

APD SERIES

Semi-closed high-precision
steel frame press

80T~315Tons

APD系列半闭式高精密强力钢架冲床

Performance feature

- 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.
- Consistent driving center and machine center to guarantee accurate and stable punching.
- 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.
- 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。
- 传动中心与机器整体的中心一致, 确保冲压的精确、稳定。
- 为保证机器运转的相对平稳性, 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。

性能特点

- 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。

- 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.



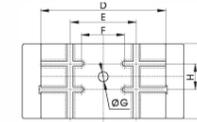
标准配置 Standard configuration

- > 变频器
- > 油压式过载保护装置
- > 电动式黄油润滑装置
- > 电动式滑块调整装置
- > 电动式模高指示器
- > 滑块及模具平衡装置
- > 误送检测装置
- > 电源插座
- > 旋转凸轮开关
- > 曲轴角度指示器
- > 计数器
- > 空气源接头
- > 二度落保护装置
- > 维护工具及工具箱
- > 使用说明书
- > Inverter
- > Hydraulic overload protector
- > Electrical automatic lubrication system
- > Electric slider adjusting device
- > Electric moulding-height indicator
- > Slider and mould balancing device
- > Misfeed detection consent
- > Power socket
- > Rotary cam switch
- > Crank angle indicator
- > Counter
- > Air source connector
- > Over-run safety device
- > Maintenance tool and tool box
- > Operating manual

选择配置 Optional configuration

- > 气压模垫装置
- > 预裁计数器
- > 预断计数器
- > 脚踏开关
- > 快速换模装置 (举模器、夹模器或移模臂)
- > 滑块上部打料装置
- > 防震脚
- > 光电保护装置
- > 送料机(空气、机械及NC各类)
- > 料架
- > 矫平机
- > 机械手
- > 模具照明装置
- > 左(右)侧送料装置
- > 人机控制系统
- > Air die cushion device
- > Preset counter
- > Preset counter
- > Foot switch
- > Quick die change device (Die lifter, die clamber, or mould-shift arm)
- > Feeding device on the slider
- > Anti-vibration foot
- > Photo-electric safety device
- > Feeder (air, machinery, and NC)
- > Uncoiler
- > Straightener
- > Mechanism hand
- > Die lighting device
- > Left (right) feeding device
- > Hunman-computer counter system

上工作台 Slide



下工作台 Bolster



MODEL	A	B	C	D	E	F	G	H	I
APD-80	360	180	150	700	300	220	∅ 50	180	420
APD-110	400	200	160	830	300	220	∅ 50	220	470
APD-160	440	220	220	910	300	175	∅ 65	220	550
APD-200	480	240	280	1050	420	200	∅ 65	300	630
APD-260	520	260	290	1130	420	200	∅ 65	300	700
APD-315	540	280	300	1130	450	200	∅ 65	300	750

技术参数 Technical parameters

名称	Name	单位	APD-80		APD-110		APD-160		APD-200		APD-260		APD-315	
型式	Model		V型	H型	V型	H型	V型	H型	V型	H型	V型	H型	V型	H型
吨数	Capacity	ton	80		110		160		200		260		315	
冲力发生位置	Rated tonnage point	mm	4	2	6	3	6	3	6	3	7	3.5	7	3.5
行程	Stroke	mm	150	70	180	80	200	90	200	100	250	150	280	170
最大装模高度	Max. die height	mm	340	380	360	410	460	510	460	510	500	550	550	600
每分钟行程数	Speed changing	s.p.m	35-80	80-120	30-60	60-90	20-50	40-70	20-50	50-70	20-40	40-50	20-35	30-50
滑块调整量	Slide adjustment	mm	80		80		100		110		120		120	
上工作台尺寸	Slide area	mm	700×420×70		830×470×80		910×550×90		1050×630×90		1130×700×100		1130×750×110	
下工作台尺寸	Bolster area	mm	910×550×90		1100×590×110		1200×800×140		1400×820×160		1540×840×190		1560×900×200	
主电动机	Main motor	kw×p	7.5×4		11×4		15×4		18.5×4		22×4		30×4	
滑块调整电机	Slide adjust device		电动 Electrical driving											
使用空气压力	Air pressure	Mpa	0.6		0.6		0.6		0.6		0.6		0.6	
冲床(长×宽×高)	Presses dimension	mm	1300×1890×3000		1420×1985×3200		1600×2200×3650		1750×2500×4200		2080×2895×4470		2100×2925×4650	
冲床精度	Presses precision		GB(JIS)1class 一级											
模垫能力	Die cushion capacity	ton	3.6		6.3		10		14		14		14	
模垫行程长	Stroke	mm	70		80		80		100		100		100	
模垫有效面积	Die cushion effective area	mm ²	450×310		500×350		620×410		710×480		810×480		810×480	

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。