



60-550T



寧波澳瑪特高精衝壓機床股份有限公司
Ningbo Aomate High Precision Power Press Co.,Ltd.

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「APG」系列 龙门高速精密冲床

APG Sery
H-Frame high speed
precision press

HIGH RIGIDITY	高刚性
HIGH PRECISION	高精度
HIGH STABILITY	高稳定性

APG Sery

H-Frame high speed precision press



Standard Accessories 标准配置

- Electric die height adjusting equipment - 电动式模高调整
- Digital die height indicator(0.01mm) - 模高显示精度0.01mm
- Micre inching function - 寸动定位装置
- 30 sets memory for die setting data - 电脑可记忆30组(套)模具加工资料
- Lot"A","B","C", control for auto-stacking - 三组批量控制
- 2 sets of mis - feed detecting receptcle - 二组误送检出
- Two way rotation main motor control - 连动、单动具有0°及90°定位功能
- Hydraulic clamping unit for die height adjusting - 主机正逆转装置
- Lubricant cooling device - 油压式滑块固锁装置
- Italy Yu Yi integral clutch brake - 意大利宇意一体式离合刹车
- Independent electric control box - 独立式电控箱
- Anti-vibration mounts - 油压式防震脚座装置
- Tool box - 工具箱
- Work light - 工作灯
- Inverter control for main motor - 主机马达变频控制

Optional Accessories 选择配置

- Hi-speed gear change feeder - 高速送料机
- Leveler & "S" loop control - 整平出料机
- Double head un - coiler - 双头油压开卷机
- Hydraulic die lifeter & die arms - 油压举模装置
- Die arm sepjes - 移模臂
- Hydraulic die clamping device - 快速夹模装置
- F-3SC stamping controller - 冲压控制器
- Two side sound proof safety door - 前后隔音安全门
- Die height detector - 下死点精密检测器
- Internet of things - 物联网

AOMATE PRESS

项目	item	单位 unit	APG-60	APG-80	APG-125	APG-220	APG-300	APG-400	APG-550
吨数	Capacity	ton	60	80	125	220	300	400	550
行程	Stroke	mm	30	30	30	30	30	40	40
能力发生点	Capacity occur point	mm	2	2	3.2	3.2	3.2	3.2	1.6
每分钟行程数	Strokes per minute	s.p.m	150~700	150~700	150~600	150~500	150~400	100~220	70~150
下工作台尺寸	Bolster area	mm	950x650	1100x750	1300x850	1800x950	2300x1000	2600x1200	3100x1500
下料孔	Bolster hole	mm	700x125	800x150	1100x200	1400x250	2000x300	2300x400	2600x500
滑块面积	Slide	mm	950x420	1100x500	1300x600	1800x700	2300x900	2600x1100	3100x1400
模高调整行程	Area adjustment	mm	300~350	330~380	360~410	370~420	400~460	450~550	500~600
模高调整马达	Adjusting motor	kw	0.4	0.75	0.75	1.5	2.2	2.2	3.7
主电动机	Main motor	kw	19	22	37	45	55	75	90

龙门高速精密冲床技术特性

Frame

- Split casting frame, using high-strength cast iron, and stress elimination, to ensure the long-term stability of precision.

Guide Structure

- Six circular guide pillar structure design, guide pillar and Slider guide pillar are used without clearance linear bearings, to eliminate the impact of the swing of the connecting rod to the slide, and improve the resistance of the slide load capacity.

Crankshaft

- Nickel-chromium-molybdenum alloy steel, through heat treatment, grinding and other precision processing to ensure strength and precision.

Dynamic Balancing Device

- Excellent dynamic balance design, can reduce vibration and noise to the greatest extent, and improve the service life of mould.

Adjusting screw type hydraulic locking device

- Effectively eliminate the gap in the thread pair of adjusting screw to ensure the lower dead point precision.

机身

- 分体式铸造机身, 采用高强度铸铁, 并经应力消除, 确保精度的长期稳定。

导正机构

- 采用六圆导柱的结构设计, 导柱及滑块导柱均采用无间隙线性轴承, 消除连杆摆动对滑块的影响, 并提高滑块的抗偏载能力。

曲轴

- 采用镍铬铝合金钢, 经热处理、研磨等精密加工, 确保强度和精度。

动平衡装置

- 优异的动平衡设计, 可最大程度的降低振动和噪音, 提升模具的使用寿命。

调整螺杆液压锁紧装置

- 消除调整螺杆螺纹副中的间隙, 保证下死点精度。

Lubrication system

- The use of forced light oil lubrication cooling system, so that the bearings can be fully lubricated to reduce the crankshaft and frame thermal strain, to ensure that the press in different circumstances precision stability, prolong the mechanical life.

Energy Saving Device

- The main motor and the slide adjusting motor are energy-saving inverter control, using a small amount of electrical energy to complete a larger workload.

HMI

- All-in-one Touch Screen Control screen, specially developed for stamping operation software, big memory capacity, fault detection capability, easy maintenance.

Precision Standard

- Imported large-scale PAMA processing equipment to ensure super high machining precision, Strictly implement Japanese JIS special precision grade standard.

润滑系统

- 采用强制稀油润滑冷却系统, 使轴承得到充分润滑, 降低曲轴与机身的热应变, 确保冲床在不同环境下精度稳定, 延长机械寿命。

节能装置

- 主马达和调模马达均采用节能变频控制, 可用很少的电能完成较大的工作量。

人机界面

- 一体式触摸屏控制界面, 专门为冲压作业开发的软件, 记忆容量大, 具备故障侦测能力, 维修方便。

精度标准

- 进口意大利 PAMA 大型加工中心保证超高加工精度, 严格执行日本 JIS 特级精度标准。



意大利 PAMA 等进口加工设备

美国 API 激光跟踪仪

瑞士 TRIMOS 二次元检测仪

周边配置

