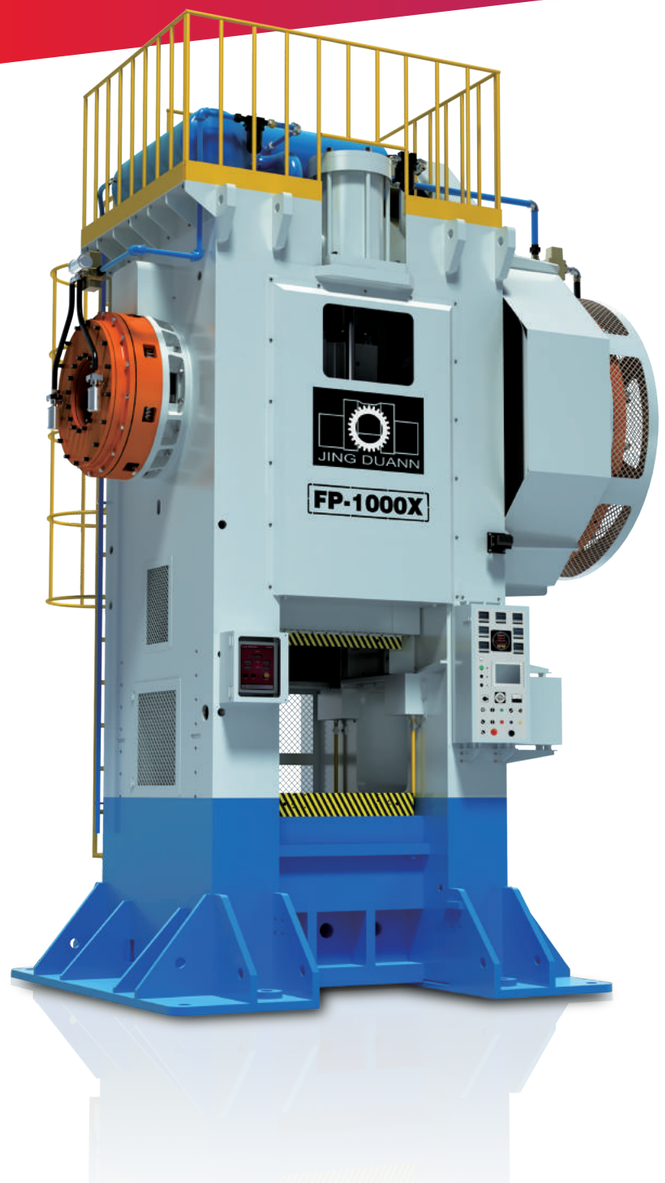
FP-X

HIGH SPEED FORGING PRESSES



FEATURES

- **Flywheel Driven:**
  X type is directly driven by flywheel, so running speed is fast, forging materials and mold contact time is shortened, so mold service life is improved; due to simplified transmission mechanism, failure rate is reduced, and maintenance cost is greatly lowered.
- **X-type Slider Guide Rails:**
  Slider guide rails adopt X-type design, fully overcoming the thermal expansion phenomenon caused by the heat conducted from mold to slider when forging.
  The design makes sliding gap variation be reduced to a minimum, and long guide rail design enhances overall rigidity and eccentric load capacity, so more suitable for precision multi-station forging operations.
- **New-type Flywheel, Large Gear Suspension Mechanism:**
  1. Flywheel and large gear are hung on bearing, so weight is no longer hung on eccentric shaft, and copper lining will not heat up and can reduce wear of copper lining and improve service life when rotating.
  2. New-type suspension design can ensure running smoothly without deflection of flywheel and large gear, greatly reducing the noise generated when gear is in operation and improving gear service life.
  3. Internal bearing of flywheel adopts forced machine oil lubrication, ensuring never lack of machine oil and also improving service life of bearing due to cooling effect of machine oil.
- **Semi-hermetic Clutch Mechanism:**
  The semi-hermetic clutch mechanism guides external cooling air into clutch through rotary motion, increasing heat dissipation effect and effectively reducing internal operating temperature of clutch, increasing contact area of lining sheets, enhancing clutch transmission torque, and at the same time prolonging service life of lining sheets.
- **Ultra High Rigidity Machine Frame:**
  1. Strength of four steel plates on top of machine frame is strengthened to make it present an arched shape, enhancing machine frame rigidity and reducing machine frame deformation, at the same time sharing eccentric shaft load and reducing impact force on machine frame to protect eccentric shaft to avoid the occurrence of fracture.
  2. The structure of machine frame is optimized, enhancing machine frame rigidity and reducing internal stress load, so more suitable for heavy duty forging operations.

*This design is subject to change without notice.

ITEM / MODEL	UNIT	FP-600X	FP-800X	FP-1000X	FP-1300X	FP-1600X
Capacity	Tons	600	800	1000	1300	1600
Stroke of ram	mm	200	250	250	280	300
Adjustment of ram	mm	10	10	10	10	10
Number of stroke	Spm	95	85	85	80	65
Work number of stroke	Spm	18	18	18	18	18
Shut height	mm	750	850	950	950	1100
Rated tonnage point	mm	6	6	6	6	6
Ram dimension (L-R & F-B)	mm	660×730	770×810	880×1050	1020×1080	1050×1130
Table dimension (L-R & F-B)	mm	800×880	880×1000	1040×1080	1140×1140	1200×1200
Side window (L-R & F-B)	mm	550×550	600×600	700×700	750×700	980×800
Main motor	Kw×P	37kw×8p	45kw×8p	55kw×8p	75kw×8p	75kw×12p
Ejector in the ram	Tons-mm	6Ton – 30mm	10Ton – 30mm	10Ton – 30mm	10Ton – 40mm	10Ton – 40mm
Ejector in the table	Tons-mm	8Ton – 50mm	12Ton – 50mm	12Ton – 50mm	12Ton – 50mm	17Ton – 50mm
Working number-distance	Number-mm	3-160	3-180	3-200	3-220	3-240
Press weight	Kg	46,000	60,000	82,000	100,000	130,000
Press Dimension (L×W×H)	mm	3300×2790×5280	3630×3010×5810	3840×3225×6145	4100×3450×6675	4320×3505×8100