

KP Series

Knuckle-Joint Cold Forging Presses



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

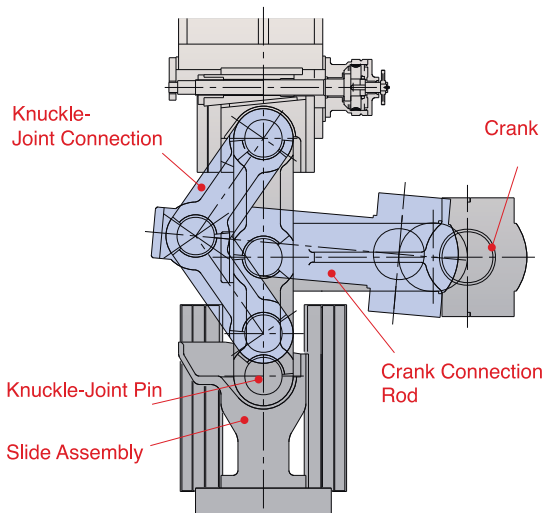
KP SERIES

KNUCKLE-JOINT • 1-POINT COLD FORGING PRESS

The Stamtec KP Series cold-forging presses are driven by a knuckle-joint mechanism capable of decreasing slide velocity by up to 40% as it approaches the bottom dead-end center point.

Knuckle-joint presses are capable of delivering a tremendous amount of force by transferring energy from a motor through a linkage design. The drive shaft crank rotates completely, while the links are grounded to support the pressure.

The knuckle-joint drive not only slows down the slide through the working portion of the stroke, but provides infinite pressure at the bottom of the stroke producing a significant dwell.



Tonnage Range: 250 - 2,000

Available [on Request]

- Press Dimensions



KP-2000 Knuckle-Joint Press

STANDARD Features

- Slide and tool counterbalance device
- Oil recirculation lubrication device
- Overrun protection device
- Hydraulic overload protection device
- PLC (Mitsubishi FX series)
- Programmable limit switches (8 channel)
- Digital Die height indicator
- Misfeed detection receptacle
- Solenoid Valve
- Safety rail and ladder
- Air ejector (3/8")
- Air receptacle (3/8")
- Maintenance tool kit
- Operation manual and inspection report
- Portable 2-hand push button t-stand
- OmniLink 5100-APC controls [standard]
- * Customer choice of press controls

OPTIONAL Features

- Available online

www.stamtec.com/kp-series-knuckle-joint-1-point-cold-forging-press

MODELS			KP-250		KP-400		KP-650		KP-850		KP-1000		KP-1200		KP-2000	
Main Specifications			S	V	S	V	S	V	S	V	S	V	S	V	S	V
Capacity	US Tons		275.58		440.93		716.50		936.97		1102.31		132.77		2204.62	
	Metric Tons		250		400		650		850		1000		1200		2000	
Rated tonnage point	in.		0.16		0.24		0.32		0.32		0.32		0.32		0.32	
	mm		4		6		8		8		8		8		8	
Stroke length	in.		4.72		6.30 / 7.09		6.30 / 7.09		7.09		6.30		9.84		7.09	
	mm		120		160 / 180		160 / 200		180		160		250		180	
Speed	SPM	Continuos	40	30 - 50	32	25 - 40	30	25 - 35	30	25 - 35	30	25 - 35	25 - 30		22 - 32	
Die height (S.D.A.U.)	in.		14.57		15.75		15.75		15.75		19.69		23.62		21.65	
	mm		370		400		400		400		500		600		550	
Maximum upper die weight	lbs.		1102.31		1763.70		2204.62		2204.62		2645.55		2645.55		4409.25	
	kg		500		800		1000		1000		1200		1200		2000	
Bolster area (L-R x F-B)	in.		19.69 x 23.62		21.65 x 25.98		23.62 x 27.56		23.62 x 27.56		27.56 x 31.50		31.50 x 39.37		39.37 x 31.50	
	mm		500 x 600		550 x 660		600 x 700		600 x 700		700 x 800		800 x 1000		1000 x 800	
Slide area (L-R x F-B)	in.		15.75 x 16.54		15.75 x 19.69		17.72 x 21.65		17.72 x 21.65		18.90 x 25.59		31.50 x 31.50		31.50 x 27.56	
	mm		400 x 420		400 x 500		450 x 550		450 x 550		480 x 650		800 x 800		800 x 700	
Slide adjustment	in.		0.59		0.59		0.59		0.59		0.59		0.59		0.59	
	mm		15		15		15		15		15		15		15	
Bolster thickness	in.		3.94		4.72		5.91		7.09		7.09		7.87		9.84	
	mm		100		120		150		180		180		200		250	
Air Pressure Requirement	PSI		71.12		71.12		71.12		71.12		71.12		71.12		71.12	
	kg / cm2		5		5		5		5		5		5		5	
Main motor	HP x P		20 x 6	V.S. 25 x 4	40 x 6	V.S. 50 x 4	50 x 6	V.S. 75 x 4	75 x 6	V.S. 100 x 4	75 x 6	V.S. 100 x 4	V.S. 100 x 4		V.S.150 x 6 Inverter	

Bed knockout device								
Capacity	US Tons		11.02	16.53	33.07	33.07	55.12	88.19
	Metric Tons		10	15	30	30	50	80
Stroke length	in.		1.97	2.36	2.76	2.76	2.76	3.15
	mm		50	60	70	70	70	80



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!



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Presses



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Presses



Servo
Presses



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