

APE SERIES

Closed double-crank
precision steel frame press

160T~600Tons

APE系列闭式门型双曲轴
精密钢架冲床

- With high rigidity rack design, they are welded with the use of high-quality steel plates, through relieving of internal stresses, so that stability and reliability of the whole machine in precision are enhanced.



- 高刚性机架设计，采用优质钢板焊制，经过消除内应力工艺处理。提高了整机精度的稳定性和可靠性能。



性能特点 Performance feature

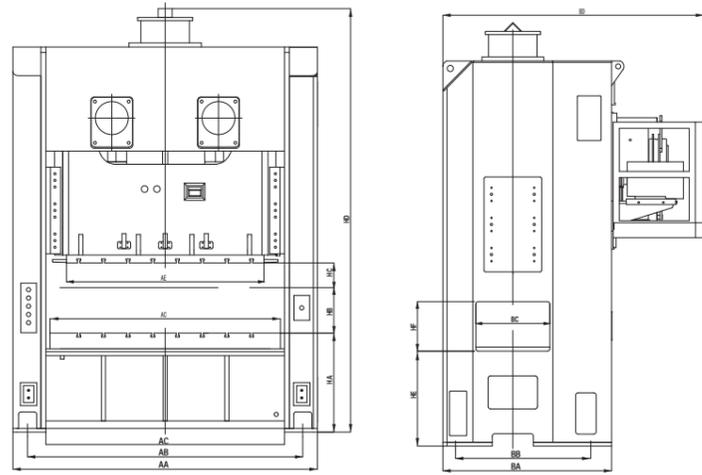
- High steel performance frame, large center span of the connecting rod, strong anti partial load, optimize design.
- In order to guarantee relative stationarity of machine operation, it is necessary to balance two balancers.
- Moulding-adjustment precision is as high as 0.1mm, safe, speedy, and reliable.
- Through hard oxidation and grinding, such parts as bent axles, gear sets, and connecting rods possess higher combination property and tolerance.
- Adopt highly sensitive and reliable clutch/brake and internationally top duplex magnetic valve, as well as overload protection devices, to guarantee precision and safety for operation and stop of press rams.
- Machine's structural design shall be reasonable, for the convenience of realizing automatic production, reducing cost, and improving efficiency.
- Possess advanced design concepts, low noise, low consumption, and energy saving.
- 高钢性能机架，连杆中心跨度大，抗偏载强，优化设计。
- 为了保证机器运转的相对稳定性，采用对称平衡器装置设计方式。
- 调整精密高达0.1mm，安全、便捷、可靠。
- 曲轴、齿轮组、连杆等部件，经硬氧化和研磨等工艺处理后，具有极高的综合性能和耐用性。
- 采用高度灵敏、可靠的离合器/刹车器装置和国际顶尖的双联电磁阀，过载保护装置，确保压力机滑块运转及停止的精确性与安全性。
- 机器结构设计合理，便于实现自动化生产，降低成本，提高效率。
- 先进的设计理念，低噪音，低能耗，节省能源。

技术参数 Technical parameters

名称	Name	单位	APE-160		APE-200		APE-250		APE-300		APE-400		APE-500		APE-600	
型式	Model		S	H	S	H	S	H	S	H	S	H	S	H	S	H
吨数	Capacity	ton	160		200		250		300		400		500		600	
冲力发生位置	Rated tonnage point	mm	6	3	6	3	7	3	7	3	7	3	10	6	10	6
行程	Stroke	mm	180	130	250	150	280	170	300	170	300	170	300	180	300	180
每分钟行程数	Speed changing	s.p.m	30-55	40-85	20-50	35-70	20-40	30-60	20-35	30-50	20-30	20-40	18-25	20-30	15-25	20-30
最大装模高度	Max.die height	mm	450	400	500	450	550	450	550	450	550	450	580	480	600	500
滑块调整量	Slide adjustment	mm	100		120		120		120		120		120		120	
上工作台尺寸	Slide area	mm	1600 × 650		1850 × 750		2300 × 900		2300 × 900		A:2300 × 1000 B:2500 × 1000 C:2900 × 1000		3000 × 1000		3200 × 1100	
下工作台尺寸	Bolster area	mm	1800 × 760		2200 × 940		2500 × 1000		2500 × 1000		A:2500 × 1000 B:2800 × 1000 C:3200 × 1000		3300 × 1200		3500 × 1200	
侧向开口	Side opening	mm	700 × 450		900 × 600		900 × 600		900 × 600		900 × 600		1000 × 750		1100 × 750	
主电动机	Main motor	Kw×P	15 × 4		18.5 × 4		22 × 4		30 × 4		37 × 4		45 × 4		55 × 4	
滑块调整电机	Slide adjust device	Kw×P	1 × 4		2 × 4		2 × 4		2 × 4		2 × 4		3 × 4		1 × 4	
使用空气压力	Air pressure	Mpa	0.6		0.6		0.6		0.6		0.6		0.6		0.6	
冲床精度	Presses precision		GB(JIS)1class 一级													

All specifications, dimensions and design characteristics shown in this catalogue are subject to change without notice.

本公司随时进行研究改善的工作，因此本型录内所规定尺寸及设计特性，得以变更，不另行通知。



Overall dimension 外型尺寸

规格 Specification	APE-160		APE-200		APE-250		APE-300		APE-400		APE-500		APE-600	
型式 Model	S	H	S	H	S	H	S	H	S	H	S	H	S	H
AA	2590		3000		3600		3600		A:3500/B:3700/C:4100		4300		4700	
AB	2240		2650		3250		3250		A:3150/B:3350/C:3750		3900		4250	
AC	1800		2200		2500		2500		A:2500/B:2800/C:3200		3300		3500	
AD	1880		2290		2800		2800		A:2700/B:2900/C:3300		3400		3650	
AE	1600		1850		2300		2300		A:2300/B:2500/C:2900		3000		3200	
BA	1400		1600		1815		1865		2050		2210		2550	
BB	1200		1260		1375		1505		1550		1760		2200	
BC	700		900		900		900		900		1000		1100	
BD	2150		2800		3024		3040		3164		3510		3900	
HA	800		1000		1150		1200		1200		1345		1400	
HB	450	400	500	450	550	450	550	450	550	450	580	480	600	500
HC	190	130	250	150	280	170	300	170	300	170	300	180	300	180
HD	3400	3300	4116	3966	4330	4040	4535	4570	4850	4650	5500	5620	6100	5870
HE	900		940		1000		1000		1150		1290		1350	
HF	450		600		600		600		600		750		750	

标准配置 Standard configuration

- > 干式离合刹车器
- > 易锻标准操作系统
- > 运转模式选择/切/寸动/安全一行程/连续
- > 油压过负荷保护装置
- > 二度落保护装置
- > 双联电磁阀
- > 误送检测装置
- > 电动滑块调整装置
- > 数字式模高指示器(单位0.1mm)
- > 电动黄油润滑装置
- > 累计计数器6位数
- > 预调计数器6位数
- > 保养计数器6位数
- > 寿命计数器6位数
- > 电子式旋转凸轮开关预备6连
- > 喷风装置1/2" 一回路
- > 空气源接头1/2" 二回路
- > 误送检知插座
- > 电源插座
- > Dry clutch brake
- > standard operating system of yiduan
- > Choice/cutting/inch/safe journey/continuation of operating mode
- > Oil pressure overload protection device
- > Over-run safety device
- > Duplex magnetic valve
- > Misfeed detection consent
- > Electric slider adjusting device
- > Digital moulding-height indicator (unit: 0.1 mm)
- > Auto grease pump device
- > Accumulative counter (6 digits)
- > Pre-determined counter (6 digits)
- > Maintenance counter (6 digits)
- > Life counter (6 digits)
- > Electronic rotary cam switch (6 connections)
- > Air-blast device 1/2" one circuit
- > Air source connector 1/2" two circuit
- > Error inspection socket
- > Power socket

选择配置 Optional configuration

- > 湿式离合刹车器
- > 模垫装置
- > Vs变速马达
- > 触摸屏装置
- > 光电安全装置
- > 滑块上部顶料装置
- > 主马达逆转装置
- > 脚踏开关
- > 安全挡块及安全插销
- > T型双手按钮操作台
- > 附检知变联电磁阀
- > 防震机械脚
- > 快速模具交换
- > 上夹模器
- > 下夹模器
- > 举模器
- > 移模臂
- > 基础螺丝及基础板
- > 自动送料装置
- > 三合一NC矫直送料机
- > Nc滚轮送料机
- > 二合一料架兼矫直机
- > 矫直机(整平机)
- > Wet clutch brake
- > Die cushion device
- > Vs variable-speed motor
- > Touch-screen device
- > Photo-electric safety device
- > Upper slider feeding device
- > Main motor inversion device
- > Foot switch
- > Safety dog and safety latch
- > T-type two-hand button operating floor
- > Inspection variable-connection magnetic valve
- > Anti-vibration mechanical foot
- > Rapid tooling exchange
- > Upper die clamper
- > Lower die clamper
- > Die lifter
- > Mould-shift arm
- > Basic bolt and soleplate
- > Automatic feeder device
- > Three-in-one NC straightening feeder
- > NC Roll feeder
- > Three-in-one feeder and straightening machine
- > Leveller