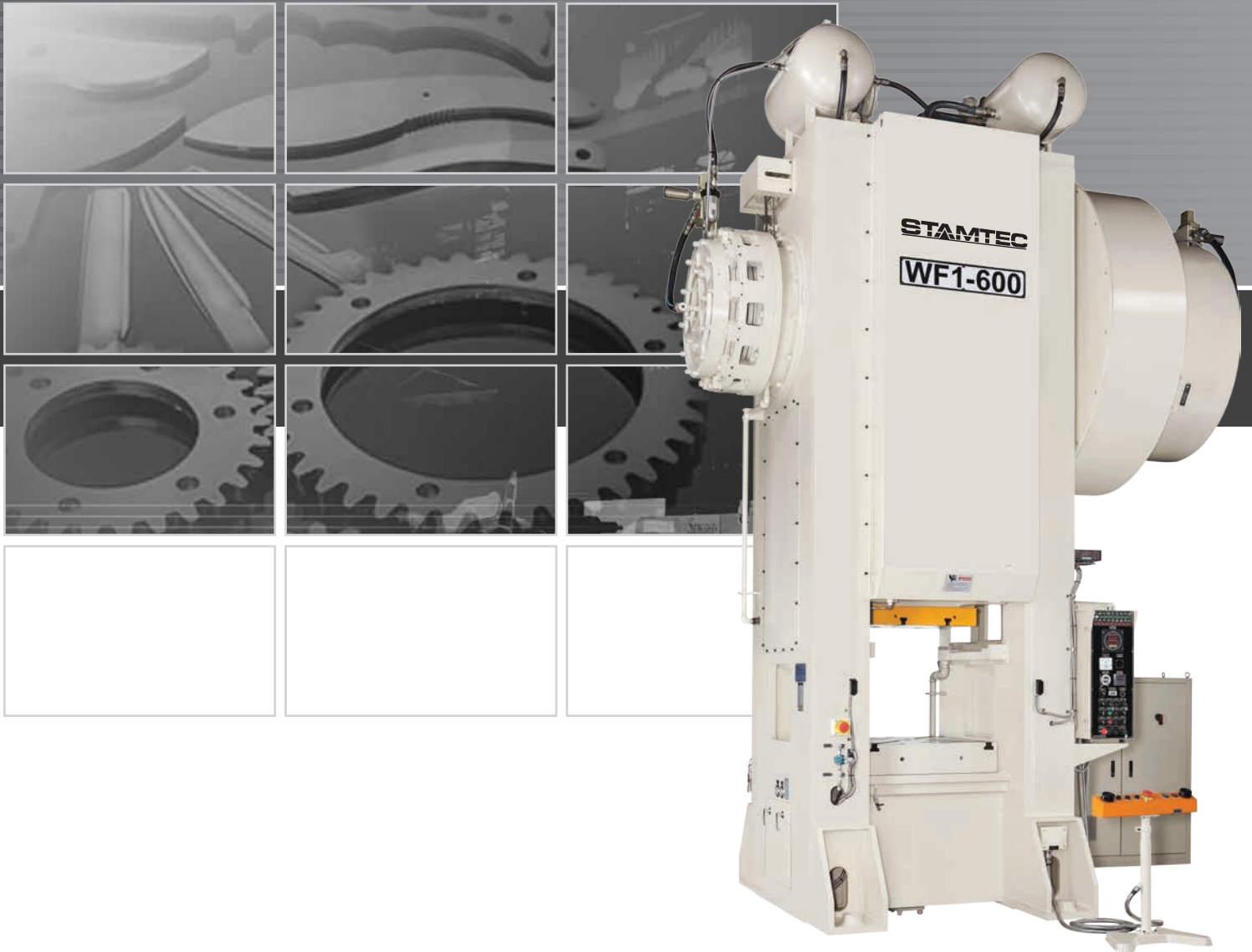


WF Series

Warm / Hot Forging Presses



WF1 and WF2 Series

Warm / Hot Forging Presses

Stamtec WF1 and WF2 Series Warm / Hot Forging Presses, provide our customers with the ability to produce high value-added parts.

The warm / hot forging process can be widely applied to the automotive vehicle components, tools, household appliances, medical equipments, motors and national defense industries.

This process provides the strength of cold and hot forming, yet shortens the forming process and adds more value to the Finished product.

**WF Series Warm / Hot Forging Press
Tonnage:**

400 . 600 . 800 . 1000 . 1600 . 2000 .
3200



Automotive Castings



Specifications

WF1 and WF2 Series Presses

MODEL		WF1-400	WF1-600	WF2-800		WF2-1000		WF2-1600		WF2-2000		WF2-3200	
Type		F	F	F	G	F	G	F	G	F	G	F	G
Capacity	US Tons	440	661	881		1102		1763		2204		3527	
	Metric Tons	400	600	800		1000		1600		2000		3200	
Stroke length	in.	6.89	7.87	9.84		11.81		12.99		12.99		14.17	
	mm	175	200	250		300		330		330		360	
Speed	SPM	100	85	75	60	70	55	70	50	48		42	
Slide adjustment	in.	0.39	0.39	0.39		0.39		0.39		0.39		0.39	
	mm	10	10	10		10		10		10		10	
Die height (S.D.A.U.)	in.	19.88	21.65	25.59		27.56		31.50		35.43		47.24	
	mm	505	550	650		700		800		900		1200	
Slide area (L.R. x F.B.)	in.	23.43 x 21.85	27.35 x 25.04	31.50 x 29.53		35.43 x 34.65		37.40 x 35.43		51.18 x 47.24		61.02 x 57.09	
	mm	595 x 555	695 x 635	800 x 750		900 x 880		950 x 900		1300 x 1200		1550 x 1450	
Bolster area (L.R. x F.B.)	in.	30.32 x 33.07	34.65 x 34.65	38.58 x 39.37		39.37 x 41.34		49.21 x 41.34		57.09 x 55.11		68.90 x 62.99	
	mm	770 x 840	880 x 880	900 x 800		1000 x 1050		1250 x 1150		1450 x 1400		1750 x 1600	
Bolster thickness	in.	4.72	4.72	6.30		6.30		7.87		11.81		11.81	
	mm	120	120	160		160		200		300		300	
Side frame opening (window) (F-B x H)	in.	25.59 x 17.72	27.56 x 19.69	31.50 x 19.69		35.43 x 25.59		39.37 x 29.53		43.31 x 31.50		47.24 x 33.47	
	mm	650 x 450	700 x 500	800 x 500		900 x 650		1000 x 750		1100 x 800		1200 x 850	
Main motor	HP x P	37 x 6	45 x 6	55 x 6	45 x 6	75 x 6	55 x 6	110 x 6	75 x 6	90 x 6		132 x 6	
Slide knock-out device	Ton / mm	4 / 20	6 / 20	8 / 30		10 / 35		16 x 40		20 / 45		32 / 45	
Bed knock-out device	Ton / mm	8 / 40	10 / 40	15 / 50		20 / 60		30 / 65		40 / 70		65 / 70	

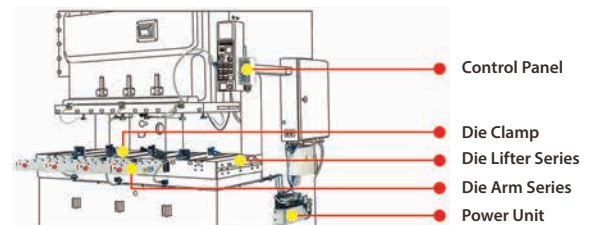
Standard Features

- Dry Type Clutch & Brake
- Slide and Tool Counterbalance Device
- Slide Adjusting Device (with hydraulic locking)
- Oil Recirculating Lubrication System
- Overrun Protection Device
- Main Motor
- Tonnage Monitor
- Electronic Rotary Cam Switch
- Crank Angle Indicator (clock type)
- Electromagnetic Counter
- Digital Die Height Indicator (0.1 mm)
- Misfeed Detection Receptacle
- Programmable Logic Controller
- Thermal Sensor
- Portable Run Station on T-Stand
- Floor Type Cabinet
- Safety Ladder and Rail
- Air Ejector
- Air Receptacle



Optional Accessories

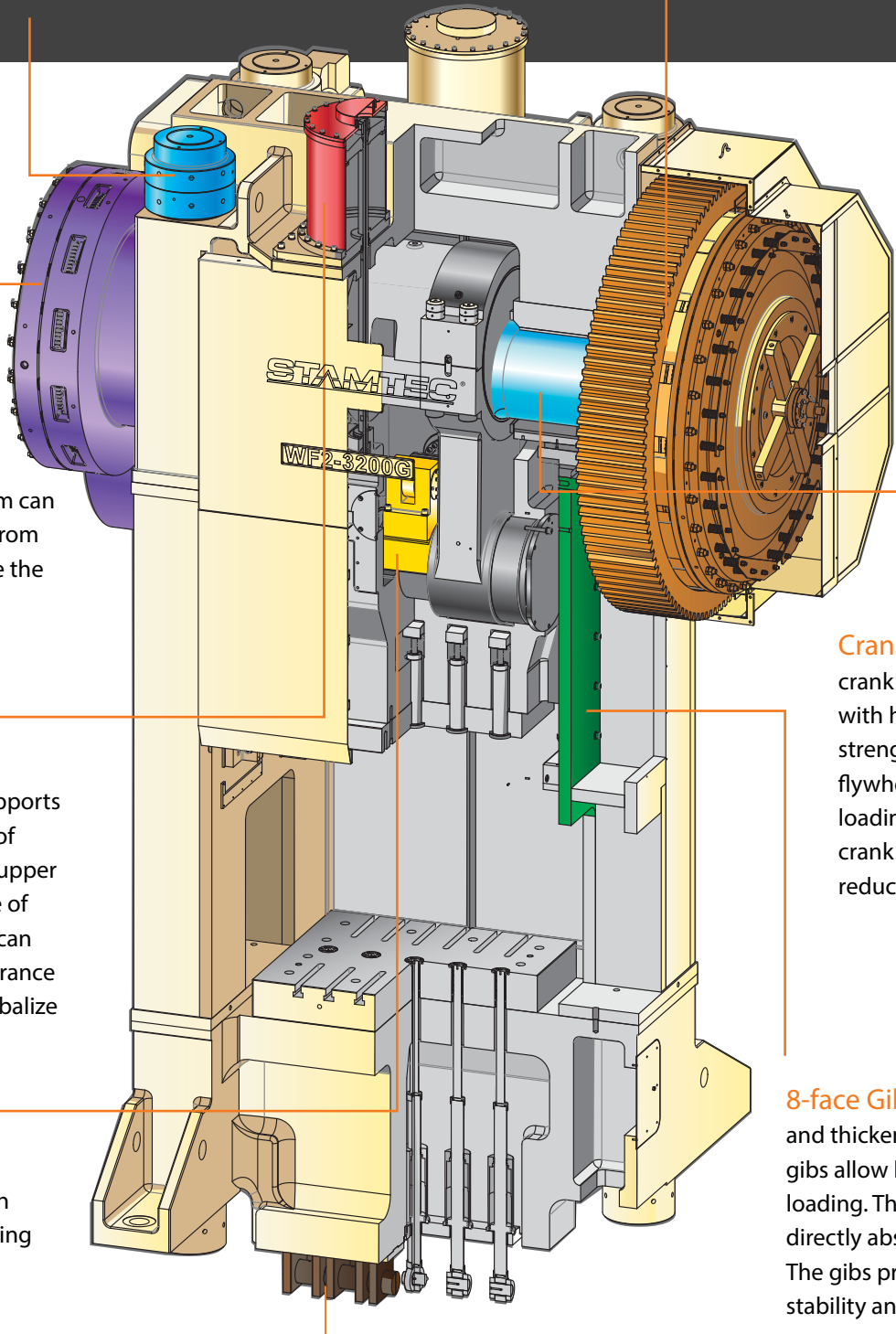
- Flywheel Brake
- Foot Switch (with declaration letter)
- Stick Release Device
- Motorized Grease Lubrication Device
- Main Motor Reversie Circuit
- Extended Module for Electronic Rotary Gun
- Front Safety Door
- Slide Knock-Out Device
- Bed Knock-Out Device
- Anti Vibration Mounts
- Safety Die Block and Plug
- Automation Equipment
- Quick Die Change System



High Rigidity Frame & Tie Rods

The frame structure is strengthened by prepressing tie rods. This prepressure can reduce stamping the deformation and increase product accuracy.

Clutch - The structure can bring cool air into the clutch while running to reduce heat from the friction pressure plate and lining plate, improving clutch performance.



Brake - The structure is equipped with inlay type brake lining with a recirculation water cooling system. This system can efficiently eliminate heat from lining friction and improve the working condition for intermittent operation.






























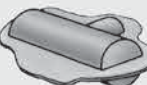







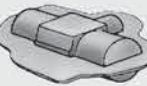







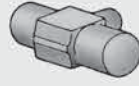

Counter Balancer - Supports and balances the weight of connecting rod, ram and upper die to offset the clearance of transmission structure. It can avoid the shock from clearance in direction change to stabilize the movement of ram.

Slide Adjustment - High torque locking and adjusting device ensures stability in stamping.

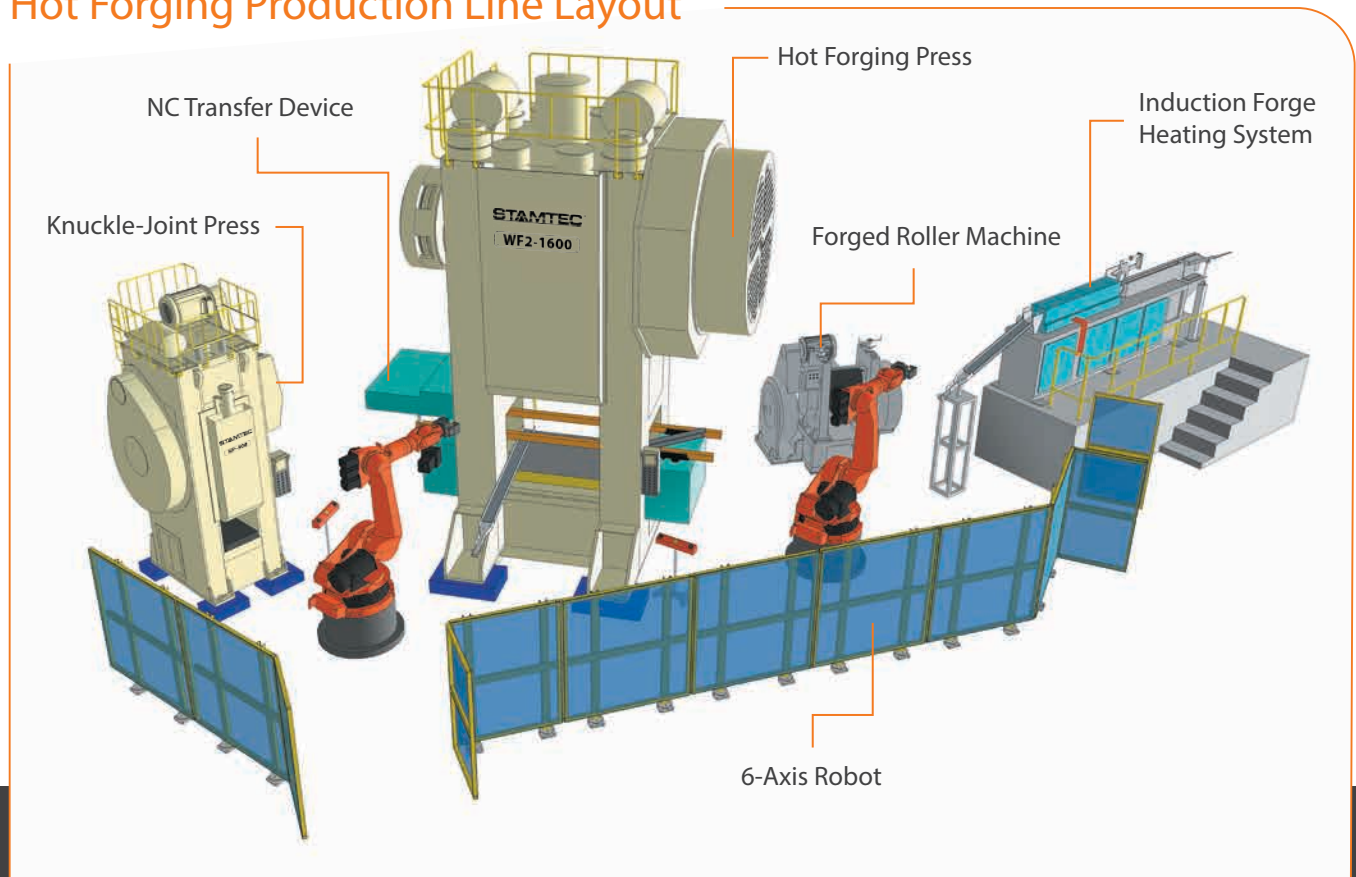
Crank - The transmission crank is an eccentric shaft with high rigidity and high strength alloy steel. With the flywheel shaft, the eccentric loading from flywheel to the crank can be efficiently reduced.

8-face Gibbing - Elongated and thickened right angle 8-face gibs allow high eccentric loading. The lateral force can be directly absorbed by the frame. The gibs provide good precision stability and extended die life.

Bed Knockout Device - The knockout device having a cylinder can be further equipped with automation feeding system to save labor and improve production capacity.

Name of Forgings	Connecting Rod	Pin	Ring Gear	Control Cap	Taper Roller Bearing	Truck Link	Valve	Outer Joint	
Finished products									
Shape of materials									
Warm / Hot Forging Presses	1								
	2								
	3								
	4								
	5								
Remarks	Hot forging	Warm or hot forging	Hot forging	Hot forging	Hot forging	Hot forging	Hot forging	Warm forging	

Hot Forging Production Line Layout



Press Controls

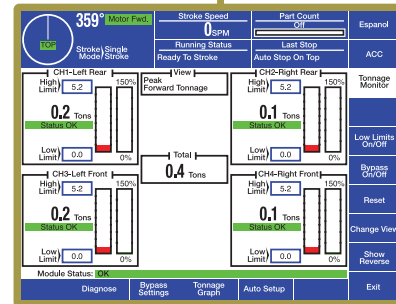
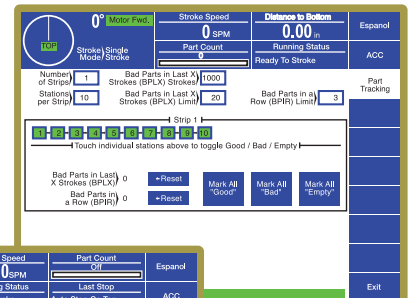
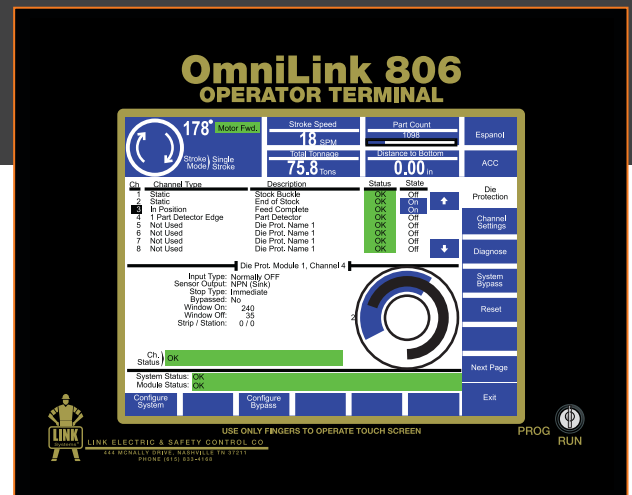
User-friendly, fully programmable operation

Stamtec presses feature advanced, user-friendly automation controls with fully programmable on-screen displays for easy set-up, start-up, operation and diagnostics.

Our standard presses come equipped with **OmniLink 5100-APC Press Automation Controls**.

OmniLink 5100-APC Standard Features:

- Model 806, 10.4" color touch screen terminal display in English or Spanish.
- 1000 job storage and recall.
- Eight (8) die protection / process monitoring inputs (up to 80 available optionally). 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 (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.
- Input and output screens, including 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) (ALL STANDARD).
- Automatic top stop compensation (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.



Customized Press Controls

from manufacturers including:





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

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