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EDPS

易锻精密冲床

400-880-7702

全国服务热线

**our continuously persistent development
history is our incomparable wealth!**

我们不断持续的发展历程，是我们无可比拟的财富!

浙江易锻精密机械有限公司

ZHEJIANG YIDUAN PRECISION MACHINERY CO.,LTD.

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www.nbyiduan.com

- 本公司随时进行研究工作，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。
- All specifications, dimensions and design characteristics shown in this catalogue are subject to change without notice.

**YIDUAN
MACHINERY**

15-2000TonS

our continuously persistent development history
is our incomparable wealth!

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Located in Ningbo north of Xiangshan. Zhejiang Yiduan Precision Machinery Co., Ltd. is superior in geographical location and convenient in transportation, from the high-speed entrance only 2 km, 56km to Beilun Port, the Oriental Super Port, and 56km to Ningbo International Airport. Corporate headquarters and various production plants are reasonable in layout and orderly in management, with good and sustainable basic conditions.

Yiduan Company specially produces precision and high-speed punches (15-2000Tons), possessing such advanced quality control means as super-huge CNC machining devices in quantity, precision testers, and whole set of physical and chemical devices, realizing

浙江易锻精密机械有限公司位于宁波象山北，地理位置优越，交通便利，距离高速入口仅2公里，距东方大港北仑港56公里，距宁波国际机场56公里。公司总部与各生产厂区布局合理，管理有序，具有良好的可持续发展的基础条件。

YIDUAN公司专业生产精密、高速型系列冲床(15T-2000T)，并拥有特大型和大批的数控加工设备，各项精密检测仪器，以及

such enterprise information engineerings as ERP, PDM, and CAM etc., and having strain capacity in quickly responding market demands.

Yiduan Company insists in the quality policy of "pursue quality, serve wholeheartedly", improves all staffs' quality awareness and work quality level continuously, defines quality objectives and principles to be followed, and guarantees dominant position of products' advancement and reliability in market competition. Welcome customers to choose and purchase products in special requirements.

全套理化设施等先进的质量控制手段，实现了ERP、PDM、CAM等企业信息工程，具备快速响应市场需求的应变能力。

YIDUAN公司坚持“铭求质量，竭诚服务”的质量方针，不断提高全员质量意识和工作质量水平，明确质量目标和遵循的原则，确保产品的先进性、可靠性在市场竞争中的优势地位。欢迎广大顾客选购，并承接发顾客需要的特殊规格产品。

COMPANY PROFILE

Yiduan Precision Machinery

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Multi-functional electrical control system 多功能电气控制系统



电子角度显示器

触摸屏显示器

主马达停止开关

主马达启动开关

主马达正反转开关

功能转换开关

气压指示

电源指示

调模指示

主电机启动

运转异常指示

超负荷指示

预留开关

电源开关

调速开关

周边设备接口

- 两组误送检知接口，可通过触摸屏由电子凸轮进行ON, OFF有效区域设定和常开(NO)常闭(NC)接口类型切换。
- 提供国标220V 10 A电源插座，也可根据客户使用插头标准更换。

运转监视

- 冲床运动自动检测，可检测曲轴断裂，刹车片磨损过量，编码器异常，离合器异常等功能，以确保冲床的安全操作。
- 主马达运转态度(正转、反转、电流、电压、频率)、变频器异常代码和冲床转速 (SPM)均在触摸屏上显示，并可进行寸动停止位置设定。
- 机器异常信息均可在触摸屏上显示，并有故障排除方法提示。
- 安全光栅及二度落均有硬件回落、软件回路双重保护。

电子凸轮角度控制

- 电子凸轮ON/OFF开关均在触摸屏上设定，操作简便。
- 电子凸轮预备3组供客户使用，也可根据客户要求要求进行扩充，无需改变机械构造。
- 全自动定位停止修正，自动根据冲床速度自动改变，确保定位停止可靠性，也可根据刹车片磨损进行修正。

行程计数器

- 客户所需行程计数功能均包含在内，有预断计数器(批量计数器)、日产计数器、总产量计数器(累计计数器)裁断计数器等。
- 计数器设定及状态均可在触摸屏设定和显示。

Punch standard deployment diagram

冲床标准配置图



Product process

产品工艺

- Complete machine is processed with the use of CNC cutting, CO2 welding, and tempering;
 - Body and sliding blocks are processed with the use of CNC milling machine;
 - Gears are processed with the use of German gear grinding machine;
 - Friction parts, such as curves and saws, are processed through heat treatment and grinding, with the use of alloy steel;
 - Adopt Japanese bearings, oil seals, and air valves;
 - Thorough electric loop design meets European standard.
- 整机采用CNC切割，CO2焊接，并回火工艺处理
 - 机身，滑块采用CNC数控搪铣床加工
 - 齿轮采用德国磨齿机精密研磨
 - 曲线、锯牙组等摩擦部分均采用合金钢，经过热处理、研磨等精密加工
 - 采用日本轴承、油封和气阀
 - 周密型之电气回路设计，符合欧洲标准

MANUFACTURING STANDARD

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制造标准

日本JIS 1级标准
Japanese JIS 1 class standard



EDPS

Processing Equipment

加工设备

HIGH PRECISION POWER PRESS MACHINE

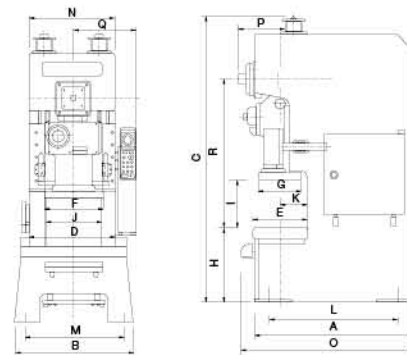
APA系列高精密强力钢架冲床

- 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.
- 为保证机器运转的相对平稳性, 采用对称两只平衡器装置设计方式。
- 调模精密高达0.1mm, 安全、便捷、可靠。



15~315Tons APA SERIES

- 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.
- 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。



Performance feature 性能特点

- 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.
- 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, 低消耗, 节省能源。

Standard configuration 标准配置

- > 变频器
- > 油压式过载保护装置
- > 电动式黄油润滑装置
- > 手动式滑块调整装置 (60Tons及以下)
- > 电动式滑块调整装置(80Tons及以上)
- > 机械式模高指示器(60Tons及以下)
- > 电动式模高指示器(60Tons及以上)
- > 滑块及模具平衡装置
- > 旋转凸轮开关
- > 误送检测装置
- > 电源插座
- > 曲轴角度指示器
- > 计数器
- > 空气源接头
- > 二度落保护装置
- > 喷风装置
- > 维护工具及工具箱
- > 使用说明书
- > Inverter
- > Hydraulic over-load protector
- > Electrical automatic lubrication system
- > Manual slide adjust device (60Tons and below)
- > Slide adjust device(80Tons and above)
- > Automatic die height indicator (60Tons and below)
- > Die height indicator (60Tons and above)
- > Balance device
- > Rotary cam switch
- > Misfeed detection consent
- > Power supply
- > Crank angle indicator
- > Electrical stroke counter
- > Air source connector
- > Against over-run safety device
- > Air ejector
- > Maintenance tool box
- > Operation manual

Optional configuration 选择配置

- > 湿式离合器
- > 气压模垫装置
- > 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
- > 触摸屏(预断、预裁、总计数)
- > PAC100控制系统
- > 人机控制系统
- > High performance wet clutch & brake
- > Pneumatic die cushion device
- > Foot switch
- > Quick die change device (die lifter, clamp and die arm sepjes)
- > Slide knock-out device
- > Anti-vibration press mount
- > Photo-electronic safety device
- > Feeder
- > Uncoiler
- > Leveler
- > Mechanism hand
- > Die room light
- > Touch pad(preset, total counter)
- > PAC 100 counter system
- > Human-computer counter system

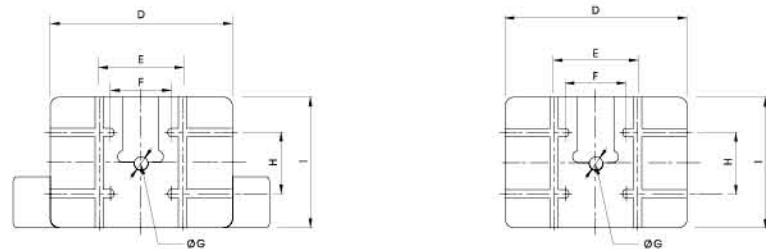
Overall dimension 外型尺寸

规格 Pefication	APA-25	APA-35	APA-45	APA-60	APA-80	APA-110	APA-160	APA-200	APA-260	APA-315
A	1100	1200	1400	1420	1595	1720	2140	2440	2605	2605
B	840	900	950	1000	1170	1290	1390	1690	1850	1950
C	2135	2345	2425	2780	2980	3195	3670	4075	4470	4826
D	680	800	850	900	1000	1150	1250	1400	1500	1600
E	300	400	440	500	550	600	800	820	840	900
F	470	520	560	700	770	910	990	1130	1130	1130
G	250	285	340	400	420	470	550	630	700	750
H	800	790	800	795	830	830	910	1030	1030	1185
I	260	290	320	420	480	530	650	650	750	830
J	444	488	502	526	534	616	660	790	900	970
K	160	205	225	255	280	305	405	415	430	450
L	980	1040	1170	1180	1310	1420	1760	2040	2005	2180
M	700	800	840	890	980	1100	1200	1400	1560	1660
N	540	620	670	720	780	920	1000	1160	1300	1420
O	1275	1375	1575	1595	1770	1895	2315	2615	2780	2780
P	278	278	313	333	448	488	545	593	688	723
Q	447	560	585	610	620	685	725	805	875	925
R	935	1073	1130	1378	1506	1650	1960	2188	2460	2595

Technical parameters 技术参数

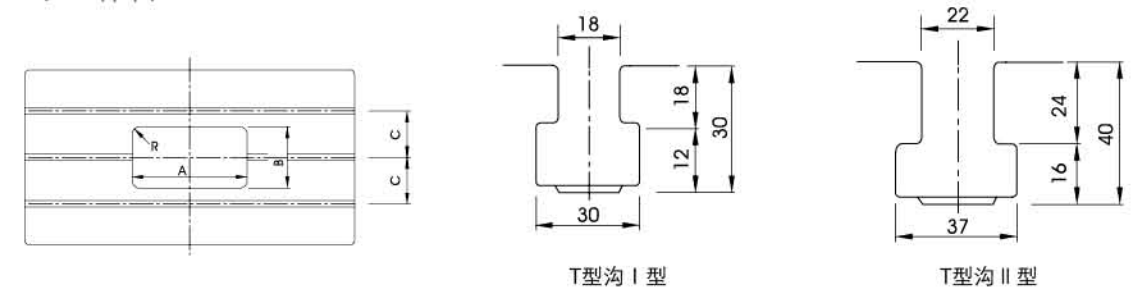
名称	Name	单位	APA-15	APA-25A	APA-25	APA-35	APA-45	APA-60	APA-80	APA-110	APA-160	APA-200	APA-260	APA-315
型式	Model		V型	V型	V型	H型	V型	H型	V型	H型	V型	H型	V型	H型
吨数	Capacity	ton	15	25	25	35	45	60	80	110	160	200	260	315
冲力发生位置	Rated tonnage point	mm	1	3.2	3.2	1.6	3.2	1.6	4	2	4	2	6	3
每分钟行程数	变速	Speed changing	120-180	60-140	60-140	130-200	40-120	110-180	40-100	100-150	35-90	80-120	35-80	80-120
	定速	Stable speed	130	110	110	85	75	65	65	50	35	35	30	30
行程	Stroke	mm	60	80	60	30	70	40	80	50	120	60	150	70
最大装模高度	Max.die hight	mm	200	195	200	215	220	235	250	265	310	340	340	380
滑块调整量	Slide adjustment	mm	50	50	50	55	55	75	80	80	100	110	110	120
上工作台尺寸	Slide area	mm	300×230×50	300×230×50	300×230×50	360×250×50	360×300×60	500×360×70	560×420×70	650×470×80	700×550×90	850×630×90	950×700×100	1130×750×110
下工作台尺寸	Bolster area	mm	680×300×70	680×300×65	680×300×70	800×400×70	800×440×80	900×500×80	1000×550×90	1150×600×90	1250×800×140	1400×820×160	1500×840×180	1600×900×200
模柄孔	Shank hole	mm	∅38.1	∅38.1	∅38.1	∅38.1	∅38.1	∅38.1	∅50	∅50	∅50	∅65	∅65	∅65
主电动机	Main motor	kw.p	2.2×6	3.7×4	3.7×4	3.7×4	5.5×4	5.5×4	7.5×4	11×4	15×4	18.5×4	22×4	30×4
滑块调整电机	Slide adjust device		手动 Manual operation						电动 Electrical driving					
使用空气压力	Air pressure	kg/cm ²	6	6	6	6	6	6	6	6	6	6	6	6
冲床精度	Presses precision		GB(JIS)1class 一级	GB(JIS)1class 一级	GB(JIS)1class 一级	GB(JIS)1class 一级	GB(JIS)1class 一级	GB(JIS)1class 一级	GB(JIS)1class 一级	GB(JIS)1class 一级	GB(JIS)1class 一级	GB(JIS)1class 一级	GB(JIS)1class 一级	GB(JIS)1class 一级
冲床(长×宽×高)	Presses dimension	mm	1236×830×1920	1280×850×2200	1280×850×2200	1380×900×2400	1575×950×2500	1595×1000×2800	1800×1100×2800	1900×1300×3200	2315×1400×3670	2615×1690×4075	2780×1850×4470	2870×1980×4830
冲床重量	Presses weight	tons	1.8	2.1	2.1	3	3.8	5.6	6.5	9.6	16	23	32	36
模垫能力	Die cushion capacity	ton	-	-	-	2.3	2.3	3.6	3.6	6.3	10	14	14	14
模垫行程长	Stroke	mm	-	-	-	50	50	70	70	80	80	80	100	100
模垫有效面积	Die cushion effective area	mm ²	-	-	-	300×230	300×230	350×300	450×310	500×350	650×420	710×480	810×480	810×480

Slide 上工作台

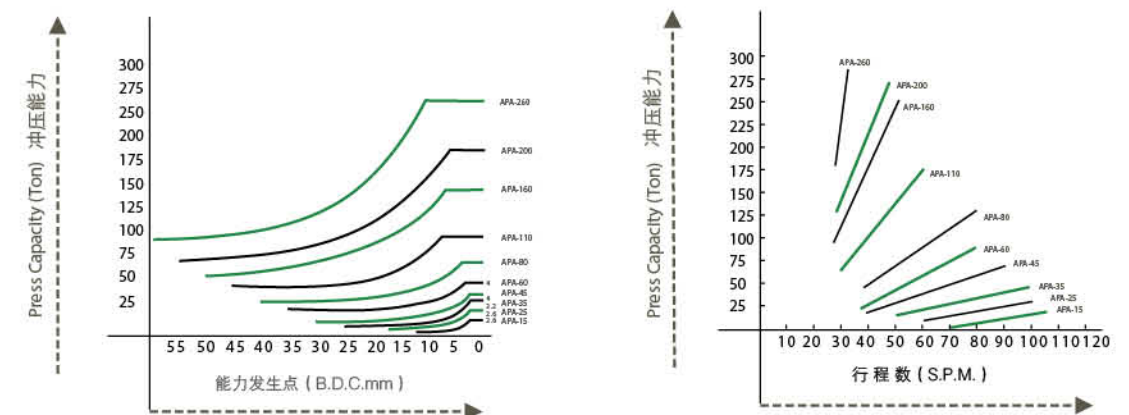


Model	A	B	C	D	E	F	G	H	I	T型沟
APA-15	240	120	90	300	-	150	∅ 38.1	80	230	I
APA-25A	240	120	90	300	-	150	∅ 38.1	80	230	I
APA-25	240	120	90	300	-	150	∅ 38.1	80	230	I
APA-35	280	140	120	360	-	160	∅ 38.1	100	250	I
APA-45	300	150	120	400	-	210	∅ 38.1	120	300	I
APA-60	320	160	150	500	220	220	∅ 50	160	360	II
APA-80	360	180	150	560	300	220	∅ 50	180	420	II
APA-110	400	200	160	650	300	220	∅ 50	220	470	II
APA-160	440	220	220	700	300	175	∅ 65	220	550	II
APA-200	480	240	280	850	420	200	∅ 65	300	630	II
APA-260	520	260	290	950	420	200	∅ 65	300	700	II
APA-315	520	260	290	950	420	200	∅ 65	300	700	II

Bolster 下工作台



Capacity curve chart 能力曲线图



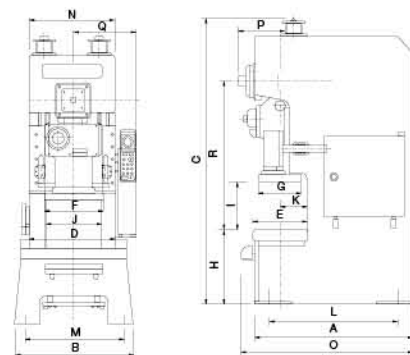
HIGH PRECISION POWER PRESS MACHINE

APA(B型)系列
高精精密强力钢架冲床



160~315Tons
APA-B SERIES

- 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.
- 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。



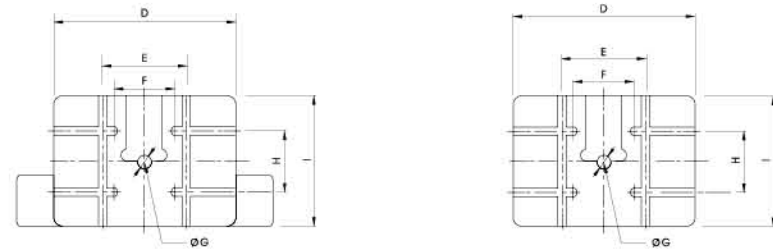
Performance feature 性能特点

- 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.
- 为保证机器运转的相对平稳性, 采用对称两只平衡器装置设计方式。
- 调模精密高达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, 低消耗, 节省能源。

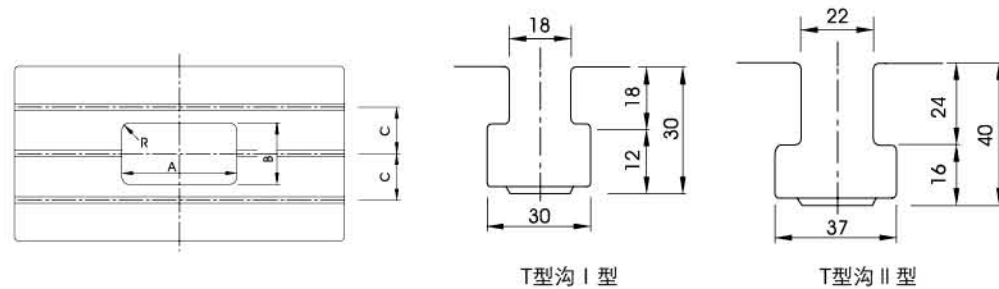
Technical parameters 技术参数

名称	Name	单位	APA-160B		APA-200B		APA-260B		APA-315B	
型式	Model		V型	H型	V型	H型	V型	H型	V型	H型
吨数	Capacity	ton	160		200		260		315	
冲力发生位置	Rated tonnage point	mm	6	3	6	3	6	3	7	3.5
每分钟行程数	变速	s.p.m	20-50	40-70	20-50	40-70	20-50	50-70	20-40	40-50
	定速	s.p.m	35		35		30		30	
行程	Stroke	mm	200	90	200	90	200	100	250	150
最大装模高度	Max.die high	mm	400	450	460	510	460	510	500	550
滑块调整量	Slide adjustment	mm	100		100		110		120	
上工作台尺寸	Slide area	mm	700x550x90		850x550x90		850x630x90		950x700x100	
下工作台尺寸	Bolster area	mm	1250x760x140		1350x820x140		1400x820x160		1600x900x180	
模柄孔	Shank hole	mm	Ø65		Ø65		Ø65		Ø65	
主电动机	Main motor	kw.p	15x4		18.5x4		22x4		30x4	
滑块调整电机	Slide adjust device		电动 Electrical driving							
使用空气压力	Air pressure	kg/cm ²	6		6		6		6	
冲床精度	Presses precision		GB(JIS)1class 一级		GB(JIS)1class 一级		GB(JIS)1class 一级		GB(JIS)1class 一级	
冲床(长×宽×高)	Presses dimension	mm	2420x1390x3465		2420x1490x3612		2735x1780x4070		2845x1950x4500	
冲床重量	Presses weight	tons	14		16		22		33	
模垫能力	Die cushion capacity	ton	10		10		14		14	
模垫行程长	Stroke	mm	80		80		100		100	
模垫有效面积	Die cushion effective area	mm ²	650x420		650x420		710x480		810x480	

Slide 上工作台



Bolster 下工作台



Overall dimension 外型尺寸

规格 Pecification	APA-160B	APA-200B	APA-260B	APA-315B
A	2140	2140	2440	2665
B	1390	1490	1500	1950
C	3462	3612	4070	4500
D	1250	1350	1500	1600
E	760	820	820	900
F	990	990	1130	1130
G	550	550	630	750
H	900	900	995	1100
I	600	660	660	750
J	660	720	880	970
K	385	415	415	460
L	1760	1760	1830	2035
M	1200	1300	1500	1660
N	1000	1100	1260	1400
O	2420	2420	2735	2845
P	545	593	688	723
Q	775	825	895	925
R	1910	1970	2188	2460

Model	A	B	C	D	E	F	G	H	I	T型沟
APA-160B	440	220	220	700	300	175	∅65	220	550	II
APA-200B	480	240	280	850	420	200	∅65	300	550	II
APA-260B	520	260	290	850	420	200	∅65	300	630	II
APA-315B	520	260	290	950	420	200	∅65	300	700	II

Standard configuration 标准配置

- > 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
- > Inverter
- > Hydraulic over-load protector
- > Electrical automatic lubrication system
- > Slide adjust device
- > Die height indicator
- > Balance device
- > 旋转凸轮开关
- > 误送检测装置
- > 电源插座
- > 曲轴角度指示器
- > 计数器
- > Rotary cam switch
- > Misfeed detection consent
- > Power supply
- > Crank angle indicator
- > Electrical stroke counter
- > 空气源接头
- > 二度落保护装置
- > 喷风装置
- > 维护工具及工具箱
- > 使用说明书
- > Air source connector
- > Against over-run safety device
- > Air ejector
- > Maintenance tool box
- > Operation manual

Optional configuration 选择配置

- > 湿式离合器
- > 气压模垫装置
- > 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
- > 触摸屏(预断、预裁、总计数)
- > PAC100控制系统
- > 人机控制系统
- > High performance wet clutch & brake
- > Pneumatic die cushion device
- > Foot switch
- > Quick die change device (die lifter, clamp and die arm sepjes)
- > Slide knock-out device
- > Anti-vibration press mount
- > Photo-electronic safety device
- > Feeder
- > Uncoiler
- > Leveler
- > Mechanism hand
- > Die room light
- > Touch pad(preset, total counter)
- > PAC 100 counter system
- > Human-computer counter system

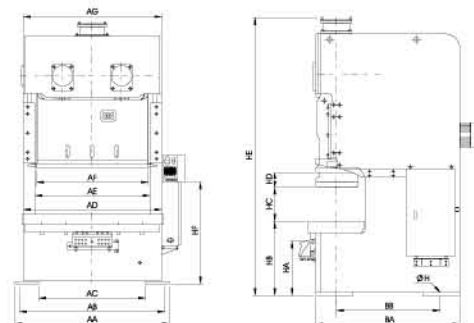
DOUBLE-CRANK PRECISION STEEL FRAME PRESS

APC系列双曲轴精密钢架冲床



110~250Tons
APC SERIES

- 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。



Performance feature 性能特点

- Machine adopts high-alloy-steel, two-bent-axle, and two-wide work center, to 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.
- 机器采用高合金钢、双曲轴、两个宽的工作中心，距连杆支承结构，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，低消耗，节省能源。

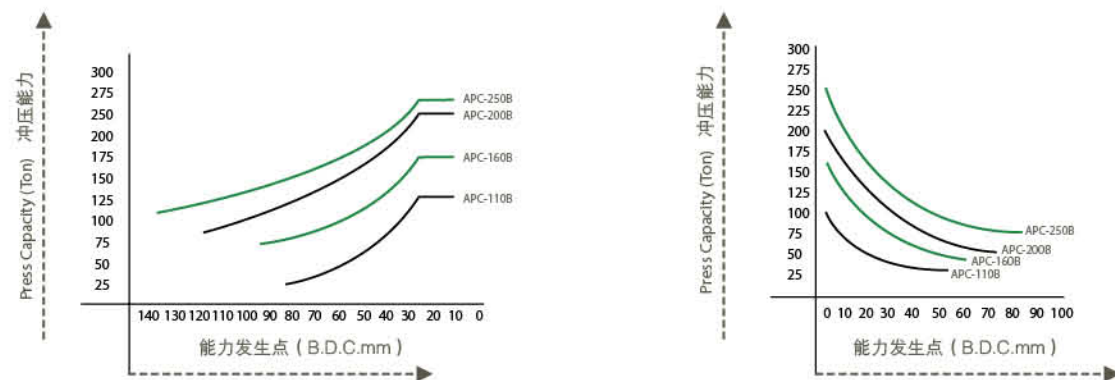
Overall dimension 外型尺寸

规格 Specification	APC-110		APC-160		APC-200		APC-250	
型式 Model	V	H	V	H	V	H	V	H
AA	2000		2200		2620		3000	
AB	1900		2080		2460		2800	
AC	1360		1520		1820		2200	
AD	1800		2000		2400		2700	
AE	1510		1660		1990		2220	
AF	1400		1600		1850		2100	
AG	1780		1980		2320		2590	
BA	1745		1940		2235		2545	
BB	1295		1380		1885		2195	
BC	650		760		840		900	
BD	330		385		425		455	
BE	500		550		650		700	
HA	(630)		(730)		(790)		(820)	
HB	830	865	990	1025	1070	1120	1100	1155
HC	400	435	450	485	500	550	550	605
HD	180	110	200	130	250	150	280	170
HE	3059		3709		3849		4304	
HF	1240		1440		1570		1680	
Øh	Ø35		Ø47		Ø54		Ø54	

Technical parameters 技术参数

名称	Name	单位	APC-110		APC-160		APC-200		APC-250	
型式	Model		V	H	V	H	V	H	V	H
吨数	Capacity	ton	110		160		200		260	
能力发生点	Rated tonnage point	mm	5	3	6	3	6	3	7	3.5
行程长	Stroke	mm	180	110	200	130	250	150	280	170
行程数	Stable speed	s.p.m	35-65	50-100	20-50	40-70	25-45	35-70	20-35	30-60
最大装模高度	Max.die hight	mm	400	435	400	450	500	550	550	605
滑块调整量	Slide adjustment	mm	100		100		120		120	
下工作台尺寸	Bolster area	mm	1800×650×130		2000×760×150		2400×840×170		2700×900×170	
上工作台尺寸	Slide area	mm	1400×500×70		1600×550×70		1850×650×95		2100×700×95	
主电动机	Main motor	kw×P	11×4		15×4		18.5×4		22×4	
冲床重量	Presses weight	ton	14.2		20		27.5		45.5	
使用空气压力	Air pressure	kg/cm ²	6		6		6		6	
冲床精度	Presses precision		JIS(CNS) 1class 一级							
模垫型式	Die cushion model		Two plate & two cylinders 二板双缸							
模垫能力	Die cushion capacity	ton	3.6×2		6.3×2		10×2		14×2	
使用空气压力	Air pressure	kg/cm ²	6		6		6		6	
模垫行程长	Stroke	mm	80		80		80		100	
模垫顶板面积	Die cushion work part dimension	mm ²	350×235×2组		410×260×2组		540×350×2组		640×470×2组	

Capacity curve chart 能力曲线图



Standard configuration 标准配置

- > 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 (仅适用单相110V电源)
- > 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)
- > Electric butter lubricating device
- > Accumulative counter (6 digits)
- > Pre-determined counter (6 digits)
- > Maintenance counter (6 digits)
- > Life counter (6 digits)
- > Electronic rotatry cam switch (6 connections)
- > Air-blast device 1/2" primary circuit
- > Air source connector 1/2" secondary circuit
- > Error inspection socket
- > Power socket (only apply to single-phase 110V power)

Optional configuration 选择配置

- > 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
- > 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
- > 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)
- > 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

SEMI-CLOSED HIGH-PRECISION STEEL FRAME PRESS

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能。
- 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。



80~315Tons

APD SERIES

- 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.

性能特点

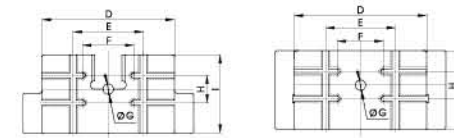
- 曲轴、齿轮组、连杆等部件，经硬氧化和研磨等工艺处理后，具有极高的综合性能和耐用性。
- 采用高度灵敏、可靠的离合器/刹车器装置和国际顶尖的双联电磁阀，过载保护装置，确保压力机滑块运转及停止的精确性与安全性。
- 机器结构设计合理，便于实现自动化生产，降低成本，提高效率。
- 先进的设计理念，低噪音，低消耗，节省能源。

Standard configuration 标准配置

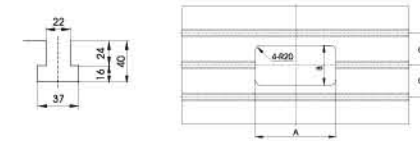
- > 变频器
- > 油压式过载保护装置
- > 电动式黄油润滑装置
- > 电动式滑块调整装置
- > 电动式模高指示器
- > 滑块及模具平衡装置
- > 误送检测装置
- > 电源插座
- > 旋转凸轮开关
- > 曲轴角度指示器
- > 计数器
- > 空气源接头
- > 二度落保护装置
- > 维护工具及工具箱
- > 使用说明书
- > Inverter
- > Hydraulic overload protector
- > Electrical automatic lubrication system
- > Electric slider adjusting device
- > 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

Optional configuration 选择配置

- > 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
- > PAC100控制系统
- > 人机控制系统
- > Air die cushion device
- > Preset counter
- > Preset counter
- > Foot switch
- > Quick die change device (Die lifter, die clammer, or mould-shift arm)
- > Feeding device on the slider
- > Anti-vibration foot
- > Photo-electric safety device
- > Feeder (air, machinery, and NC)
- > Feeding rack
- > Leveller
- > Manipulator
- > Die lighting device
- > Left (right) feeding device
- > PAC100 control system
- > Man-machine control system



Slide 上工作台



Bolster 下工作台

MODEL	A	B	C	D	E	F	G	H	I
APD-80	360	180	150	560	300	220	∅50	180	420
APD-110	400	200	160	650	300	220	∅50	220	470
APD-160	440	220	220	700	300	175	∅65	220	550
APD-200	480	240	280	850	420	200	∅65	300	630
APD-260	520	260	290	950	420	200	∅65	300	700
APD-315	540	280	300	1000	450	200	∅65	300	750

Technical parameters 技术参数

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	560x420x70	650x470x80	700x550x90	850x630x90	950x700x100	1130x750x110
下工作台尺寸	Bolster area	mm	760x550x90	900x600x90	980x800x140	1140x820x160	1500x840x180	1560x900x200
主电动机	Main motor	kwxp	7.5x4	11x4	15x4	18.5x4	22x4	30x4
滑块调整电机	Slide adjust device							
使用空气压力	Air pressure	kg/cm ²	6	6	6	6	6	6
冲床(长×宽×高)	Presses dimension	mm	1300x1890x3000	1420x1985x3200	1600x2200x3500	1750x2500x3900	2080x2895x4470	2100x2925x4550
冲床重量	Presses weight	ton	7.8	10.5	17.8	25.3	37	42
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	450x310	500x350	650x420	710x480	810x480	810x480

CLOSED DOUBLE-CRANK PRECISION STEEL FRAME PRESS

APE系列闭式门型双曲轴精密钢架冲床



160~600Tons

APE SERIES

- 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。

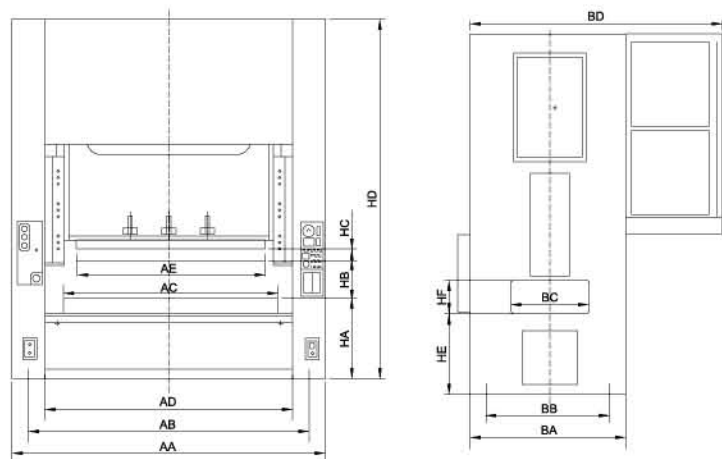


Performance feature 性能特点

- Machine adopts high-alloy-steel, two-bent-axle, and two-wide work center, to optimize design.
- 机器采用高合金钢、双曲轴、两个宽的工作中心，距连杆支承结构，优化设计。
- In order to guarantee relative stationarity of machine operation, it is necessary to balance two balancers.
- 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。
- Moulding-adjustment precision is as high as 0.1mm, safe, speedy, and reliable.
- 调整精密高达0.1mm，安全、便捷、可靠。
- Through hard oxidation and grinding, such parts as bent axles, gear sets, and connecting rods possess higher combination property and tolerance.
- 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度性。
- 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.
- 采用高度灵敏、可靠的离合器/刹车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。
- Machine's structural design shall be reasonable, for the convenience of realizing automatic production, reducing cost, and improving efficiency.
- 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。
- Possess advanced design concepts, low noise, low consumption, and energy saving.
- 先进的设计理念，低噪音，低消耗，节省能源。

Technical parameters 技术参数

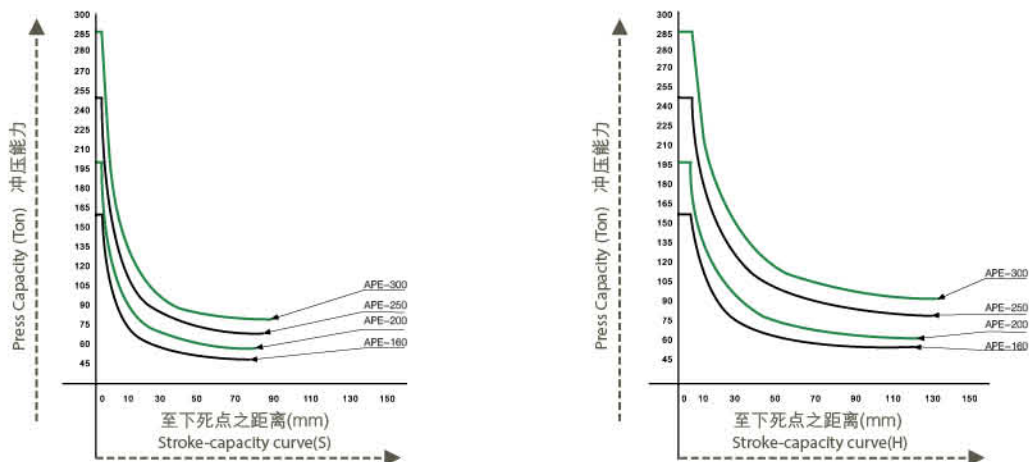
名称	Name	单位	APE-160		APE-200		APE-250		APE-300		APE-400		APE-500		APE-600	
型式	Model		S	H	S	H	S	H	S	H	S	H	S	H	S	H
吨数	Capacity	ton	160		200		250		300		400		500		600	
冲力发生位置	Rated tonnage point	mm	6	3	6	3	7	3	7	3	7	3	10	6	10	6
行程	Stroke	mm	200	130	250	150	280	170	300	170	300	170	300	180	300	180
每分钟行程数	Speed 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 hight	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	kg/cm ²	6		6		6		6		6		6		6	
冲床精度	Presses precision		GB(JIS)1class 一级													



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	

Capacity curve chart 能力曲线图



Standard configuration 标准配置

- > 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 (仅适用单相110V电源)
- > 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 rotatry cam switch (6 connections)
- > Air-blast device 1/2" primary circuit
- > Air source connector 1/2" secondary circuit
- > Error inspection socket
- > Power socket (only apply to single-phase 110V power)

Optional configuration 选择配置

- > 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
- > 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
- > 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)
- > 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

SINGLE-POINT HIGH-SPEED H TYPE PRESS

APK系列单点高速龙门冲床



80~200Tons

APK SERIES

Performance feature

- Control machine tools' actions with the use of rotary encoder and adopt human-computer interface system, for the convenience of human-computer communication.
- Lock connecting rod oil pressure and enhance precision of bottom dead center.
- With huge cost performance, they apply to motor rotor punching.

性能特点

- 使用旋转编码器控制机床各动作，采用人机界面系统，便于人与机床的沟通。
- 连杆螺纹油压锁紧，提高下死点精度。
- 极大的性价比，适合电机定转子冲压。

Standard configuration 标准配置

- > 电动式模高调整
- > 模高显示精度0.01mm
- > 寸动定位装置
- > 三组批量控制
- > 二组误送检出
- > 连动、单动具有0°及90°定位功能
- > 主机正逆转装置
- > 油压式滑块固锁装置
- > 独立式电控箱
- > 主机马达变频器控制
- > Electric moulding-height adjustmnet
- > Moulding-height display precision: 0.01mm
- > Inch positioning device
- > Three-group batch control
- > Two-group wrong inspection
- > Inter-action and single-action tools have 0° and 90° locate function
- > Host inversion device
- > Oil-pressure slider fixed-locking device
- > Independent electric control box
- > Host motor transducer control

Optional configuration 选择配置

- > 下死点精密检测器
- > 快速夹模装置
- > 高速送料机
- > 双头油压开卷机
- > 整平出料机
- > 防震装置
- > 冲压控制器
- > Bottom dead center precision detector
- > Leveling discharging machine
- > Shockproof device
- > Stamping controller
- > Double-end oil-pressure uncoiler

Technical parameters 技术参数

名称	Name	单位	APK-80	APK-125	APK-160	APK-200
吨数	Capacity	ton	80	125	160	200
冲力发生位置	Rated tonnage point	mm	2	3	3	3
行程	Stroke	mm	30	20	30	30
行程数	Speed changing	s.p.m	160~280	160~280	160~240	160~220
最大装模高度	Max.die hight	mm	360	400	400	400
滑块调整量	Slide adjustment	mm	50	50	50	50
立柱间距离	Distance between the column	mm	920	1160	1360	1320
上工作台尺寸	Slide area	mm	800x450	1000x550	1200x600	1200x600
下工作台尺寸	Bolster area	mm	900x500	1100x600	1300x700	1300x800
下料孔	Material hole	mm	450x150	600x150	600x250	600x250
主电动机	Main motor	kwxp	11	18.5	22	30
使用空气压力	Air pressure	kg/cm ²	6	6	6	6
冲床精度	Presses precision		GB(JIS)1class 一级			

SINGLE CRANK PRECISION PRESS MACHINE

STS系列单曲柄精密冲床

- Mix European, American, and Japanese advanced technologies/functional structure CAE dynamic simulation optimization design
- High-rigidity lathe bed high-quality steel profiling welding or in-block casting part tempering/vibration stress processing
- 融合欧美、日本先进技术/机能结构CAE动态仿真优化设计
- 高刚性床身优质钢仿形焊制或整体铸造件回火/振动应力处理



200~600Tons

STS SERIES

- High-standard fabrication processing of such key parts as gears and bent axles through hard chrome plating/nitriding/grinding
- Such high-level configurations as high-performance controllers/drive parts/electromagnetic clutches/steam-driven elements and bearings
- 齿轮、曲轴等主关零部件经镀铬/氮化/研磨高标准工艺处理
- 高性能控制器/驱动部件/电磁离合器/汽动元件、轴承等高端配置



Performance feature 性能特点

- Technical grade of international stamping equipment and inspection of machine index
- High-response multi-functional superposition expansion/high-quality industrial control processor
- High-memory module/individual design franchised software compilation
- High-compatibility multi-axial variable speed drive/automation equipment onboard expansion
- High-intelligent human-computer interface/high-frequency real-time control/Ethernet & USB interface
- 国际冲压设备技术等级，机器指标的测验
- 高响应多功能叠加扩容/高品质工控处理器
- 高内存级模块/个性设计特许软件编制
- 高兼容多轴向变速驱动/自动化装备线机载扩展
- 高智能人机界面/高频响实时控制/以太网&USB端口

Standard configuration 标准配置

- > 油压过负荷保护装置
- > 电动滑块调整装置
- > 数字式模高指示器(单位:0.1mm)
- > 滑块模具平衡装置
- > 旋转凸轮开关
- > 曲轴角度指示器
- > 循环集中式润滑给油装置
- > 电磁式行程计数器
- > 二度落保护装置
- > 可编程器
- > 移动式T型操作台
- > 空气源接头
- > 独立式电气控制箱
- > 维护工具及工具箱
- > Hydraulic overload protector
- > Electric slider adjusting device
- > Digital moulding-height indicator (unit: 0.1 mm)
- > Slider and mould balancing device
- > Rotary cam switch
- > Crank angle indicator
- > Circulation centralization lubrication oil feeding device
- > Electromagnetic journey counter
- > Over-run safety device
- > Programmable controller
- > Mobile T-type operating floor
- > Air source connector
- > Independence electric control cabinet
- > Maintenance tool and tool box

Optional configuration 选择配置

- > 模垫
- > 滑块上部顶料装置
- > 模具照明灯
- > 主马达逆转装置
- > 光电安全装置
- > 安全槽块及安全插销
- > 预调计数器(6位数)
- > 荷重检知装置
- > 误送检知装置
- > 变频器
- > 基础螺丝及基础板
- > 防震装置
- > 安全架及安全梯
- > 电源插座
- > 快速换模装置
- > Die cushion
- > Upper slider feeding device
- > Mould lamp
- > Main motor inversion device
- > Photo-electric safety device
- > Safety groove and safety pin
- > Pre-determined counter (6 digits)
- > Loading inspection device
- > Misfeed detection consent
- > Frequency converter
- > Basic bolt and soleplate
- > Anti-vibration foot
- > Safety shelf and safety ladder
- > Pwoer socket
- > Quick die change device

Technical parameters 技术参数

名称	Name	单位	STS-200	STS-250	STS-300	STS-400	STS-500	STS-600						
吨数	Capacity	ton	200	200	250	250	300	300	400	400	500	500	600	600
能力发生位置	Rated tonnage point	mm	4	7	4	7	9	7	9	7	13	7	7	13
行程	Stroke	mm	40	250	280	170	300	170	300	200	350	250	250	350
每分钟行程数	Speed changing	s.p.m	60-130	20-40	50-110	20-40	20-35	20-35	20-30	20-40	15-25	15-30	15-25	15-20
最大装模高度	Max.die hight	mm	350	550	380	550	650	550	600	650	650	700	700	650
最大上模重量 (空气压5kg/cm ²)	Maximum counterbalancer capacity	kg	1000	1200	800	800	1500	1500	1500	1500	1500	1500	1500	1500
滑块调整量	Slide adjustment	mm	100	150	100	150	150	150	150	150	150	150	150	150
上工作台尺寸	Slide area	mm	900x800	900x800	1000x900	1300x1200	1400x1200	1500x1200						
下工作台尺寸	Bolster area	mm	1000x900	1000x900	1100x1000	1400x1200	1500x1200	1600x1200						
台盘厚度	Bolster thickness	mm	170	170	180	180	200	200	200	200	220	220	240	240
侧向开口	Side opening	mm	400x400	400x400	400x400	400x400	400x500	400x500	400x500	400x500	500x650	500x650	500x650	500x650
工作面高度	Height of the top surface of bed from floor level	mm	850	850	850	850	850	850	1090	1090	1200	1200	1350	1350
工作能量	Work energy	kgxM	800	1500	1000	2000	3000	2500	3600	2800	7000	3800	5000	8000
主电动机	Main Motor	Hp xp	18.5x4		22x4		30x4		37x4		45x4		55x4	
滑块调整电机	Slide adjusting moter	kw xp	0.75x4		1.5x4		1.5x4		2.2x4		3x4		3x4	
使用空气压力	Air pressure	kg/cm ²	6		6		6		6		6		6	
台身结构	Frame structure		一体式 one piece frame						三体式 tie rod type					
冲床精度	Presses precision		GB(JIS)1class 一级											

SINGLE-CRANK PRECISION PRESS

APF系列单曲柄精密冲床

- Mix European, American, and Japanese advanced technologies/functional structure CAE dynamic simulation optimization design
- High-rigidity lathe bed high-quality steel profiling welding or in-block casting part tempering/vibration stress processing
- 融合欧美、日本先进技术/机能结构CAE动态仿真优化设计
- 高刚性床身优质钢仿形焊制或整体铸造件回火/振动应力处理



110~600Tons

APF SERIES

- High-standard fabrication processing of such key parts as gears and bent axles through hard chrome plating/nitriding/grinding
- Such high-level configurations as high-performance controllers/drive parts/electromagnetic clutches/steam-driven elements and bearings
- 齿轮、曲轴等主关零部件经镀铬/氮化/研磨高标准工艺处理
- 高性能控制器/驱动部件/电磁离合器/汽动元件、轴承等高端配置



Performance feature 性能特点

- Technical grade of international stamping equipment and inspection of machine index
- High-response multi-functional superposition expansion/high-quality industrial control processor
- High-memory module/individual design franchised software compilation
- High-compatibility multi-axial variable speed drive/automation equipment onboard expansion
- High-intelligent human-computer interface/high-frequency real-time control/Ethernet & USB interface
- 国际冲压设备技术等级，机器指标的测验
- 高响应多功能叠加扩容/高品质工控处理器
- 高内存级模块/个性设计特许软件编制
- 高兼容多轴向变速驱动/自动化装备线机载扩展
- 高智能人机界面/高频响实时控制/以太网&USB端口

Standard configuration 标准配置

- > 油压过负荷保护装置
- > 电动滑块调整装置
- > 数字式模高指示器(单位:0.1mm)
- > 滑块模具平衡装置
- > 旋转凸轮开关
- > 曲轴角度指示器
- > 电动式黄油润滑装置
- > 电磁式行程计数器
- > 二度落保护装置
- > 可编程器
- > 移动式T型操作台
- > 空气源接头
- > 独立式电气控制箱
- > 维护工具及工具箱
- > Hydraulic overload protector
- > Electric slider adjusting device
- > Digital moulding-height indicator (unit: 0.1 mm)
- > Slider and mould balancing device
- > Rotary cam switch
- > Crank angle indicator
- > Electrical automatic lubrication system
- > Electromagnetic journey counter
- > Over-run safety device
- > Programmable controller
- > Mobile T-type operating floor
- > Air source connector
- > Independence electric control cabinet
- > Maintenance tool and tool box

Optional configuration 选择配置

- > 模垫
- > 滑块上部顶料装置
- > 模具照明灯
- > 主马达逆转装置
- > 光电安全装置
- > 安全槽块及安全插销
- > 预调计数器(6位数)
- > 荷重检知装置
- > 误送检知装置
- > 变频器
- > 基础螺丝及基础板
- > 防震装置
- > 安全架及安全梯
- > 电源插座
- > 快速换模装置
- > Die cushion
- > Upper slider feeding device
- > Mould lamp
- > Main motor inversion device
- > Photo-electric safety device
- > Safety groove and safety pin
- > Pre-determined counter (6 digits)
- > Loading inspection device
- > Misfeed detection consent
- > Frequency converter
- > Basic bolt and soleplate
- > Anti-vibration foot
- > Safety shelf and safety ladder
- > Pwoer socket
- > Quick die change device

Technical parameters 技术参数

名称	Name	单位	APF-110	APF-160	APF-200	APF-260	APF-300	APF-400	APF-500	APF-600						
型式	Model		V H	V H	V H	V H	V H	V H	V H	V						
吨数	Capacity	ton	110	160	200	260	300	400	500	600						
冲力发生位置	Rated tonnage point	mm	6 3	6 3	6 3	7 3.5	7 3.5	7 3	10	13						
行程长	Stroke	mm	180 80	200 90	200 100	250 150	300 170	300 200	250	250						
行程数	Speed changing	s.p.m	30~60	60~90	20~50	40~70	20~50	50~70	20~40	40~50	20~40	35~50	15~25	20~35	20~30	15~20
	Stable speed	s.p.m	50	35	35	30	30	20	20	20	20					
最大装模高度	Max.die hight	mm	360 410	460 510	460 510	500 550	550 615	550 600	550	550						
滑块调整量	Slide adjustment	mm	80	100	110	120	120	120	120	120						
上工作台尺寸	Slide area	mm	900x550x70	1000x600x90	1100x650x90	1200x700x100	1300x800x110	1400x900x110	1400x1000x110	1500x1200x110						
下工作台尺寸	Bolster area	mm	1100x600x110	1200x800x140	1300x820x160	1400x840x180	1500x950x200	1600x1000x200	1600x1000x220	1700x1300x240						
侧向开口	Side opening	mm	700x500	800x600	800x600	800x600	900x600	1000x750	1000x800	1000x900						
主电动机	Main moter	kwxp	11x4	15x4	18.5x4	22x4	30x4	37x4	45x4	55x4						
滑块调整电机	Slide adjusting moter	kwxp	0.4x4	0.75x4	0.75x4	1.5x4	1.5x4	2.2x4	3x4	3x4						
使用空气压力	Air pressure	kg/cm ²	6	6	6	6	6	6	6	6						
冲床精度	Presses precision		GB(JIS)1class一级													

SINGLE CRANK POST GUIDER PRESS

EDS系列单曲轴导柱式钢架冲床



25~260Tons

EDS SERIES

- 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.
- 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。



Performance feature 性能特点

- 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.
- 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, 低消耗, 节省能源。

Standard configuration 标准配置

- > 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
- > 触摸屏(预断、预裁、统计数)
- > 滑块及模具平衡装置
- > 误送检测装置
- > 电源插座
- > 曲轴角度指示器
- > 计数器
- > 空气源接头
- > 二度落保护装置
- > Inverter
- > Hydraulic overload protector
- > Electrical automatic lubrication system
- > Electric slider adjusting device
- > Touch screen (pre-judge, pre-cut, and total count)
- > Slider and mould balancing device
- > Misfeed detection consent
- > Power socket
- > Crank angle indicator
- > Counter
- > Air source connector
- > Over-run safety device

Optional configuration 选择配置

- > 湿式离合器
- > 气压模垫装置
- > 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)
- > 模具照明装置
- > Wet clutch
- > Air die cushion device
- > Foot switch
- > Quick die change device(Die lifter, die clamper, or mould-shift arm)
- > Feeding device on the slider
- > Anti-vibration foot
- > Photo-electric safety device
- > Feeder (air, machinery, and NC)
- > Die lighting device

Technical parameters 技术参数

名称	Name	单位	EDS-25	EDS-35	EDS-45	EDS-60	EDS-80	EDS-110	EDS-160	EDS-200	EDS-260
型式	Model		V H	V H	V H	V H	V H	V H	V H	V H	V H
吨数	Capacity	ton	25	35	45	60	80	110	160	200	260
冲力发生位置	Rated tonnage point	mm	6 3	6 3	6 3	6 3	6 3	6 3	6 3	6 3	6 3
每分钟行程数	Speed changing	s.p.m	75-150 150-250	60-120 120-240	50-100 100-200	42-85 75-150	37-75 55-110	32-65 50-100	27-55 40-85	20-50 35-70	20-40 40-60
	Stable speed	s.p.m	125	100	80	70	60	50	45	40	30
行程	Stroke	mm	80 30	80 40	100 50	120 90	130 100	150 110	200 130	250 160	250 180
最大装模高度	Max.die hight	mm	200 225	210 230	250 275	300 315	320 335	350 370	420 455	450 495	500 535
滑块调整量	Slide adjustment	mm	50	55	60	70	80	100	100	120	120
上工作台尺寸	Slide area	mm	300 x 230	350 x 300	400 x 350	500 x 400	550 x 450	620 x 530	700 x 550	850 x 650	950 x 700
下工作台尺寸	Bolster area	mm	750 x 300 x 70	800 x 400 x 85	900 x 450 x 110	900 x 550 x 130	1000 x 600 x 140	1150 x 680 x 150	1250 x 760 x 160	1450 x 840 x 180	1500 x 840 x 190
模柄孔	Shank hole	mm	Ø38	Ø38	Ø38	Ø50	Ø50	Ø50	Ø65	Ø65	Ø65
主电动机	Main motor	kw.p	2.2 x 4	2.2 x 4	3.7 x 4	5.5 x 4	7.5 x 4	11 x 4	15 x 4	18.5 x 4	22 x 4
滑块调整机构	Slide adjust device	kw.p	0.2 x 4	0.2 x 5	0.2 x 4	0.4 x 4	0.4 x 4	0.4 x 4	0.75 x 4	0.75 x 4	1.5 x 4
使用空气压力	Air pressure	kg/cm ²	6	6	6	6	6	6	6	6	6
冲床精度	Presses precision		GB(JIS)1class一级								
模垫	Die cushion										
型式	Model		-	-	S-240-50	S-240-50	S-300-70	S-350-80	S-400-80	S-400-100	S-550-100
模垫能力	Die cushion capacity	ton	-	-	2.3	2.3	3.6	4.7	6.3	6.3	11.7
模垫行程长	Stroke	mm	-	-	50	50	70	80	80	100	100
模垫有效面积	Die cushion effective area	mm ²	-	-	300 x 230	300 x 230	350 x 300	450 x 300	500 x 350	640 x 420	700 x 470

STROKE ADJUSTABLE STRONG STEEL FRAME PRESS

EDL系列行程可调强力钢架冲床



60~260Tons

EDL SERIES

- The precision of mold adjusting up to 0.1mm, safety, reliable and convenient.
- Crank, gear connect bar are oxidized hardening and milled, having super comprehensive mechanical performance and durable function.
- 调模精密高达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。

- Used reliable high sensitive clutch/brake and international up-to-date twin electromagnetic valve, overloading protector can guarantee the precision of slider running and stop and safe production of the machine.
- 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。

Performance feature 性能特点

- Reasonable structural design, is benefit for automation production and reduce cost ,improve efficiency.
- Advanced design principle, low noise, low consumption, low cost , save energy.
- With high rigidity design in machine frame , the machine body is welded of quality steel sheet and treated by tension elimination, improve stability and reliability of precision of the machine.
- Keep the transmission center and machine center in uniformity, guarantee the precision of pressing.
- In order to guarantee the machine running in stable and smooth, adopts the design of symmetrical boards with balancer.
- Six-speed adjustable ram stroke, suitable for a variety of different molds Die height use.
- 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, 低消耗, 节省能源。
- 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。
- 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, 采用对称两只平衡器装置设计方式。
- 滑块行程6档可调, 适合多种不同装模高度的模具使用

Standard configuration 标准配置

- > 变频器
- > 油压式过载保护装置
- > 电动式黄油润滑装置
- > 手动式滑块调整装置 (60Tons及以下)
- > 电动式滑块调整装置 (80Tons及以上)
- > 机械式模高指示器 (60Tons及以下)
- > 电动式模高指示器 (60Tons及以上)
- > 滑块及模具平衡装置
- > 旋转凸轮开关
- > 误送检测装置
- > 电源插座
- > 曲轴角度指示器
- > 计数器
- > 空气源接头
- > 二度落保护装置
- > 喷风装置
- > 维护工具及工具箱
- > 使用说明书
- > Inverter
- > Hydraulic over-load protector
- > Electrical automatic lubrication system
- > Manual slide adjust device (60Tons and below)
- > Slide adjust device(80Tons and above)
- > Automatic die height indicator (60Tons and below)
- > Die height indicator(60Tons and above)
- > Balance device
- > Rotary cam switch
- > Misfeed detection consent
- > Power supply
- > Crank angle indicator
- > Electrical stroke counter
- > Air source receptacle
- > Against over-run safety device
- > Air ejector
- > Maintenance tool box
- > Operation manual

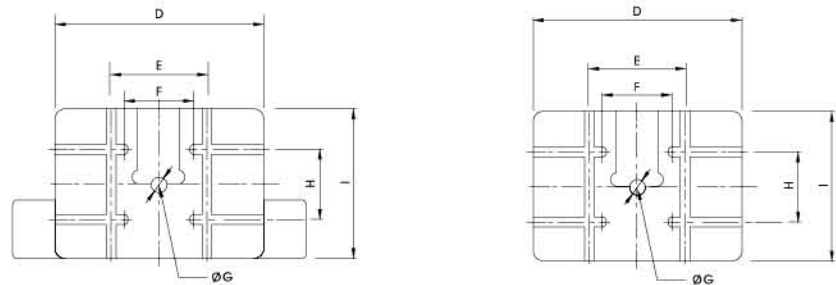
Optional configuration 选择配置

- > 湿式离合器
- > 气压模垫装置
- > 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
- > 触摸屏(预断、预裁、总计数)
- > PAC100控制系统
- > 人机控制系统
- > High performance wet clutch & brake
- > Pneumatic die cushion device
- > Foot switch
- > Quick die change device(die lifter, clamp and die arm sepjes)
- > Slide knock-out device
- > Anti-vibration press mount
- > Photo-electronic safety device
- > Feeder
- > Uncoiler
- > Leveler
- > Mechanism hand
- > Die room light
- > Touch pad(preset, total counter)
- > PAC 100 counter system
- > Human-computer counter system

Technical parameters 技术参数

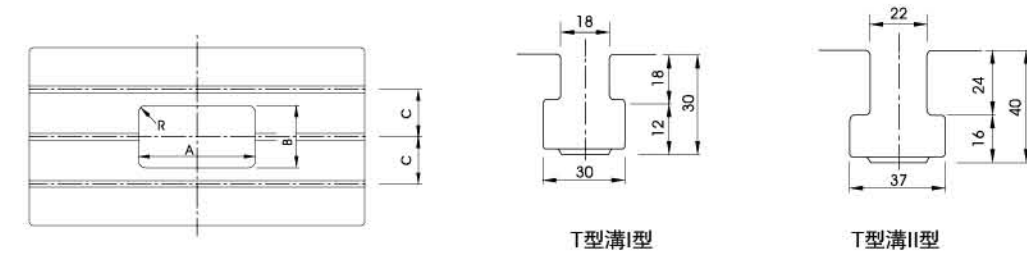
名称	Name	单位	EDL-60	EDL-80	EDL-110	EDL-160	EDL-200	EDL-260
吨数	Capacity	ton	60	80	110	160	200	260
冲力发生位置	Rated tonnage point	mm	4	4	6	6	6	7
每分钟行程数	变速	s.p.m	35-90	35-80	30-60	20-50	20-50	20-40
	定速	s.p.m	65	65	50	35	35	30
行程	Stroke	mm	20-100	25-120	25-160	30-180	30-180	40-200
最大装模高度	MAX.die hight	mm	310	340	370	470	470	520
滑块调整量	Slide adjustment	mm	75	80	80	100	110	120
上工作台尺寸	Slide area	mm	500×360×70	560×420×70	650×470×80	700×550×90	850×630×90	950×700×100
下工作台尺寸	Bolster area	mm	900×500×80	1000×550×90	1150×600×110	1250×800×140	1400×820×160	1500×840×180
模柄孔	Shank hole	mm	Ø50	Ø50	Ø50	Ø65	Ø65	Ø65
主电动机	Main motor	kw.p	5.5×4	7.5×4	11×4	15×4	18.5×4	22×4
滑块调整机构	Slide adjust device		手动 Manual operation			电动 Electrical driving		
使用空气压力	Air pressure	kg/cm ²	6	6	6	6	6	6
冲床精度	Presses precision		GB(JIS)1class 一级	GB(JIS)1class 一级	GB(JIS)1class 一级	GB(JIS)1class 一级	GB(JIS)1class 一级	GB(JIS)1class 一级
冲床(长×宽×高)	Presses dimension	mm	1595×1000×2800	1800×1100×2800	1900×1300×3200	2420×1390×3465	2615×1690×4075	2780×1850×4470
冲床重量	Presses weight	tons	5.6	6.5	9.6	16	23	32
模垫能力	Die cushion capacity	ton	3.6	3.6	6.3	10	14	14
模垫行程长	Stroke	mm	70	70	80	80	100	100
模垫有效面积	Die cushion effective area	mm ²	350×300	450×310	500×350	650×420	710×480	810×480

Slide 上工作台

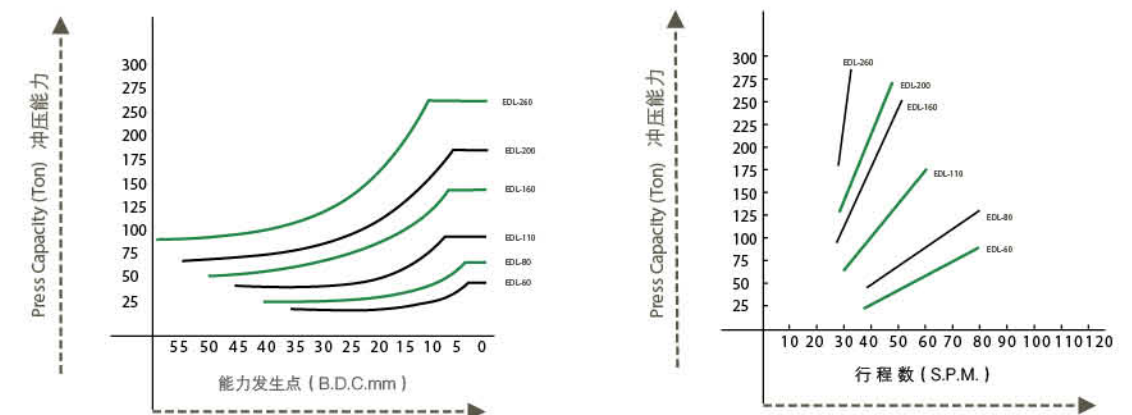


Model	A	B	C	D	E	F	G	H	I	T型沟
EDL-60	320	160	150	500	220	220	Ø 50	160	360	II
EDL-80	360	180	150	560	300	220	Ø 50	180	420	II
EDL-110	400	200	160	650	300	220	Ø 50	220	470	II
EDL-160	440	220	220	700	300	175	Ø 50	220	550	II
EDL-200	480	240	280	850	420	200	Ø 50	300	630	II
EDL-260	520	260	290	950	420	200	Ø 50	300	700	II

Bolster 下工作台



Capacity curve chart 能力曲线图



HIGH-SPEED PRECISION PUNCH

APB系列高速精密冲床

- Body adopts integrated special cast iron alloy, with relieving of internal stress through technology for heating processing, to ensure high precision, high rigidity, and anti-vibration.
- Sliders are designed in length, so as to guarantee operation precision and stability.
- 机身采用一体化的特殊铸铁合金，并经热处理工艺，消除内应力，确保高精度、高刚性及抗震性。
- 滑块以长型导路设计，确保运转精密与稳定。



25~45Tons

APB SERIES

- Machine operation drive disk assembly adopts centralized detection and automatic forced lubrication systematic design, so as to realize real-time control and self-protection function.
- 机器运行传动部件采用集中式检测，自动强制润滑系统设计，可实现实时控制，自我保护功能。



Performance feature 性能特点

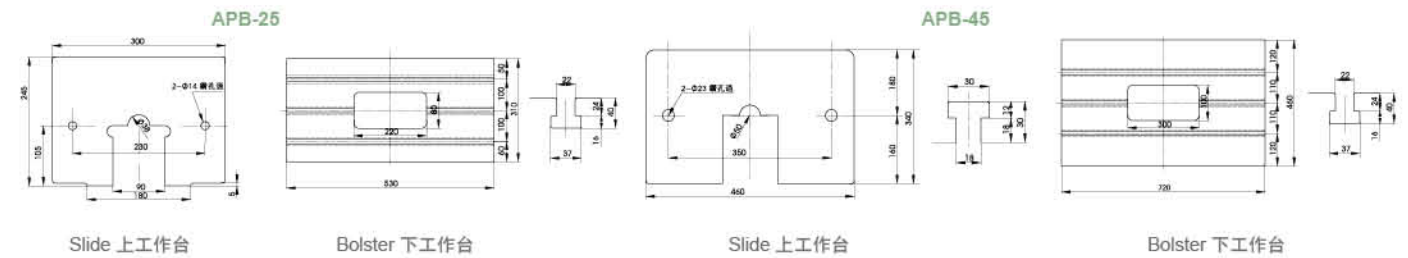
- Adopt highly sensitive and reliable clutch/brake and internationally top duplex magnetic valve, to guarantee precision and safety for operation and stop of press rams.
- Thorough electric loop design meets European standard.
- Machine's structural design shall be reasonable, for the convenience of realizing automatic production, reducing cost, and improving efficiency.
- 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确保压力机滑块运行及停止的精确性与安全性。
- 周密型之电气回路设计，符合欧洲标准。
- 机器结构设计合理，可实现自动化生产，降低成本，提高效率。

Standard configuration 标准配置

- 卡模解脱装置
- Sticking release device
- 喷风装置
- Air-blast device
- 电动循环润滑给油装置
- Automatically-recirculating lubrication device
- 手动式滑块调整装置
- Manual slider adjusting device
- 计数器
- Counter
- 可编程控制器
- Programmable logical controller
- 滑块及模具平衡装置
- Slider and mould balancing device
- 旋转凸轮开关
- Rotary cam switch
- 曲轴角度指示器
- Crank angle indicator
- 空气源接头
- Air source connector

Optional configuration 选择配置

- 防震脚
- Anti-vibration foot
- 变频器
- Frequency converter
- 模具照明装置
- Die lighting device
- 预裁计数器
- Preset counter
- 送料机
- Feeder
- 误送检测装置
- Misfeed detection consent
- 电子凸轮显示器
- Electronic cam display
- PAC100控制系统
- PAC100 control system
- 人机控制系统
- Man-machine control system



Technical parameters 技术参数

名称	Name	单位	APB-25	APB-45
吨数	Capacity	ton	25	45
行程	Stroke	mm	30	30
最大装模高度	Max.die hight	mm	200	240
每分钟行程数	Speed changing	s.p.m	200-400	200-400
滑块调整行程	Slide hight adjustment	mm	50	75
上工作台尺寸	Slide area	mm	300x245x50	460x340x70
下工作台尺寸	Bolster area	mm	520x310x70	720x460x80
机架盘开口	Bed opening (LRxFB)	mm	300x160	360x200
主电动机	Main motor	kwxp	2.2x4	5.5x4
最大上模重量	Max.weight of upper die	kg	30	150
冲床(长x宽x高)	Presses dimension	mm	1100x760x1800	1700x1000x2400
冲床重量	Presses weight	ton	1.8	3.7
冲床精度	Presses precision		GB(JIS)1class一级	GB(JIS)1class一级

HIGH-SPEED PRECISION PUNCH

API系列高速精密冲床

- Adopt integrated high-strength casting machine, with stress relief, to guarantee long-term precision.
- Three-circle guide pillar slider structure, adopting alloy steel bush and forced lubrication, so that thermal change can fall to the minimum while precision may reach to the maximum.
- 采用一体化的高强度铸件机器，经应力消除，确保长期精度。
- 三圆导柱滑块结构，采用合金钢衬套，配合强制润滑，使热变降至最小而精度达到最高。

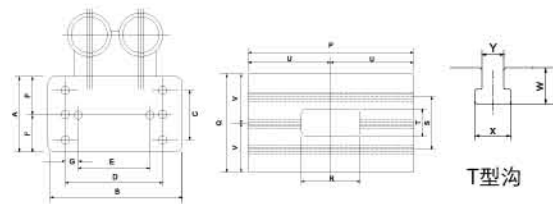


25~60Tons

API SERIES

- Dynamic equilibrium system is used to balance bent axles and vibration generated when slider runs up and to control stability of bottom dead center.
- Manual moulding-height adjustment is equipped with moulding-height indicator and oil-pressure clamping device.
- 动态平衡系统，以平衡曲轴，滑块高速运转时产生的震动，控制下死点稳定性。
- 手动式模高调整，配有模高指示器及油压锁模装置性。

Slide bolster 上(下)工作台



Performance feature 性能特点

- Human-computer interface (electronic cam + rotary encoder) operation is convenient and accurate.
- Operating functions are integrated on LCD, displaying engine base's malfunction contents automatically.
- Adopt highly sensitive and reliable clutch/brake and internationally top duplex magnetic valve, to guarantee precision and safety for operation and stop of press rams.
- With thorough electric loop design, they can be matched with various automatic devices, to conduct automatic production, to reduce cost, and to improve efficiency.
- 人机界面（电子凸轮+旋转编码器）操作方便准确。
- 操作功能集成于液晶显示屏，机座故障内容自动显示。
- 离合器/刹车器装置高度灵敏，国际顶尖单联电磁阀，确保冲床滑块运转及停止精确性和安全性。
- 周密型之电气回路设计，可搭配各种自动化设备，进行自动化生产，降低成本，提高效率。

Standard configuration 标准配置

- | | | | |
|-----------------------|--------------|--|--------------------------------------|
| > 顶点停止 | > 卡模解脱装置 | > Top stop | > Air source connector |
| > 手动滑块调整装置 | > 主电机（可调速） | > Manual slider adjusting device | > Sticking release device |
| > 模高指示器 | > 油压锁模 | > Moulding-height indicator | > Main motor (adjustable speed) |
| > 变频器 | > 机械式曲轴角度指示器 | > Frequency converter | > Oil-pressure mode locking |
| > 可编程序控制PLC | > 强制循环油装置 | > Programmable control (PLC) | > Mechanical crank angle indicator |
| > 触摸屏（预断、预载、角度指示、总计数） | > 工具箱 | > Touch screen (pre-judge, pre-cut, and total count) | > Forced circulation oil device |
| > 编码器（电子）预留2组 | > 操作说明书 | > Encoder (electronic) reserved (2 groups) | > Tool box |
| > 机台前操作盒 | > 电源插座 | > Drilling crew operation box | > Operating manual |
| > 空气源快速接头 | > 独立式电气箱 | | > Pwoer socket |
| | | | > Indepence electric control cabinet |

Optional configuration 选择配置

- | | | | |
|-----------|----------|-----------------------------------|-------------------------------|
| > 防震脚 | > 下死点检出器 | > Anti-vibration foot | > Bottom dead center detector |
| > 送料机 | > 油冷却机 | > Feeder | > Oil cooler |
| > 料架 | > 模具灯 | > Feeding rack | > Mould light |
| > 材料油润滑装置 | > 喷风装置 | > Material oil lubricating device | > Air-blast device |

Model	A	B	C	D	E	F	G	P	Q	R	S	T	U	V	W	X	Y
API-25	205	300	150	212	190	102.5	25	600	300	200	180	100	300	150	30	30	18
API-45	320	420	150	340	260	160	40	700	415	240	240	120	350	205	40	37	22
API-60	340	550	240	360	300	170	40	840	470	320	270	160	420	235	40	37	22

Technical parameters 技术参数

名称	Name	单位	API-25		API-45		API-60	
型式	Model		A	B	A	B	A	B
吨数	Capacity	ton	25		45		60	
行程	Stroke	mm	30		30		30	
每分钟行程数	Speed changing	s.p.m	200-600	200-800	200-500	200-700	200-400	200-600
闭合高度	Max.die hight	mm	210		230		305	
上工作台尺寸	Slide area	mm	300x205		420x320		550x340	
下工作台尺寸	Bolster area	mm	600x300x80		700x415x100		840x470x105	
滑块调整量	Slide adjustment	mm	30		30		30	
落料孔	Bed opening	mm	200x100		240x120		320x160	
主电动机	Main motor	kwxp	3.7		5.5		7.5	
冲床重量	Presses weight	ton	3		4.5		8	
循环系统	Lubrication		Forceful Autom ation		Forceful Autom ation		Forceful Autom ation	
变速系统	Speed control		Inverter		Inverter		Inverter	
离合器及刹车	Clutch & brake		Air & Friction		Air & Friction		Air & Friction	
顶点停止	Auto top stop		Standard		Standard		Standard	
避震系统	Vlibration system		Optional		Optional		Optional	

HIGH-SPEED PRECISION AUTOMATIC PUNCH

APL系列高速精密自动冲床

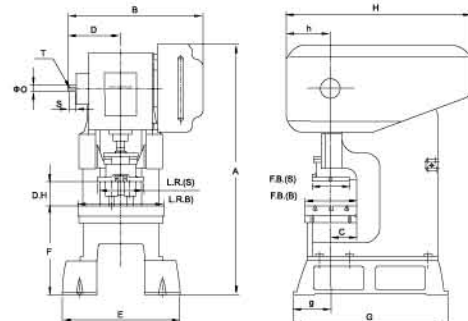
- Apply to precision electronic component punch in large quantity
- Enhance life of punch and mould under power balance device
- 适合精密量大之电子零组件冲床。
- 在动力平衡装置下，增进冲床及模具寿命。



25~65Tons

APL SERIES

- Oil-ressure slider fixed locking and sticking release device can increase reliability.
- Cylinder connecting-rod driving device can enhance stability of punch's operation and precision.
- 油压式滑块固锁及卡模解脱装置，增加可靠性。
- 导筒式连杆驱动装置，提升冲床的运转及精度的稳定性。



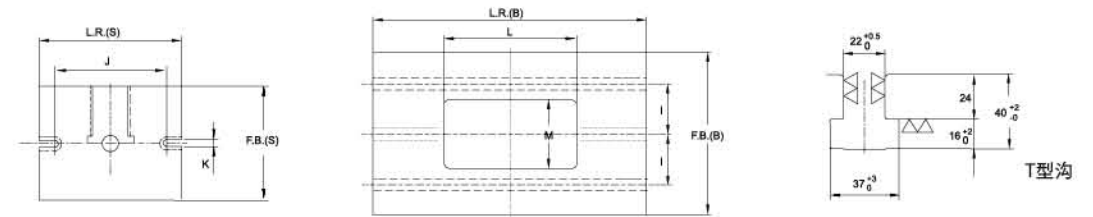
Standard configuration 标准配置

- | | | | |
|-------------|---------------|-------------------------------------|------------------------------------|
| > 顶点停止 | > 机台前操作盒 | > Top stop | > Drilling crew operation box |
| > 变速马达 | > 强制循环油装置 | > Variable-speed motor | > Forced circulation oil device |
| > 油压锁冲头 | > 机械式曲轴角度指示器 | > Hydraulic lock punch | > Mechanical crank angle indicator |
| > 滑块及模具平衡装置 | > 误送检知回路及接头2组 | > Slider and mould balancing device | > Miss-feed plug/socket(2 sets) |
| > 模高指示器 | > 空气源快速接头 | > Digital moulding-height indicator | > Air source connector |
| > 滑块调整装置 | > 操作说明书 | > Slider adjusting devic | > Operating manual |
| > 微电脑操控电器箱 | > 工具箱 | > Mancine side operation box | > Tool box |

Optional configuration 选择配置

- | | | | |
|-----------|----------|-----------------------------------|------------------------------|
| > 避震器 | > 下死点检出器 | > Level pad | > Ottom dead center detector |
| > 材料油润滑装置 | > 快速换模装置 | > Material oil lubricating device | > Quick die change device |

Slide Bolster (下) 工作台



Model	A	B	C	D	E	F	G/g	H/h	I	KxJ	LxM	O	T(Wxdxs)
APL-25	2040	1067	195	416	860	835	1170/360	1354/353	100	14x200	260x120	Ø60x95L	15x5x66
APL-45	2300	1214	225	496	1100	850	1555/400	1747/403	120	18x180	400x180	Ø60x95L	15x5x66
APL-65	2538	1358	260	530	1180	900	1555/380	1850/443	160	23x360	420x220	Ø60x90L	15x5x88

Technical parameters 技术参数

名称	Name	单位	APL-25			APL-45			APL-65				
			A	B	C	A	B	C	A	B	C		
型式	Model												
吨数	Capacity	ton	25			45			65				
冲力发生位置	Rated tonnage point	mm	1.2			1.2			1.6				
行程	Stroke	mm	20	30	40	20	30	40	20	30	40		
每分钟行程数	Stroke per minute	s.p.m	100-600	100-500	100-400	100-500	100-400	100-300	200-400	100-350	100-300		
最大装模高度	Max.die hight	mm	225	220	215	265	260	255	305	300	295		
滑块调整量	Slide adjustment	mm	30			30			50				
上工作台尺寸	Slide area	mm	280x250			380x320			460x370				
下工作台尺寸	Bolster area	mm	650x390x75			760x450x90			860x520x100				
主电动机	Main motor	kwxp	3.7x4			5.5x4			7.5x4				
滑块锁模孔	Shank hole	mm	Ø38.1			Ø50			Ø50				
台身板孔尺寸	Hole of bed(L.R.xF.B.)	mm	270x150			400x200			480x260				
润滑装置	Lubrication system		强制循环自动给油						Forced recirculating lubrication				

RIGHT-CYLINDER DOUBLE BENT AXLE FORCED PUNCH

STD系列直柱型双曲轴强力冲床



400~1200Tons
STD SERIES

- Octahedral guiding of slider and long guide rail can guarantee operation precision;
- Hydraulic overload protection device and overload automatic emergency cut-off can protect safety of press machines and moulds, with convenient application;
- 滑块八面导向，导轨长，保证运行精度；
- 液压过载保护装置，过载自动紧急停车，保护压力机和模具安全，使用方便；



Performance feature 性能特点

- PLC electric interlocking control possesses sudden-stop, inch, single-pass, and continuous operation specifications;
- Dry pneumatic friction clutch is small in noise, large in clutching torque, small in braking angle, and convenient in maintenance;
- Body is closed structure, including beams, stand columns, and bases, which is strained with four tie bolts, with good rigidity (400-1200)
- PLC电气集中控制，具有急停、寸动、单次、连续操作规范；
- 干式气动摩擦离合器，噪音小，离合扭矩大，制动角度小，维护方便；
- 机身横梁、立柱、底座分体闭式结构，用四根拉紧螺杆拉紧，刚性(400~1200)

Standard configuration 标准配置

- | | | | |
|-------------------|----------------|---|---|
| > 油压式过载保护装置 | > 二度落保护装置 | > Hydraulic overload protector | > Power socket |
| > 电动式滑块调整装置 | > 误送检测装置 | > Electric slider adjusting device | > Over-run safety device |
| > 独立式控制箱 | > 预调计数器6位数 | > Independence electrical control cabinet | > Misfeed detection consent |
| > 移动式操作台 | > 喷风装置1/2"一回路 | > Movable working table | > Pre-determined counter (6 digits) |
| > 数字式模高指示器(0.1MM) | > 空气源接头1/2"二回路 | > Digital moulding-height indicator (unit: 0.1 mm) | > Air-blast device 1/2" primary circuit |
| > 循环集中式润滑给油装置 | > 变频器 | > Circulation centralization lubrication oil feeding device | > Air source connector 1/2" secondary circuit |
| > 电源插座 | | | > Frequency converter |

Optional configuration 选择配置

- | | | | |
|-------------|----------|-----------------------------------|----------------------------|
| > 模垫装置 | > 模具照明灯 | > Die backer device | > Mould lamp |
| > 光电安全装置 | > 快速换模装置 | > Photo-electric safety device | > Quick die change device |
| > 滑块上部打料装置 | > 移动式台车 | > Feeding device on the slider | > Movable working table |
| > 安全挡块及安全插销 | > 自动送料系统 | > Safety dog and safety latch | > Automatic feeding system |
| > 防震装置 | | > Anti-vibration footstand device | |

Technical parameters 技术参数

名称	Name	单位	STD-400		STD-500		STD-600		STD-800		STD-1000		STD-1200	
型式	Model		S	H	S	H	S	H	S	H	S	H	S	H
吨数	Capacity	ton	400		500		600		800		1000		1200	
冲力发生位置	Rated tonnage point	mm	13	7	13	7	13	9	13	9	13	9	13	9
行程	Stroke	mm	400	300	400	300	400	300	400	300	400	300	400	300
每分钟行程数	Speed changing	s.p.m	15-25	35-40	15-25	25-40	15-25	20-30	15-25	20-30	15-25	20-30	18-25	20-30
最大装模高度	Max.die hight	mm	600	650	650	700	650	700	700	750	1000	1050	1000	1050
滑块调整量	Slide adjustment	mm	150		200		200		250		250		250	
上工作台尺寸	Slide area	mm	2800x1300		3100x1400		3600x1400		3800x1600		4600x1800		5000x1800	
下工作台尺寸	Bolster area	mm	2800x1400		3100x1500		3600x1500		3800x1600		4600x1800		5000x1800	
侧面开口	Side opening	mm	850x600		950x650		1000x700		1100x800		1200x900		1200x900	
模垫能力	Die cushion capacity	ton	60		70		80		80		80		80	

STRAIGHT-SIDE TWO POINT PRESS

S2系列闭式双点压力机

- base column crossbeam and slide all use steel structure. Tighten together with tension bolts
- 底座、立柱、横梁、滑块采用全钢结构，用拉紧螺栓液压预紧在一起；



400~1600Tons

S2 SERIES

- The transmission adopts three - stage transmission, one stage belt drive, two - stage gear transmission. High speed stage double helical gear
- The connecting rod is connected with the slide block by the guide pillar guide sleeve structure. Eight extra long guide rail.
- 传动采用三级传动，一级皮带传动，两级齿轮传动。高速级采用人字齿轮；
- 连杆与滑块连接采用导柱导套结构，八面超长导轨导向；



Performance feature 性能特点

- The clutch brake adopts a low inertia pneumatic clutch brake, which is controlled by a double safety valve.
- The hydraulic pressure overload protection device is adopted for the slide block.
- The height of the mold is adjusted by the digital display
- The method of thin oil circulating lubrication and concentrated oil clearance lubrication. With high and low level detection, high pressure detection, timing, fixed-point, quantitative lubrication.
- Hydraulic, pneumatic, electrical control components using high-quality brand-name products
- Electrical use PLC dual loop control
- With oil pressure, oil level, fault detection, a variety of action chains.
- Finite element analysis of key components.
- Optional before or after the moving side of the bolster, air cushion, special vibration isolator, quick die changing device, photoelectric protection device, rigid material and so on.
- 离合器制动器采用低惯量气动离合器制动器，进口双联安全阀控制；
- 滑块采用液压过载保护装置，进口泵阀控制；
- 装模高度机动调节，数字显示；
- 采用稀油循环润滑与浓油间隙润滑方式，带高低油位检测，高油压检测，定时、定点、定量润滑；
- 液压、气动、电气控制元件采用优质名牌产品；
- 电气采用PLC双回路控制；
- 带油压、油位、故障检测，各种动作连锁；
- 关键零件采用有限元分析；
- 可选配前后或侧移动工作台、气垫、专用隔振器、快速换模装置、光电保护、刚性打料等；

Standard configuration 标准配置

- | | | |
|---|-------------------------------------|------------------------------------|
| > 油压式过载保护装置 | > 维修文字知识功能 | > 预载计数器 |
| > 电动式自动润滑装置 | > 空气源插座 | > 预调计数器 |
| > 电动式滑块调整装置 | > 空气吹料装置 | > 电源插座 |
| > 电动式模高指示器 | > 二度落保护装置 | > 独立式控制箱 |
| > 滑块及模具平衡装置 | > 变频调速马达 | > T型移动式操作台 |
| > 电子凸轮控制显示器 | > 误送检知装置 | > 基础板和螺栓 |
| > 离刹性能读出监控装置 | > 主马达逆转装置 | > 维护工具及工具箱 |
| > 静态SPM显示功能 | > 电子式行程计算器 | > 使用说明书 |
| > Hydraulic overload protection device | > I repair instructions function | > Pre cut counter |
| > Electric automatic lubricating device | > When the air source socket | > Preset counter |
| > Electric slide adjusting device | > The air blowing device | > One power socket |
| > Electric die height indicator | > Two degree drop protection device | > Independent control box |
| > I slide and die balancing device | > The frequency control motor | > T mobile operating platform |
| > Electronic cam control display | > My fault detecting device | > When the base plate and the bolt |
| > I read from the brake performance monitoring device | > When the base plate and the bolt | > Maintenance tool box |
| > Static SPM display function | > When the electronic trip counter | > Operating instructions |

Optional configuration 选择配置

- | | | |
|--|-----------------------------------|---|
| > 气压式模垫顶料装置 | > 下死点检知器 | > 移动工作台 |
| > 光电式安全装置 | > 脚踏操作开关 | > 举模器、夹模器或移模器 |
| > 滑块上部顶料装置 | > 飞轮刹车装置 | > 自动送料系统 |
| > 模具照明装置 | > 安全挡块插销 | > 防震垫脚 |
| > Pneumatic die cushion lifting device | > I know death under inspection | > Moving table |
| > A photoelectric safety device | > When the pedal operation switch | > I lift the mold, clamps the mold or die arm |
| > When the slider lifting device | > The flywheel brake device | > Automatic feeding system |
| > I die lighting device | > Safety block bolt | > Stepping shock |

Technical parameters 技术参数

项目名称			Item	单位	S2-400	S2-500	S2-630	S2-800	S2-1000	S2-1250	S2-1600
公称力			Nominal pressrue	kN	4000	5000	6300	8000	10000	1250	16000
公称力行程			Nominal pressrue stroke	mm	13	13	13	13	13	13	13
滑块行程			Slide stroke	mm	400	500	500	500	600	600	600
滑块行程次数			No of strokes per minute	s.p.m	12-18	10-16	10-16	10-16	10-16	10-16	10-16
最大装模高度			Max.die height	mm	800	800	1000	1000	1100	1100	1100
装模高度调节量			Die height adjustment	mm	350	350	500	500	500	600	600
导轨间距离			Distance between slide rails	mm	2870	3160	3670	4060	4070	4080	4580
工作台板尺寸	前后	F.B	Bolster dimension	mm	1600	1600	1600	1800	1800	1800	1800
	左右	L.R		mm	2800	3000	3600	4000	4000	4500	4500
	厚度	Thickness		mm	180	220	220	250	280	300	340
滑块底面尺寸	前后	F.B	Slide dimension	mm	1600	1600	1600	1800	1800	1800	1800
	左右	L.R		mm	2800	3000	3600	4000	4000	4500	4500
气垫	压紧力/退出力	Pressing force/Return force	Air cushion	kN	600	800	1000	1250	1250	1500	1500
	数量	Q'ty		pc	单顶冠	单顶冠	单顶冠	单顶冠	单顶冠	单顶冠	单顶冠
	行程	Stroke		mm	200	220	240	250	250	250	250
滑块打料(特配)	形式	Methods	Knocking out of Slide		刚性	刚性	刚性	刚性	刚性	刚性	刚性
	行程	Stroke		mm	150	150	150	150	150	150	150
移动工作台方式(特配)			Moving methods of bolster		-	-	-	前移	前移	前移	前移
主电机功率			Main motor power	kW	75	75	90	132	132	160	220
外形尺寸(约)	前后	F.B	Overall dimension	mm	4350	4900	4080	6870	7290	7500	8450
	左右	L.R		mm	5180	5770	5420	5530	5600	6000	6320
	地面以上高度	Height above Ground		mm	6980	7900	7980	8860	9600	10600	11000
重量(约)			Weight	kg	92000	138000	165000	205000	238000	322000	398000

STRAIGHT-SIDE FOUR POINT PRESS

S4系列闭式四点压力机

- The clutch brake adopts a low inertia pneumatic clutch brake, which is controlled by a double safety valve.
- The hydraulic pressure overload protection device is adopted for the slide block.
- The height of the mold is adjusted by the digital display

- 离合器制动器采用低惯量气动离合器制动器，进口双联安全阀控制；
- 滑块采用液压过载保护装置，进口泵阀控制；
- 装模高度机动调节，数字显示；



400~1600Tons

S4 SERIES

- base column crossbeam and slide all use steel structure. Tighten together with tension bolts
- The transmission adopts three - stage transmission, one stage belt drive, two - stage gear transmission. High speed stage double helical gear
- The connecting rod is connected with the slide block by the guide pillar guide sleeve structure, Eight extra long guide rail.
- 底座、立柱、横梁、滑块采用全钢结构，用拉紧螺栓液压预紧在一起；
- 传动采用三级传动，一级皮带传动，两级齿轮传动。高速级采用人字齿轮；
- 连杆与滑块连接采用导柱导套结构，八面超长导轨导向；



- Hydraulic, pneumatic, electrical control components using high-quality brand-name products
- Electrical use PLC dual loop control
- With oil pressure, oil level, fault detection, a variety of action chains.
- Finite element analysis of key components.
- Optional before or after the moving side of the bolster, air cushion, special vibration isolator, quick die changing device, photoelectric protection device, rigid material and so on.
- The method of thin oil circulating lubrication and concentrated oil clearance lubrication. With high and low level detection, high pressure detection, timing, fixed-point, quantitative lubrication.
- 采用稀油循环润滑与浓油间隙润滑方式，带高低油位检测，高油压检测，定时、定点、定量润滑；
- 带油压、油位、故障检测，各种动作连锁；
- 液压、气动、电气控制元件采用优质名牌产品；
- 关键零件采用有限元分析；
- 电气采用PLC双回路控制；
- 可选配前后或侧移移动工作台、气垫、专用隔振器、快速换模装置、光电保护、刚性打料等；

Standard configuration 标准配置

- | | | |
|---|-------------------------------------|------------------------------------|
| > 油压式过载保护装置 | > 维修文字知识功能 | > 预载计数器 |
| > 电动式自动润滑装置 | > 空气源插座 | > 预设计数器 |
| > 电动式滑块调整装置 | > 空气吹料装置 | > 电源插座 |
| > 电动式模高指示器 | > 二度落保护装置 | > 独立式控制箱 |
| > 滑块及模具平衡装置 | > 变频调速马达 | > T型移动式操作台 |
| > 电子凸轮控制显示器 | > 误送检知装置 | > 基础板和螺栓 |
| > 离刹性能读出监控装置 | > 主马达逆转装置 | > 维护工具及工具箱 |
| > 静态SPM显示功能 | > 电子式行程计算器 | > 使用说明书 |
| > Hydraulic overload protection device | > I repair instructions function | > Pre cut counter |
| > Electric automatic lubricating device | > When the air source socket | > Preset counter |
| > Electric slide adjusting device | > The air blowing device | > One power socket |
| > Electric die height indicator | > Two degree drop protection device | > Independent control box |
| > I slide and die balancing device | > The frequency control motor | > T mobile operating platform |
| > Electronic cam control display | > My fault detecting device | > When the base plate and the bolt |
| > I read from the brake performance monitoring device | > When the base plate and the bolt | > Maintenance tool box |
| > Static SPM display function | > When the electronic trip counter | > Operating instructions |

Optional configuration 选择配置

- | | | |
|--|-----------------------------------|---|
| > 气压式模垫顶料装置 | > 下死点检知器 | > 移动工作台 |
| > 光电式安全装置 | > 脚踏操作开关 | > 举模器、夹模器或移模器 |
| > 滑块上部顶料装置 | > 飞轮刹车装置 | > 自动送料系统 |
| > 模具照明装置 | > 安全挡块插销 | > 防震垫脚 |
| > Pneumatic die cushion lifting device | > I know death under inspection | > Moving table |
| > A photoelectric safety device | > When the pedal operation switch | > I lift the mold, clamps the mold or die arm |
| > When the slider lifting device | > The flywheel brake device | > Automatic feeding system |
| > I die lighting device | > Safety block bolt | > Stepping shock |

Technical parameters 技术参数

项目名称	Item	单位	S4-400	S4-500	S4-630	S4-800	S4-1000	S4-1250	S4-1600
公称力	Nominal pressrue	kN	4000	5000	6300	8000	10000	12500	16000
公称力行程	Nominal pressrue stroke	mm	13	13	13	13	13	13	13
滑块行程	Slide stroke	mm	700	700	700	700	700	700	700
滑块行程次数	No of strokes per minute	s.p.m	12-18	10-16	10-16	10-16	10-16	10-16	10-16
最大装模高度	Max.die height	mm	1100	1100	1100	1100	1200	1200	1200
装模高度调节量	Die height adjustment	mm	500	500	500	500	600	600	600
导轨间距离	Distance between slide rails	mm	2940	3600	4090	4120	4210	4610	4610
工作台板尺寸	前后 F.B	Bolster dimension	mm	1900	1900	2000	2000	2200	2200
	左右 L.R		mm	2800	3500	4000	4000	4000	4500
滑块底面尺寸	前后 F.B	Slide dimension	mm	1900	1900	2000	2000	2200	2200
	左右 L.R		mm	2800	3500	4000	4000	4000	4500
气垫	压紧力/退出力	Pressing force/Return force	kN	1000	1000	1000	1500	1500	2000
	数量 Q'ty		Air cushion	pc	单顶冠	单顶冠	单顶冠	单顶冠	单顶冠
	行程 Stroke			mm	0-200	0-200	0-200	0-250	0-250
移动工作台方式(特配)	Moving methods of bolster		前移	前移	前移	前移	前移	前移	前移
主电机功率	Main motor power	kW	55	75	90	110	132	160	220
地面以上高度	Height above ground	mm	7995	8500	8920	9500	9600	10600	11000
重量(约)	Weight	kg	162000	198000	255000	345000	375000	420000	485000



PART OF ENGINEERING PROJECTS

部分工程案例



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