

PL2 Link Motion Series 2-Point Straight Side

The Stamtec PL2 Series double crank press features our Link Motion Drive Technology, designed for deeper or more complex forming, at high single-stroking rates or in continuous mode, using either blanks or coil stock.

Stamtec's link motion drive technology decreases slide velocity 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.

Click here to view our recent white paper - [A Guide to Link Motion Mechanical Presses](#)

Stamtec PL2 Series Link Motion Press specifications can be customized to individual customer requirements (see below for PL2 specification examples). To design your custom PL2 Series mechanical press, [contact us](#) today.

Features & Benefits

Hydraulic Overload Protection System (H.O.L.P.)

Stamtec's unique dual-valve automatic hydraulic overload protection system protects each side of the double crank press individually from overloads.

Air Counterbalance System

The weight of the slide, connection housing assemblies, upper die, etc., is offset by an adjustable air counterbalance system.

Lubrication System

All anti-friction bearings, sleeve bushings and gibs are lubricated by a sequencing self-monitoring re-circulating oil lubrication system which is interlocked with the mechanical press emergency stop circuit.

Digital Die Height Indicator

A die height indicator is mounted on the front of the slide for operator convenience in making die height adjustments.

Die Safety Block

Two (2) Die safety blocks with holders are included. The safety blocks are supplied with a plug and receptacle interlocked into the press controls.

Press Pneumatic System

The pneumatic system includes the necessary regulator valves, gauges, lubricators, and air filters for each double crank press.

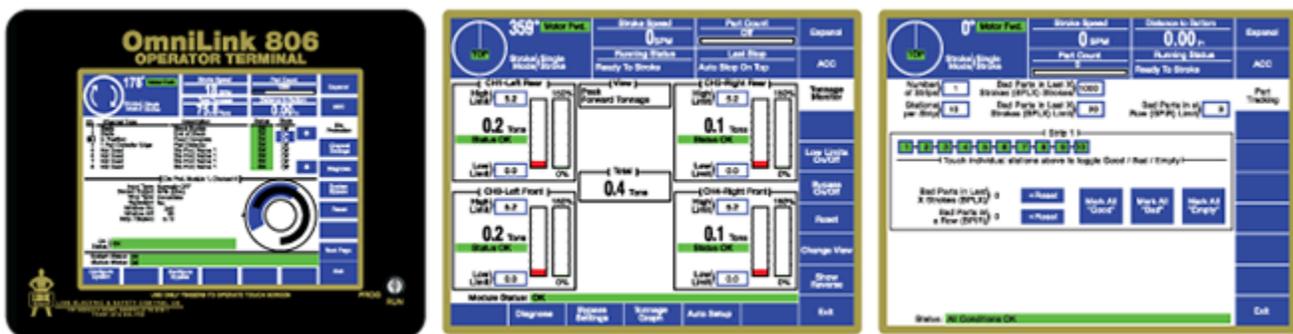
Knockout Bars (Optional)

As a standard feature, the slide is arranged to accept knockout bars.

Press Controls

Control System

Every Stamtec mechanical press features 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**.

- 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). 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