STAMTEC®

METAL STAMPING & FORMING EQUIPMENT

Straight Side
Double Crank Presses

GTX

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

GTX SERIES

STRAIGHT-SIDE • DOUBLE-CRANK

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.

Heavy, one-piece welded steel frame is fully stress relieved and designed to resist deflection, providing more accurate stampings and longer die life.

Tonnage Range: 176 - 550

Available on Request

- Bolster Drawing
- T-Slot Detail
- Slide Plate Drawing
- General Assembly Drawing

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
- OmniLink 5100 APC press control (page 9)
- Air ejector, 3/8", one channel
- Air source receptacle, 3/8", two channel
- Flywheel safety guard
- Variable speed, variable frequency main motor drive
- Main motor reversing circuit
- Portable 2-hand pushbutton t-stand

OPTIONAL Features

- Link motion drive technology
- Customized press controls (see page 9)
- Pneumatic die cushion
- Anti-vibration press leveling mounts
- Safety light curtains
- Tonnage monitor
- Knockout bar
- Die space light
- Anchor bolts and foundation plates
- Quick-die change system (see page 9)
- Feeding and coil handling systems

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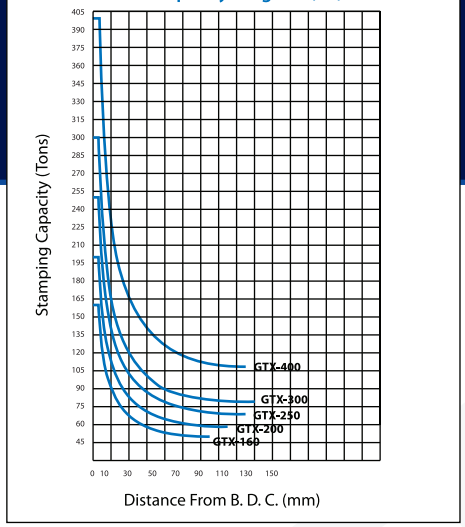
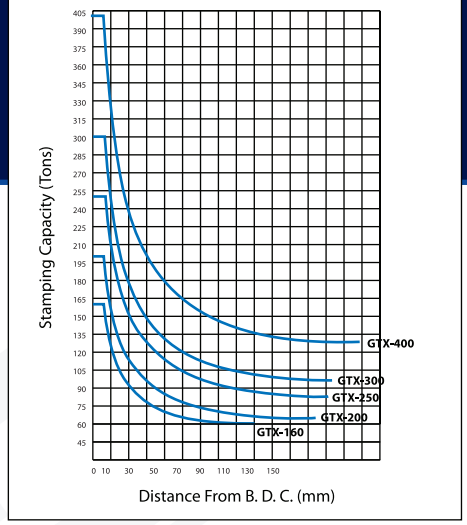
Stroke-Capacity Diagram (H)



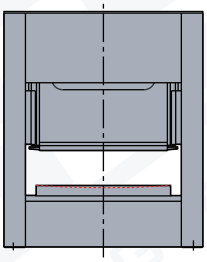
Stroke-Capacity Diagram (S)



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

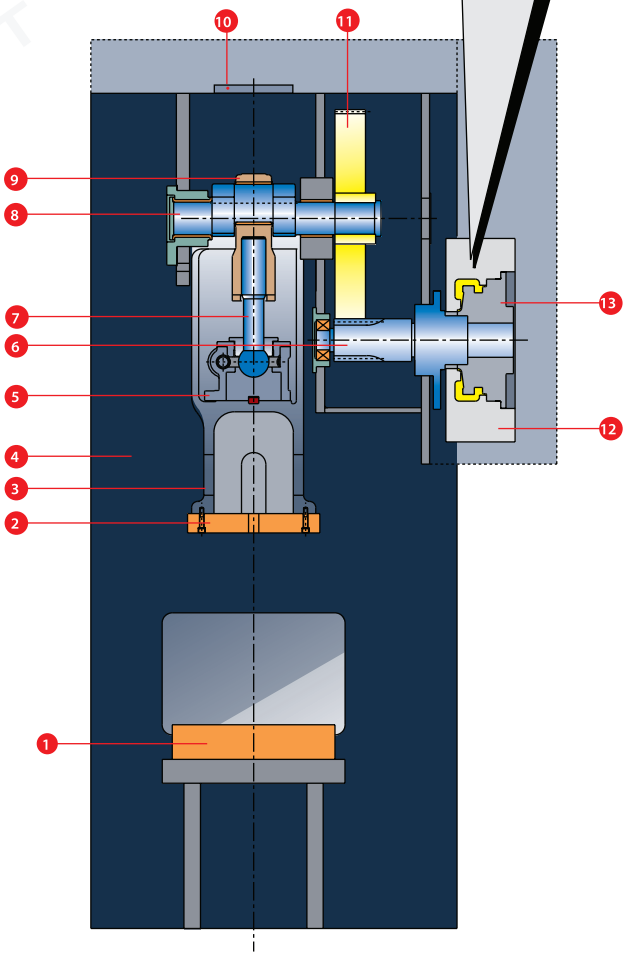
The Stamtec clutch delivers high torque at relatively low air pressure, and with a low moment of inertia. Modern, suited clutch and brake friction linings combine high performance with low vibration and noise. The linings run in an enclosed oil bath, providing very efficient heat dissipation. Together, 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.

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



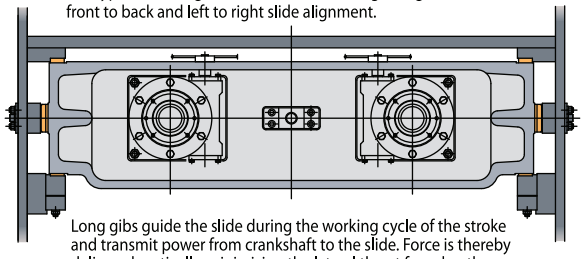
The Stamtec GTX Series is designed to resist deflection, and to provide accurate pressings and longer die life, even at full tonnage loads. The heavy, one-piece welded steel frame is fully stress relieved to provide a stable base for the GTX Series presses.

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



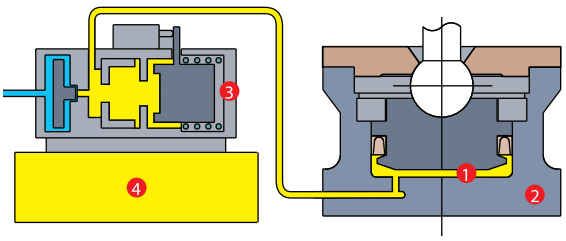
Assure Accurate Vertical Force with Centered Box-Type Gibbing

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



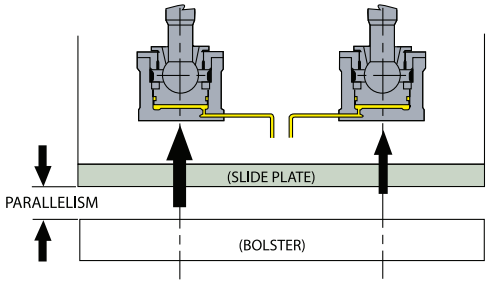
Long gibs guide the slide during the working cycle of the stroke and transmit power from crankshaft to the slide. Force is thereby delivered vertically, minimizing the lateral thrust found as the cause of friction in the gibs, and offcenter loads.

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		220	
	Metric Tons	160		200	
Rated tonnage point	in.	0.24	0.16	0.24	0.16
	mm	6	4	6	4
Stroke length	in.	7.08	5.12	9.84	5.90
	mm	180	130	250	150
Speed	SPM	30 ~ 55	40 ~ 85	20 ~ 50	35 ~ 70
Die height	in.	17.71	15.75	19.68	17.72
	mm	450	400	500	450
Maximum upper die weight	lbs.	2645.55		3306.93	
	kgs	1200		1500	
Slide adjustment	in.	3.94		4.72	
	mm	100		120	
Slide area (L-R X F-B)	in.	63.00 x 25.59		72.83 x 29.53	
	mm	1600 x 650		1850 x 750	
Slide plate thickness	in.	2.75		3.74	
	mm	70		95	
Bolster area (L-R X F-B)	in.	71.00 x 29.92		86.61 x 37.00	
	mm	1800 x 760		2200 x 940	
Bolster thickness	in.	5.91		6.3	
	mm	150		160	
Floor to top of bolster	in.	39.37		38.98	
	mm	1000		990	
Side frame opening (window)	in.	27.56 x 17.72		35.43 x 23.62	
	mm	700 x 450		900 x 600	
Main motor	Hp x p	20 x 4		25 x 4	
	Kw x p	15 x 4		18.5 x 4	
Slide adjusting motor	Hp x p	1 x 4		2 x 4	
	Kw x p	0.75 x 4		1.5 x 4	
Overall height (approx)	in.	163.39	159.45	183.07	177.16
	mm	4150	4050	4650	4500
Weight (approx)	lbs.	59998.81		61729.43	
	kgs	27215		28000	

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.

Die cushion: Available on request

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		MODEL GTX-250			MODEL GTX-300		
Type		**S**		**H**	**S**		**H**
Capacity	US Tons	275			330		
	Metric Tons	250			300		
Rated tonnage point	in.	0.28		0.20	0.28		0.20
	mm	7		5	7		5
Stroke length	in.	11.02		6.69	11.81		6.69
	mm	280		170	300		170
Speed	SPM	20 ~ 40		30 ~ 60	20 ~ 40		30 ~ 50
Die height	in.	21.65		17.72	21.65		17.72
	mm	550		450	550		450
Maximum upper die weight	lbs.	4850			A / B	lbs.	5291.10
						kgs	2400
	kgs	2200			C / D	lbs.	7054.79
						kgs	3200
Slide adjustment	in.	4.72			4.72		
	mm	120			120		
Slide area (L-R X F-B)	in.	A	in.	86.61 x 35.43	A	in.	86.61 x 35.43
						mm	2200 x 900
			mm	2200 x 900	B	in.	98.43 x 35.43
						mm	2500 x 900
	mm	B	in.	98.43 x 35.43	C	in.	110.24 x 35.43
						mm	2800 x 900
			mm	2500 x 900	D	in.	122.05 x 35.43
						mm	3100 x 900
Slide plate thickness	in.	3.74			3.74		
	mm	95			95		
Bolster area (L-R X F-B)	in.	A	in.	98.43 x 39.37	A	in.	98.43 x 39.37
						mm	2500 x 1000
			mm	2500 x 1000	B	in.	110.24 x 39.37
						mm	2800 x 1000
	mm	B	in.	110.24 x 39.37	C	in.	122.05 x 39.37
						mm	3100 x 1000
			mm	2800 x 1000	D	in.	133.86 x 39.37
						mm	3400 x 1000
Bolster thickness	in.	6.3			7.48		
	mm	160			190		
Floor to top of bolster	in.	39.37			47.24		
	mm	1000			1200		
Side frame opening (window)	in.	35.43 x 23.62			35.43 x 23.62		
	mm	900 x 600			900 x 600		
Main motor	Hp x p	30 x 4			40 X 4		
	Kw x p	22 x 4			30 X 4		
Slide adjusting motor	Hp x p	2 x 4			2 X 4		
	Kw x p	1.5 x 4			1.5 X 4		
Overall height (approx)	in.	194.88			208.66		202.76
	mm	4950			5300		5150
Weight (approx)	lbs.	88846.29			90389.53		
	kgs	40300			41000		
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.							
Die cushion: Available on request							

		MODEL GTX-400			MODEL GTX-500		
Type		**S**		**H**	**S**		**H**
Capacity	US Tons	440			550		
	Metric Tons	400			500		
Rated tonnage point	in.	0.28		0.24	0.28		0.24
	mm	7		6	7		6
Stroke length	in.	11.81		6.69	13.78		7.87
	mm	300		170	350		200
Speed	SPM	20 ~ 40		30 ~ 50	20 ~ 30		30 ~ 50
Die height	in.	21.65		17.72	21.65		19.68
	mm	550		450	550		500
Maximum upper die weight	lbs.	A / B	lbs.	5291.10	A / B	lbs.	6613.87
			kgs	2400		kgs	3000
	kgs	C / D	lbs.	7054.79	C / D	lbs.	8818.49
			kgs	3200		kgs	4000
Slide adjustment	in.	4.72			4.72		
	mm	120			120		
Slide area (L-R X F-B)		A	in.	86.61 x 35.43	A	in.	86.61 x 35.43
			mm	2200 x 900		mm	2200 x 900
		B	in.	98.43 x 35.43	B	in.	98.43 x 35.43
			mm	2500 x 900		mm	2500 x 900
		C	in.	110.24 x 35.43	C	in.	110.24 x 35.43
			mm	2800 x 900		mm	2800 x 900
		D	in.	122.05 x 35.43	D	in.	122.05 x 35.43
			mm	3100 x 900		mm	3100 x 900
Slide plate thickness	in.	3.74			3.74		
	mm	95			95		
Bolster area (L-R X F-B)		A	in.	98.43 x 39.37	A	in.	98.43 x 39.37
			mm	2500 x 1000		mm	2500 x 1000
		B	in.	110.24 x 39.37	B	in.	110.24 x 39.37
			mm	2800 x 1000		mm	2800 x 1000
		C	in.	122.05 x 39.37	C	in.	122.05 x 39.37
			mm	3100 x 1000		mm	3100 x 1000
		D	in.	133.86 x 39.37	D	in.	133.86 x 39.37
			mm	3400 x 1000		mm	3400 x 1000
Bolster thickness	in.	7.48			9.84		
	mm	190			250		
Floor to top of bolster	in.	47.24			52.75		
	mm	1200			1340		
Side frame opening (window)	in.	35.43 x 23.62			35.43 x 17.72		
	mm	900 x 600			900 x 450		
Main motor	Hp x p	50 x 4			60 x 4		
	Kw x p	37 x 4			45 x 4		
Slide adjusting motor	Hp x p	2 x 4			3 x 4		
	Kw x p	1.5 x 4			2.2 x 4		
Overall height (approx)	in.	219.69		224.41	230.9		
	mm	5580		5700	5865		
Weight (approx)	lbs.	121254.24			121254.24		
	kgs	55000			55000		
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.							
Die cushion: Available on request							

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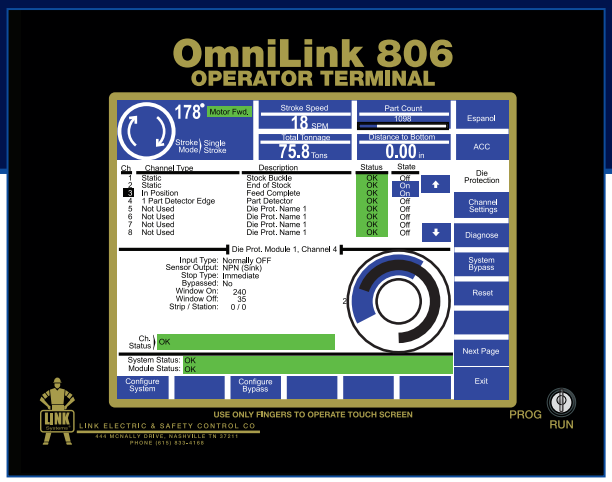
Press Controls

OmniLink 5100-APC (standard equipment)



Model 806, 10.4" color touch screen with English or Spanish display, provides easy setting 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 (configurable) for performance and diagnostics with 56 additional inputs.

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 / Stop Time Test, Single Stroke (Cycle), and Continuous. (Optional modes - Automatic Single Stroke (Cycle), Maintained Continuous, and Continuous on Demand).

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.

OPTIONAL Press Controls

from manufacturers including:

WINTRISS®

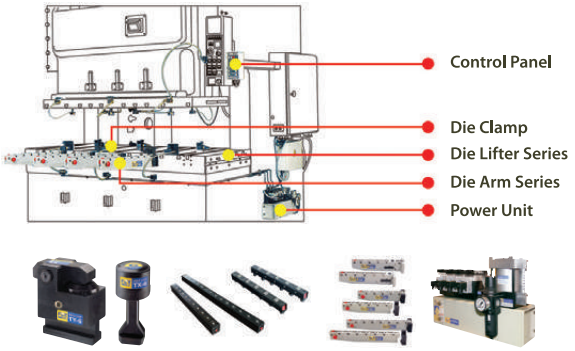
LINK Systems®

SIEMENS

Rockwell Automation

MITSUBISHI ELECTRIC

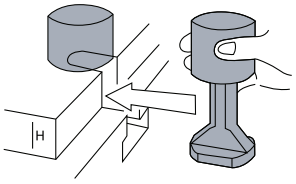
Allen-Bradley



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

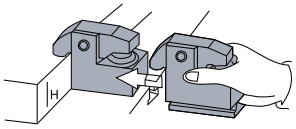
Die Clamp TX-type

With "U" Cut in die set



Die Clamp TY-type

Die plate thickness, H, to be specified



Option		Qty / Model		GTX-160	GTX-200	GTX-250	GTX-300	GTX-400	GTX-500
Die clamp	Upper	TX-4 or TY-4	Clamping force 4 tons/ pc	8	8	8			
		TX-6 or TY-6	Clamping force 6 tons/ pc				8	8	10
	Lower	TX-4 or TY-4	Clamping force 4 tons/ pc	8	8	8			
		TX-6 or TY-6	Clamping force 6 tons/ pc				8	8	10
Die lifter		DL-28-700	Pay load 1500 kg / pc	4					
		DL-28-900	Pay load 1800 kg / pc		4	4			
		DL-28-1000	Pay load 3800 kg / pc				4	4	4
Die arm		DL-28-700	Pay load 600 kg / pc	4					
		DL-28-900	Pay load 900 kg / pc		4	4			
		DL-28-1000	Pay load 1800 kg / pc				4	4	4
Hydraulic power unit				FP6308U			FP1014U		

As one of the largest press builders in the world, Stamtec has been providing dependable, high-performance metal stamping presses for more than 40 years in North America and 70 years worldwide. We also provide fully integrated press production systems including servo coil-feeding lines, transfer systems, quick die change systems, etc. 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. Please contact us any time for a free professional consultation about your press production needs. We'd welcome the opportunity to help you!

[Gap Frame Presses](#) | [Straight Side Presses](#) | [Servo Presses](#) | [Forging Presses](#) | [Coil Feeding & Handling Systems](#)

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