STAMTEC®

METAL STAMPING & FORMING EQUIPMENT

iS2

Two-Point, Straight-Side Direct Drive Servo Press






176 . 220 . 330 . 440 . 550 tons

iS2

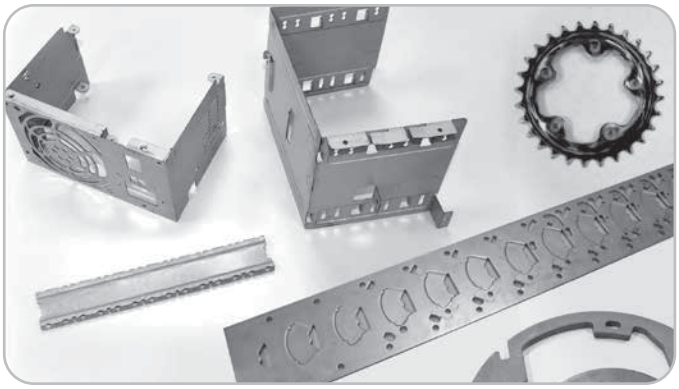
STAMTEC®

Direct Drive Servo Press

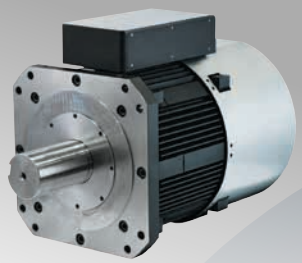
Stamtec Servo Presses use the BEST in servo motor technology and controls to enable a virtually unlimited number of stroke and slide movement profiles, while supplying full working energy even at slow speeds / dwells.

What does this mean for your ability to make parts?

- More flexibility in applications
- More throughput with optimized production speeds
- Better forming capabilities
- Minimized impact forces and snapthrough
- Ability to perform secondary operations in-die (e.g. drilling, tapping, staking, welding, assembling, etc.)
- Better integration with work cells and automation



Features



Servo Motor

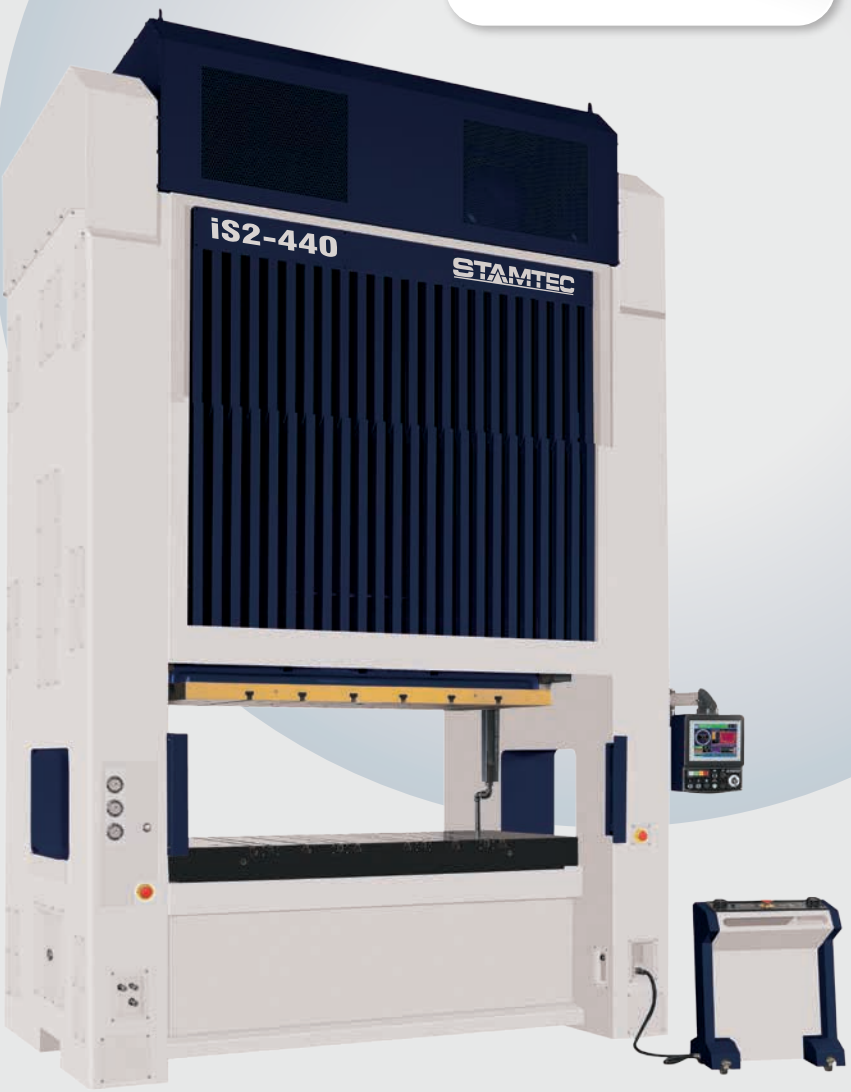
High torque output, precise accuracy and reduce energy waste.

Forced Recycling & Circulating Lubrication System

Reduce environmental pollution.

HMI

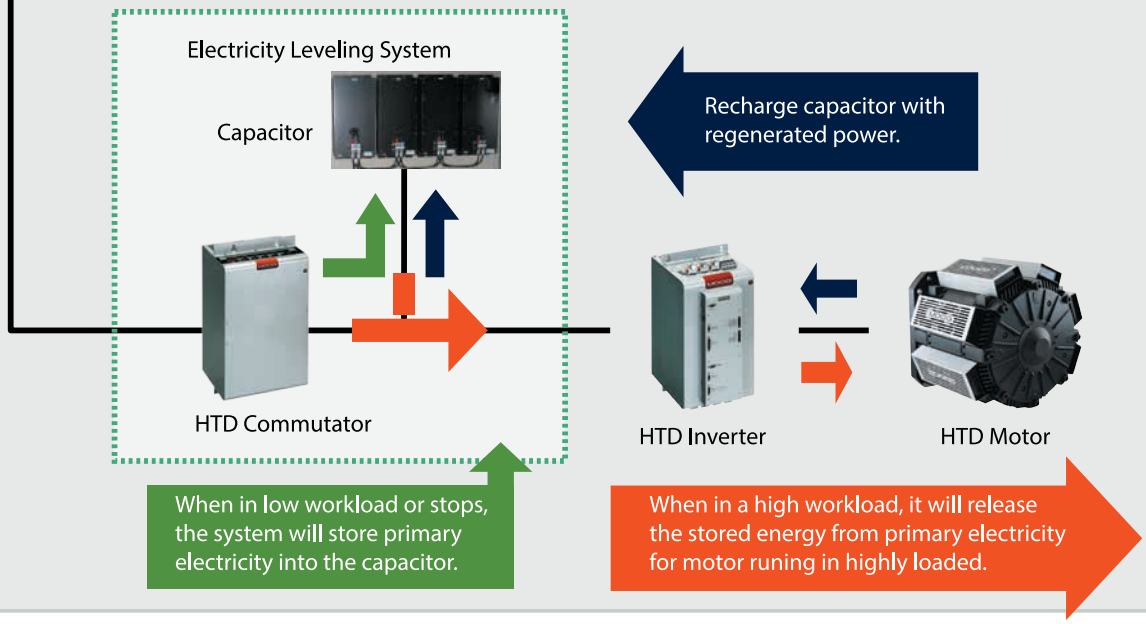
Including crank angle display, slide position monitoring, tooling setting, I/O system parameter and alarm message, etc.



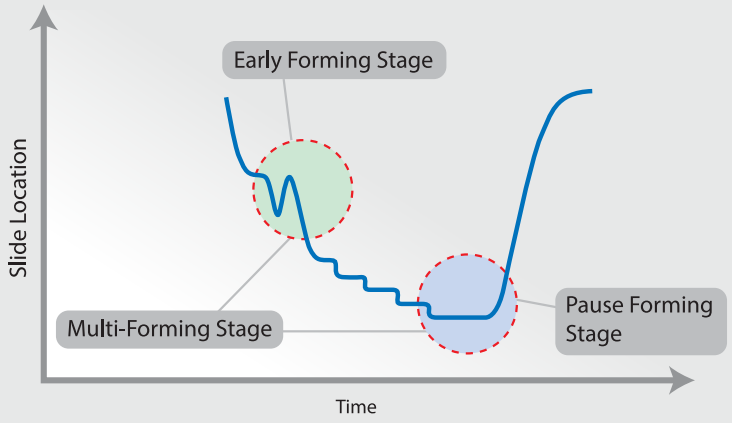
Optical Linear Scale

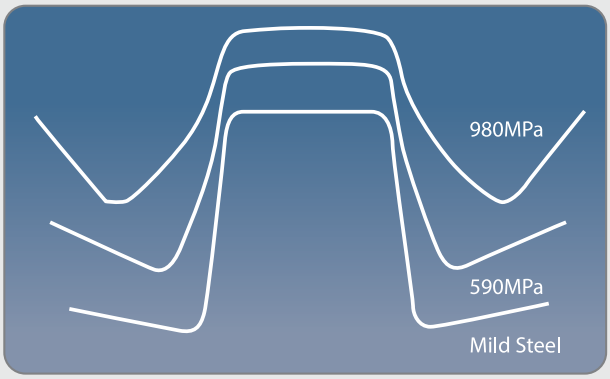
Instant monitor and auto-adjust die height. (Optional function)

Power Supply



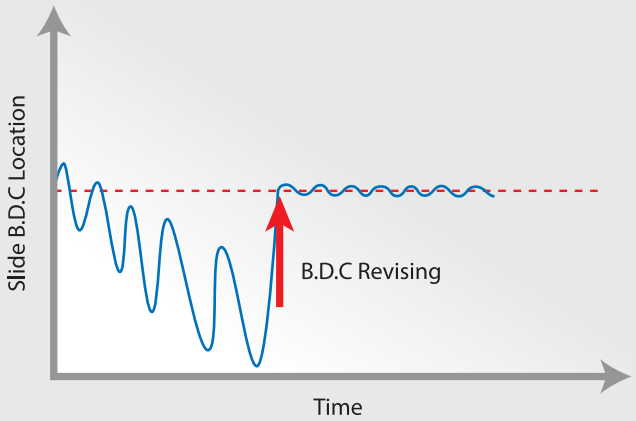
High Tension Steel Plate Processing





Slide B.D.C. Repeatability Auto-Correction(Optional)

Once the slide B.D.C. height exceeds the standard setting, the machine will auto-revise itself by adjusting the slide in order to maintain the die height and improve processing quality.



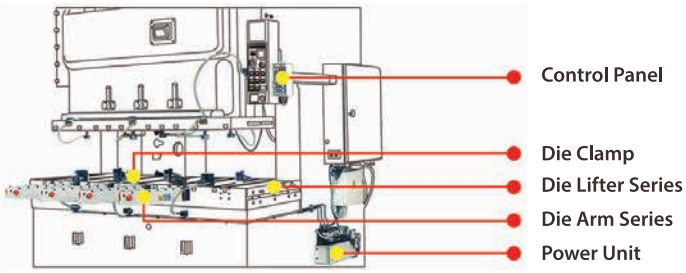
Standard Functions / Accessories

- Operation mode selection
- Off / Inching / Safety one stroke / Continuous
- Hydraulic overload protector(H.O.L.P)
- Automatic slide adjusting device
- Oil recirculating lubrication
- Slide & die counterbalancer
- Programmable Controlling System (PLC)
  +10° HMI Operation panel
- Electronic crank angle display
- Electronic S.P.M display
- LCD type Press status monitor
- Electronic rotary cam switch
- Misfeed detection socket
- Digital die height indicator
- Power outlet
- Air ejector
- Air source receptacle
- Misfeed detection circuit
- Portable 2-hand pushbutton T-stand
- Tooling database

Optional Functions / Accessories

- Pneumatic die cushion
- Die pin-hole tap
- Extended module of electronic rotary cam
  (8 spare channel)
- Automatic slide adjusting device
- Safety light curtain
- Power outlet 110V single-phase
- Power outlet 220V single-phase
- Anti-Vibration press mounts
- Tooling light (magnet type, 110V or 220V power source)
- Air source receptacle
- Automating peripheral equipment
- Quick die change system
- Bottom dead center repeatability detector
- Electronic hand wheel
- Safety block with plug
- Customized forming curves
- Tonnage indicator
- Front / Back safety door
- Optical linear scale

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

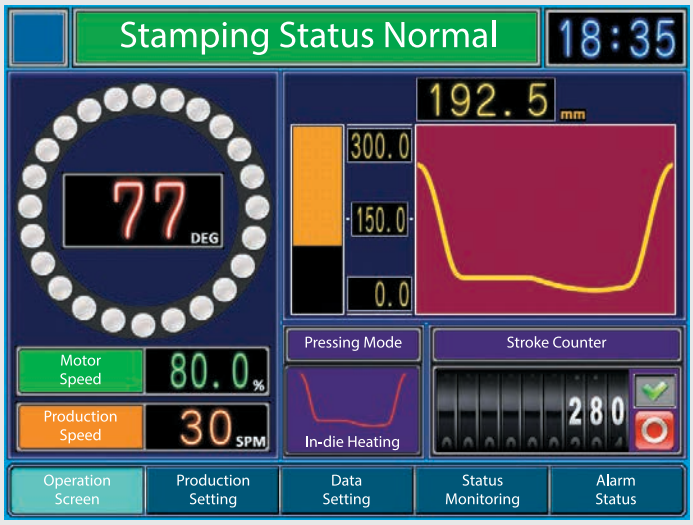


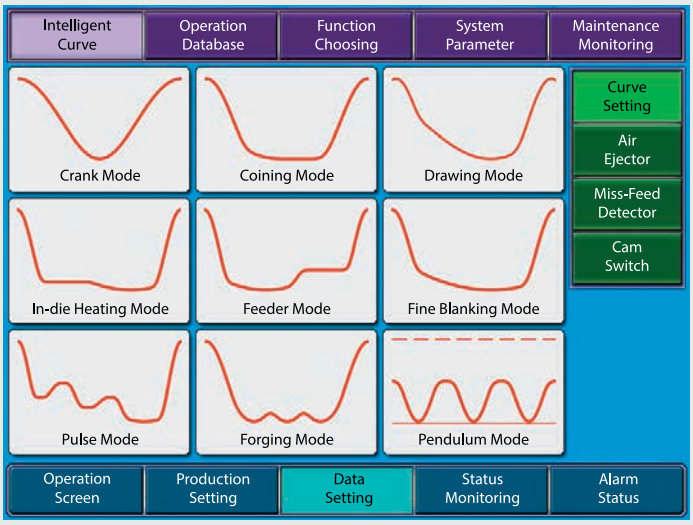
iS2 Specifications

		iS2-176	iS2-220	iS2-330	iS2-440	iS2-550
Capacity	Tons	160	200	300	400	500
Rated Tonnage Point (Above B.P.C.)	Inch	0.23	0.23	0.23	0.23	0.23
	mm	6	6	6	6	6
Stroke Length & Speed						
Full Stroke	Inch	8.66 @ 60 SPM	9.84 @ 50 SPM	11.81 @ 40 SPM	11.81 @ 40 SPM	13.77 @ 40 SPM
	mm	220 @ 60 SPM	250 @ 50 SPM	300 @ 40 SPM	300 @ 40 SPM	350 @ 40 SPM
Pendulum	Inch	5.15 @ 67 SPM	5.90 @ 56 SPM	7.08 @ 45 SPM	7.08 @ 45 SPM	8.26 @ 45 SPM
	mm	131 @ 67 SPM	150 @ 56 SPM	180 @ 45 SPM	180 @ 45 SPM	210 @ 45 SPM
Pendulum	Inch	3.34 @ 84 SPM	3.93 @ 70 SPM	4.72 @ 56 SPM	4.72 @ 56 SPM	5.51 @ 56 SPM
	mm	85 @ 84 SPM	100 @ 70 SPM	120 @ 56 SPM	120 @ 56 SPM	140 @ 56 SPM
Max. Die Height	Inch	17.71	19.68	23.62	25.59	27.55
	mm	450	500	600	650	700
Slide Adjustment	Inch	3.93	4.33	4.72	4.72	4.72
	mm	100	110	120	120	120
Slide Area (LR x FB)	Inch	64 x 23	76 x 27	90 x 33	94 x 43	94 x 43
	mm	1650 x 600	1950 x 700	2300 x 850	2400 x 1100	2400 x 1,100
Bolster Area (LR x FB)	Inch	76 x 31	88 x 35	102 x 43	106 x 47	106 x 51
	mm	1950 x 800	2250 x 900	2600 x 1,100	2700 x 1200	2,00 x 1300
Side Opening	Inch	31 x 15	35 x 17	43 x 21	47 x 23	51 x 25
	mm	800 x 400	900 x 450	1100 x 550	1200 x 600	1300 x 650
Bolster Thickness	Inch	6.29	6.69	7.48	7.48	7.48
	mm	160	170	190	190	190
Max. Upper Die Weight	lbs.	2,204	2645	4409	5571	6613
	kg	1000	1200	2000	2500	3000
Slide Adjusting Motor	Kwxp	0.75 x 4	1.5 x 4	1.5 x 4	1.5 x 4	1.5 x 4
Working Height	Inch	37	39	45	47	51
	mm	950	1000	1150	1200	1300
Air Pressure	kg / cm^2	5	5	5	5	5

Control System HMI-Intellegent Curve / User-friendly Interface

Achieving High Precision, High Stability, and Diversified Curves
With Our Servo Electronic control system

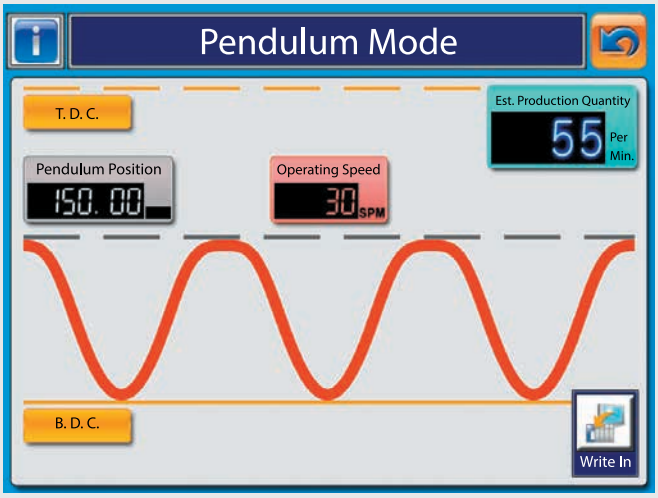




Pendulum Mode

Increased productivity through the incorporation of pendulum mode.

Cycle time is decreased by reducing the stroke length.



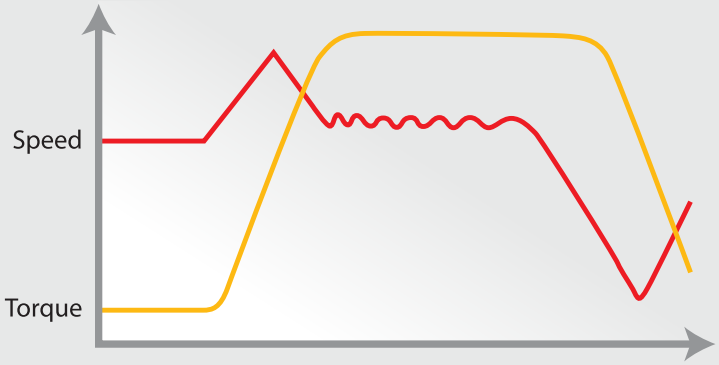
Slide Moving Status Monitoring System

Real-time monitoring of stamping status (position, torque, speed,acceleration)

Automatically shut down and warn when exceeds setting

Lower defect rate

Increased stamping safety



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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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