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!

**WF Series**

Warm / Hot Forging Presses

**METAL STAMPING & FORMING EQUIPMENT**

**FORGING PRESSES**

- Warm / Hot and Cold

**SERVO PRESSES**

- 1-point and 2-point
- Gap and Straight Side

**GAP FRAME PRESSES**

- 1-point and 2-point

**STRAIGHT SIDE PRESSES**

- 1-point, 2-point, and 4-point
- Gap and Straight Side

**COIL FEEDING & HANDLING SYSTEMS**

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U.S.A. - STAMTEC, INC.
4160 Hillsboro Highway
Manchester, TN 37355 U.S.A.
TEL: +1-931-393-5050
FAX: +1-931-393-5060
sales@stamtec.com
www.stamtec.com

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www.stamtec.com
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:

Automotive Castings

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

Customized Press Controls
from manufacturers including:
## Specifications

### WF1 and WF2 Series Presses

<table>
<thead>
<tr>
<th>MODEL</th>
<th>WF1-400</th>
<th>WF1-600</th>
<th>WF2-800</th>
<th>WF2-1000</th>
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<td>440</td>
<td>661</td>
<td>881</td>
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<td>1763</td>
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<td>800</td>
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<tr>
<td>Slide area (L.R. x F.B.)</td>
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<td>23.43 x 21.85</td>
<td>27.35 x 25.04</td>
<td>31.50 x 29.53</td>
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<tr>
<td>Bolster thickness</td>
<td>in.</td>
<td>4.72</td>
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<td>120</td>
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<td>Side frame opening (window) (F-B x H)</td>
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<td>25.59 x 17.72</td>
<td>27.56 x 19.69</td>
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<td>1100 x 800</td>
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<tr>
<td>Main motor</td>
<td>HP x P</td>
<td>37 x 6</td>
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<td>45 x 6</td>
<td>75 x 6</td>
<td>55 x 6</td>
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<td>Slide knock-out device</td>
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<td>8 / 30</td>
<td>10 / 35</td>
<td>16 x 40</td>
<td>20 / 45</td>
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<tr>
<td>Bed knock-out device</td>
<td>Ton / mm</td>
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<td>10 / 40</td>
<td>15 / 50</td>
<td>20 / 60</td>
<td>30 / 65</td>
<td>40 / 70</td>
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### Shape of materials

<table>
<thead>
<tr>
<th>Name of Forgings</th>
<th>Connecting Rod</th>
<th>Pin</th>
<th>Ring Gear</th>
<th>Control Cap</th>
<th>Taper Roller Bearing</th>
<th>Truck Link</th>
<th>Valve</th>
<th>Outer Joint</th>
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<tbody>
<tr>
<td>Finished products</td>
<td>Hot forging</td>
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### Remarks

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<th>Remarks</th>
<th>Hot forging</th>
<th>Warm or hot forging</th>
<th>Hot forging</th>
<th>Hot forging</th>
<th>Hot forging</th>
<th>Hot forging</th>
<th>Hot forging</th>
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</table>
| Hot forging Production Line Layout

- **NC Transfer Device**
- **Hot Forging Press**
- **Induction Forge Heating System**
- **Forged Roller Machine**
- **6-Axis Robot**
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
- 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 Reverse 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 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.

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

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.

8-face Gibbing - Enlongated 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.

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

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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.

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## Specifications

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<td>Type</td>
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<td>F</td>
<td>F</td>
<td>G</td>
<td>F</td>
<td>G</td>
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<td></td>
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<td>330</td>
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<tr>
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<td>Slide knock-out device</td>
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### Remarks

- Hot forging
- Warm forging
- Hot forging
- Hot forging
- Hot forging
- Hot forging
- Hot forging
- Warm forging

### Names of Forgings

- Connecting Rod
- Pin
- Ring Gear
- Control Cap
- Taper Roller Bearing
- Truck Link
- Valve
- Outer Joint

### Warm / Hot Forging Presses

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

### Hot Forging Production Line Layout

- NC Transfer Device
- Knuckle-Joint Press
- Forged Roller Machine
- Induction Forge Heating System
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- 400
- 600
- 800
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- 1600
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**Automotive Castings**

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**WF Series**

Warm / Hot Forging Presses

**GAP FRAME PRESSES**
- 1-POINT AND 2-POINT

**STRAIGHT SIDE PRESSES**
- 1-POINT
- 2-POINT
- 4-POINT

**SERVO PRESSES**
- 1-POINT AND 2-POINT
- GAP AND STRAIGHT SIDE

**FORGING PRESSES**
- WARM / HOT AND COLD

**COIL FEEDING & HANDLING SYSTEMS**

U.S.A. - STAMTEC, INC.
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