

KW1 Series

Knuckle-Joint Cold Forging Presses



250 . 400 . 650 . 850 . 1000 . 1200 . 2000 tons

KW1 SERIES

COLD AND SEMI-HOT FORGING PRESSES

Stamtec KW1 Series Cold and Semi-Hot Forging Knuckle-Joint Presses, especially when coupled with feeder and transfer equipment, is effective and efficient in forging and drawing thick sheet material.

Wet clutch delivers high torque and performance at relatively low air pressure. Friction linings run in an enclosed oil bath, providing a very long lived clutch and brake with efficient heat dissipation, low vibration, minimal noise, reduced lining wear, and lower air consumption, even at high single-stroke rates of production.

Tonnage Range: 300 - 1,000

Available [on Request]

- Press Dimensions

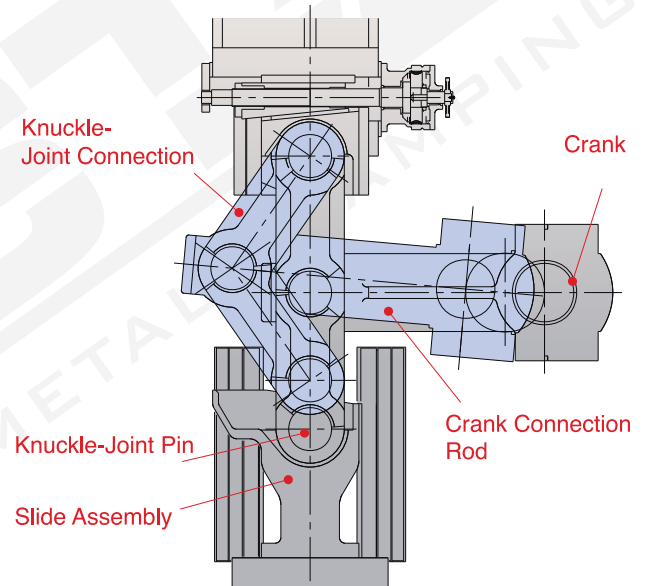
<https://www.stamtec.com/kw1-series-cold-semi-hot-forging-presses>



PRESS Advantages

The knuckle-joint drive system on our KW1 Series press provides the following benefits:

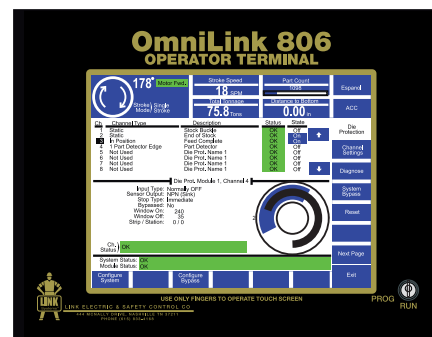
- The knuckle-joint mechanism provides for high precision and repeatability, with a long dwell time at bottom dead center.
- Lower snap through as a result of lower slide velocity through the bottom portion of the stroke, resulting in lower part shear reverse tonnage, vibration, punch penetration, and noise.
- LCD display screen for status and fault messages.
- Maximized straight line vertical force at BDC allowing for difficult forming and coining.



		KW1-300	KW1-400	KW1-500	KW1-650	KW1-800	KW1-1000
Capacity	US Tons	330.69	440.93	551.16	716.50	881.85	1102.31
	Metric Tons	300	400	500	650	800	1000
Rated tonnage point	in.	0.32	0.32	0.32	0.32	0.32	0.32
	mm	8	8	8	8	8	8
Stroke length	in.	4.72	4.72	5.91	5.91	9.84	7.87 (9.84)
	mm	120	120	150	150	250	200 (250)
Speed	SPM	20 ~ 40 (20 ~ 45)	20 ~ 40 (20 ~ 45)	20 ~ 40	20 ~ 40	20 ~ 35	20 ~ 40 (20 ~ 35)
Slide adjustment	in.	0.59	0.59	0.59	0.59	0.59	0.59
	mm	15	15	15	15	15	15
Die height	in.	17.72	17.72	17.72	17.72	17.72	17.72
	mm	450	450	450	450	650	650
Bolster area	in.	43.31 x 37.40	43.31 x 37.40	49.21 x 39.37	59.06 x 39.37	59.06 x 39.37	62.99 x 39.37
	mm	1100 x 950	1100 x 950	1250 x 1000	1500 x 1000	1500 x 1000	1600 x 1000
Bolster thickness	in.	7.09	7.09	8.66	8.66	9.84	9.84
	mm	180	180	220	220	250	250
Slide area	in.	43.31 x 33.47	43.31 x 33.47	49.21 x 39.37	59.06 x 39.37	59.06 x 39.37	62.99 x 39.37
	mm	1100 x 850	1100 x 850	1250 x 1000	1500 x 1000	1500 x 1000	1600 x 1000
Working height	in.	35.43	35.43	46.65	49.80	51.18	22.21
	mm	900	900	1185	1265	1300	564
Slide opening	in.	23.62 x 22.44	23.62 x 22.44	23.62 x 22.44	23.62 x 22.44	23.62 x 30.32	23.62 x 27.56
	mm	600 x 570	600 x 570	600 x 570	600 x 570	600 x 770	600 x 700
Max. upper die weight	lbs.	2204.62	2204.62	3306.93	3858.09	3858.09	3858.09
	kg	1000	1000	1500	1750	1750	1750
Main motor	HP x P	V.S. 30 x 4	V.S. 30 x 4	V.S. 50 x 4	V.S. 60 x 4	V.S. 75 x 4	V.S. 100 x 4

CONTROLS: OmniLink 5100-APC

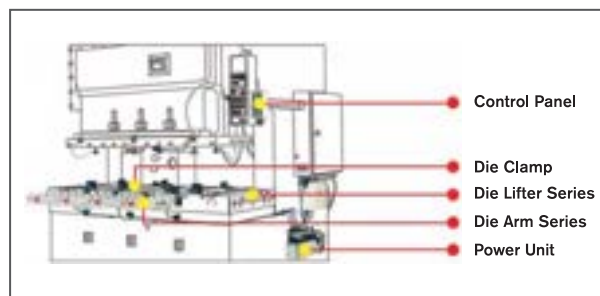
The OmniLink 5100-APC controls offer a color touch screen, easy-to-use settings and die protection/process monitoring inputs, among a variety of other features. Stamtec presses can be CUSTOMIZED with your choice of press controls.



Q.D.C.: Quick Die Change Systems

Stamtec carries a full line of quick die change components, including hydraulic power units, clamps, lifters, and bolster extensions. Q.D.C. system benefits include:

- Reduced downtime
- Greater productivity
- Longer tool life
- Better part quality
- Increased speed
- Improved employee safety





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



STAMTEC, INC.

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



STAMTEC EQUIPOS de ESTAMPACIÓN

Cerrada la Noria No. 200 Int. B-10, Queréglétaro Park II,
Parque Industrial Querétaro,
Santa Rosa Jáuregui, Querétaro, CP. 76220
TEL: +52-442-101-9555
stamtecpresses@stamtec.com
www.stamtec.com/es

