		
7.48			7.48	9.84	
190			190	250	
3.74			3.74	3.74	
95			95	95	
47.24			47.24	52.75	
1200			1200	1340	
35.43 x 23.62			35.43 x 23.62	35.43 x 27.56	
900 x 600			900 x 600	900 x 700	
220			224.4	230.9	
5580			5700	5865	
121000			121000	--	
55000			55000	--	
30HP			30HP	50 HP	
2 HP			2 HP	3 HP	

OUTLINE DIMENSIONS



MODEL	GTX-160		GTX-200		GTX-250		GTX-300		GTX-400	
TYPE	S	H	S	H	S	H	S	H	S	H
AA	2590 mm / 101.96 in		3000 mm / 118.11 in		3600 mm / 141.73 in		3600 mm / 141.73 in		3600 mm / 141.73 in	
AB	2240 mm / 88.19 in		2650 mm / 104.33 in		3250 mm / 127.95 in		3250 mm / 127.95 in		3250 mm / 127.95 in	
AC	1800 mm / 70.87 in		2200 mm / 86.61 in		2500 mm / 98.43 in		2500 mm / 98.43 in		2500 mm / 98.43 in	
AD	1880 mm / 74.02 in		2290 mm / 90.16 in		2800 mm / 110.24 in		2800 mm / 110.24 in		2800 mm / 110.24 in	
AE	1600 mm / 63 in		1850 mm / 72.86 in		2100 mm / 82.68 in		2200 mm / 86.61 in		2200 mm / 86.61 in	
BA	1450 mm / 57.09 in		1600 mm / 63.00 in		1770 mm / 69.68 in		1870 mm / 73.62 in		2000 mm / 78.44 in	
BB	1290 mm / 50.79 in		1440 mm / 56.69 in		1610 mm / 63.39 in		1710 mm / 67.32 in		1840 mm / 72.44 in	
BC	700 mm / 27.56 in		900 mm / 35.43 in		900 mm / 35.43 in		900 mm / 35.43 in		900 mm / 35.43 in	
BD	2150 mm / 84.65 in		2250 mm / 88.58 in		2450 mm / 96.46 in		2550 mm / 88.58 in		2700 mm / 106.30 in	
BE	490 mm / 19.29 in		620 mm / 24.41 in		670 mm / 26.38 in		770 mm / 30.31 in		770 mm / 30.31 in	
HA	1000 mm / 39.37 in		990 mm / 38.98 in		1090 mm / 42.91 in		1200 mm / 47.24 in		1200 mm / 47.24 in	
HB	450 mm 17.72 in	400 mm 19.68 in	500 mm 19.68 in	450 mm 17.72 in	550 mm 21.65 in	450 mm 17.72 in	550 mm 21.65 in	450 mm 17.72 in	550 mm 21.65 in	450 mm 17.72 in
HC	180 mm 7.08 in	130 mm 5.11 in	250 mm 9.84 in	150 mm 5.91 in	280 mm 11.02 in	179 mm 6.69 in	300 mm 11.81 in	170 mm 6.69 in	300 mm 11.81 in	170 mm 6.69 in
HD	4150 mm 163.39 in	4050 mm 159.45 in	4650 mm 183.07 in	4500 mm 177.16 in	4950 mm 194.88 in	4800 mm 202.76 in	5300 mm 208.66 in	5150 mm 202.76 in	5850 mm 230.31 in	5700 mm 224.40 in
HE	950 mm / 37.40 in		940 mm / 37.01 in		1040 mm / 40.94 in		1150 mm / 45.28 in		1150 mm / 45.28 in	
HF	450 mm / 17.72 in		600 mm / 23.62 in		600 mm / 23.62 in		600 mm / 23.62 in		600 mm / 23.62 in	
HG	1800 mm / 70.86 in		1900 mm / 74.80 in		2000 mm / 78.74 in		2300 mm / 90.55		2300 mm / 90.55	

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



Control Panel

Die Clamp

Die Lifter Series

Die Arm Series

Power Unit



Fig. 1

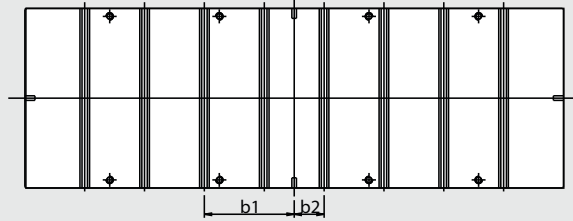


Fig. 3 (with "u" slot for die lifter)

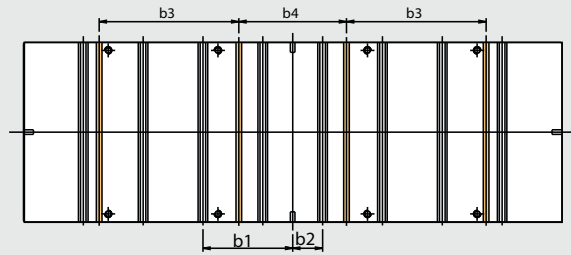


Fig. 2

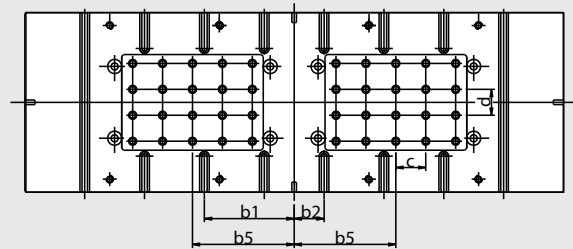
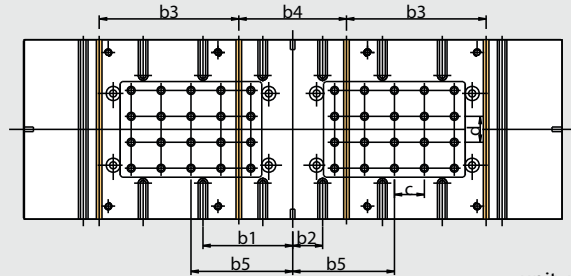


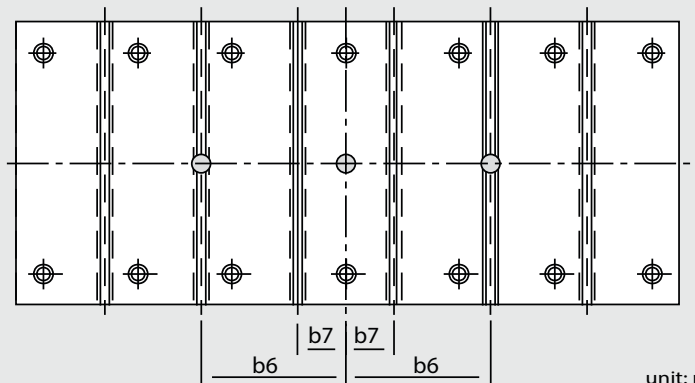
Fig. 4 (with "u" slot for die lifter)



unit: mm

MODEL	GTX-160	GTX-200	GTX-250	GTX-300	GTX-400
Bolster Area (LR x FB)	1800 x 760 mm / 70.86 x 29.92 in	1800 x 760 mm / 70.86 x 29.92 in	220 x 940 mm / 86.61 x 37.01 in	2500 x 1000 mm / 98.42 x 39.37 in	2500 x 1000 mm / 98.42 x 39.37 in
Type of T-Slot	A	A	A	B	B
No. of T-Slot	8	8	8	8	8
b1	375 mm / 14.76 in	375 mm / 14.76 in	375 mm / 14.76 in	450 mm / 17.72 in	450 mm / 17.72 in
b2	125 mm / 4.92 in	125 mm / 4.92 in	125 mm / 4.92 in	150 mm / 5.91 in	150 mm / 5.91 in
b3	450 mm / 17.72 in	450 mm / 17.72 in	710 mm / 27.96 in	680 mm / 26.77 in	680 mm / 26.77 in
b4	520 mm / 20.47 in	520 mm / 20.47 in	520 mm / 20.47 in	540 mm / 21.26 in	540 mm / 21.26 in
b5	415 mm / 16.34 in	415 mm / 16.34 in	455 mm / 17.91 in	510 mm / 20.08 in	510 mm / 20.08 in
Fig 2, Fig 4	No. of Pin Hole x Dia.	48 x 20 mm / 1.89 x 0.79 in	48 x 20 mm / 1.89 x 0.79 in	48 x 20 mm / 1.89 x 0.79 in	70 x 28 mm / 2.76 x 0.79 in
	c x d	75 x 75 mm / 2.95 x 2.95 in	75 x 75 mm / 2.95 x 2.95 in	100 x 100 mm / 3.94 x 3.94 in	100 x 100 mm / 3.94 x 3.94 in

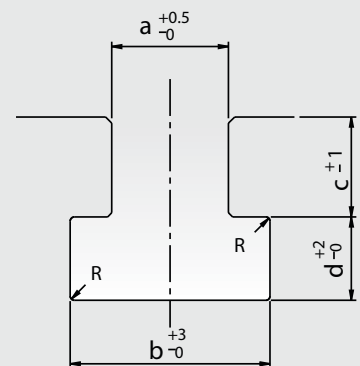
SLIDE PLATE



unit: mm

MODEL	GTX-160	GTX-200	GTX-250	GTX-300	GTX-400
Slide Plate Area (LR x FB)	1600 x 650 mm / 62.99 x 25.59 in	1850 x 750 mm / 72.83 x 29.53 in	2100 x 900 mm / 92.67 x 35.43 in	2200 x 900 mm / 86.61 x 35.43 in	2200 x 900 mm / 86.61 x 35.43 in
Type of T-Slot	A	B	B	B	B
No. of T-Slot	6	6	6	6	6
b6	375 mm / 14.76 in	375 mm / 14.76 in	450 mm / 17.72 in	450 mm / 17.72 in	450 mm / 17.72 in
b7	125 mm / 4.92 in	125 mm / 4.92 in	150 mm / 5.91 in	150 mm / 5.91 in	150 mm / 5.91 in

T-Slot Detail



unit: mm

Dim.	Type	A	B
a		22 mm / 0.087 in	28 mm / 1.10 in
b		37 mm / 1.46 in	48 mm / 1.89 in
c		25 mm / 0.98 in	28 mm / 1.10 in
d		16 mm / 0.63 in	20 mm / 0.79 in
r		1 mm / 0.04	1 mm / 0.04

OmniLink System

5100-APC Automation Press Controls

Model 806, 10.4" Color touch screen displays all system information in English or Spanish and provides easy settings and selections for control configuration, PLS, die protection, counters, etc.

1000 Job storage and recall to provide quick, consistent set-ups.

Eight (8) Die Protection/Process Monitoring inputs (up to 80 available optionally) located in the Operator Terminal. Nine monitoring modes are available for each die protection input.

Eight (8), programmable limit switch outputs (up to 96 available optionally) are available to sequence and time automation with the press.

56 control inputs and 8 sets of dual-tracking safety control inputs (many of which are configurable) for superb performance and diagnostics with 56 additional inputs available.

Outputs for clutch and brake, as well as optional output relays configurable for specific functions related to lube systems, motor controls, hydraulic overloads, flywheel brakes, automation, etc.

Screens to display the state of every input and output, lube system diagnostics, OIT diagnostics, configuration memory, and an event log with date, time and reason for the last 256 stops.

Stopping Time Performance (Brake) Monitor, Motion Detection, Clutch Engagement Time Monitor.

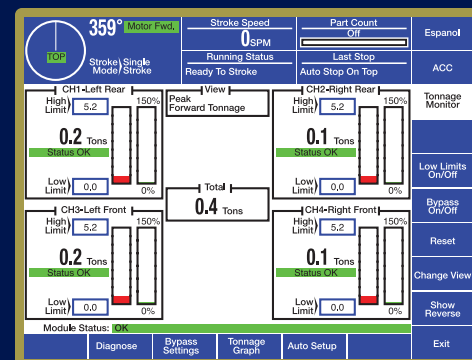
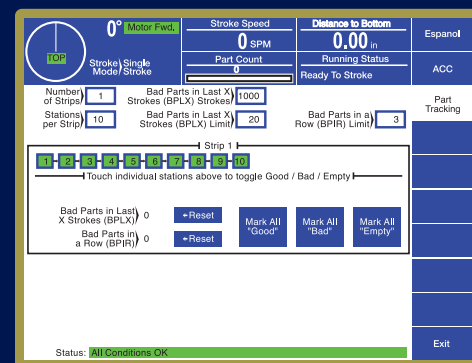
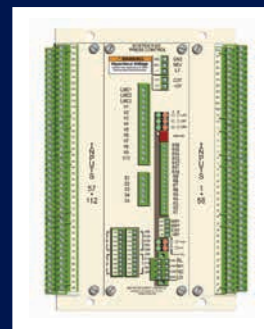
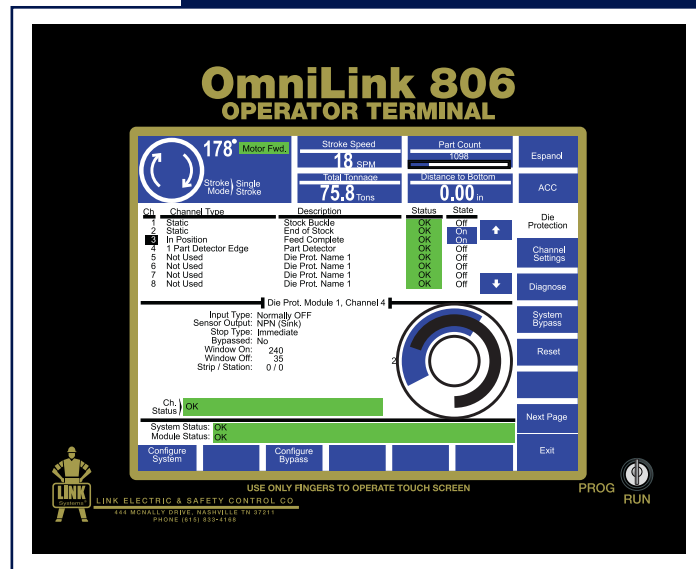
Stroking Modes- Off, Inch, Automatic Timed Inch, Setup/StopTime Test, Single Stroke (Cycle), and Continuous. (Optional modes- ,Automatic Single Stroke (Cycle), Maintained Continuous, and Continuous on Demand) (ALL STANDARD).

Automatic Top Stop Compensation for use with variable speed presses.

Four (4) nine-digit counters for Stroke, Parts, Batch, and Quality.

Superior safety with powerful diversely redundant cross-checked dual micro-processor logic systems.

Lasting value with rugged modular design and Link technical support.





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



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