FP-XG

HIGH SPEED FORGING PRESSES

FEATURES

- **Gear Driven:**
  XG type is driven by gear, can reduce travel speed through gear ratio design to achieve slow molding effect. Applicable to forging molding of aluminum, copper and other non-ferrous materials, but also suitable for needs of long extension engineering forged steel parts, such as automotive transmission shaft CV-Joint.
- **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 MechanismV**
  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-600XG	FP-800XG	FP-1000XG	FP-1300XG	FP-1600XG	FP-2500XG	FP-4000XG
Capacity	Tons	600	800	1000	1300	1600	2500	4000
Stroke of ram	mm	200	250	250	280	300	350	400
Adjustment of ram	mm	10	10	10	10	10	10	10
Number of stroke	Spm	70	60	60	60	50	55	45
Work number of stroke	Spm	18	18	18	16	16	14	14
Shut height	mm	750	850	950	950	1100	1400	1600
Rated tonnage point	mm	6	6	6	6	6	8	10
Ram dimension (L-R & F-B)	mm	660×730	770×810	880×1050	1020×1080	1050×1130	1480×1480	1590×1590
Table dimension (L-R & F-B)	mm	800×880	880×1000	1040×1080	1140×1140	1200×1200	1500×1500	1600×1600
Side window (L-R & F-B)	mm	550×550	600×600	700×700	750×700	980×800	900×1100	1000×1200
Main motor	Kw×P	45kw×6p	55kw×6p	75kw×6p	90kw×6p	110kw×6p	160kw×6p	220kw×6p
Ejector in the ram	Tons-mm	6Ton – 30mm	10Ton – 30mm	10Ton – 30mm	10Ton – 40mm	10Ton – 40mm	8Ton – 60mm	20Ton – 60mm
Ejector in the table	Tons-mm	8Ton – 50mm	12Ton – 50mm	12Ton – 50mm	12Ton – 50mm	17Ton – 50mm	30Ton – 100mm	40Ton – 100mm
Press weight	Kg	50,000	65,000	90,000	105,000	140,000	220,000	400,000
Press Dimension (L×W×H)	mm	3425×3405×5280	3665×3655×5810	3960×3975×6150	4200×4200×6675	4410×4435×7800	5355×4863×9075	6060×6083×10570