



# MAC

## MACHINE TOOLS

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### SMAC Intelligent Technology CO. Ltd.



# BRIEF INTRODUCTION

SMAC Intelligent Technology Co., Ltd. is a high-tech enterprise specializing in the research, development, and manufacturing of metal forming equipment. The company is dedicated to providing high-efficiency, high-precision, and intelligent sheet metal processing solutions. Our main products include CNC Panel Bender, CNC Electric Servo Press brakes, and high-performance CNC Servo Power Press.

Relying on independently developed core technologies, SMAC continuously promotes the intelligent upgrading and green transformation of traditional equipment. The CNC Panel Bender features fully automated operation, significantly enhancing production efficiency. CNC Electric Servo Press Brake adopts an advanced electric drive system, offering energy efficiency, high precision, and low maintenance costs. CNC Servo Power Press combines high response speed with exceptional stability, making it suitable for a wide range of complex stamping processes.

Adhering to the development philosophy of "Intelligent Manufacturing, Craftsmanship Quality," SMAC products are widely used in industries such as automotive, home appliances, electrical cabinets, and hardware. The company has earned the trust and praise of customers both domestically and internationally. Looking ahead, SMAC will continue to focus on intelligent manufacturing, drive innovation, and create greater value for our customers.

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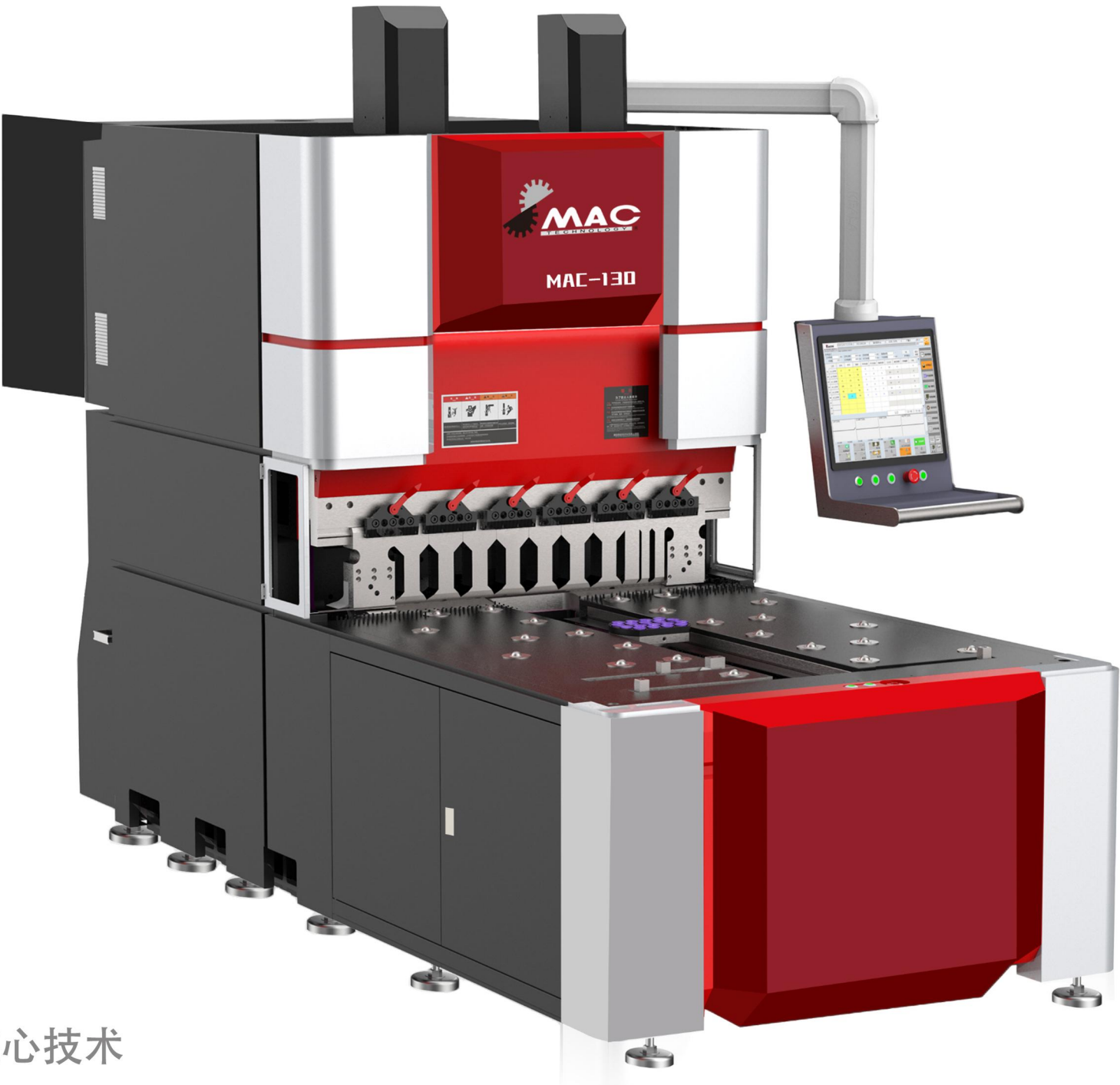
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**ISO9001  
REGISTRATION  
NO:1999B0957**

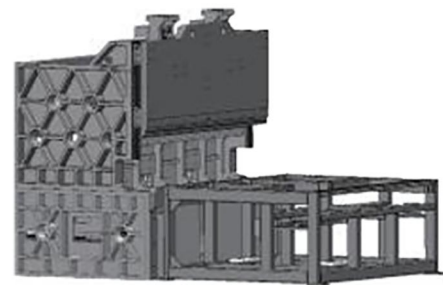
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REGISTRATION  
NO:CN-00206E10462R1M**

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# CNC Panel Bender 数控折弯中心



## Core Technology 核心技术



**Machine Bed**  
It is made of high-specification castings, and both the cast and welded parts are subjected to strict stress relief processing. High-precision machine tools are used for integrated processing, ensuring long-term accuracy, stability, and high rigidity during operation.

**铸造机身**  
框架经过精确的有限元受力分析，采用稳定的三角互联设计，结构稳固，稳定不变形，精度高。



**Nitrogen Balancing System**  
No need for power system, saving energy; suitable for high-speed movement of machine tools. Improves machining efficiency and extends the life of the screw by up to 10 times.

**氮气平衡系统**  
无需动力系统，节省能源，适用于机床的高速运动，提高加工效率，丝杆寿命延长10倍。



**Separate Air-Conditioning**  
Strong heat dissipation for more stable machine performance.

**独立空调**  
散热强，机器性能更稳定



**Separate Vacuum Pump**  
Strong adsorption, higher precision, suitable for long time high temperature and high pressure operation.

**独立真空泵**  
吸附力强，更高精度，适合长时间高温高压作业。



**High-End Reducer**  
Small friction, high transmission efficiency, IP65 protection level, 90 degrees can also be continuous operation; stronger tensile rigidity, higher torsional rigidity, low noise, high precision.

**法国摩多利高端减速机**  
摩擦小，传动效率高，IP65防护等级，90度也可持续运转；更强抗拉刚度，更高抗扭刚度，低噪音，精度高。



**Servo Motor**  
Nut drive, higher precision, greater stability, higher efficiency, machining speed up to 200mm / s, repeat positioning accuracy  $\pm 0.01\text{mm}$ .

**伺服电机**  
螺母传动，精度更高，稳定性更强，效率更高，加工速度高达200mm/s，重复定位精度 $\pm 0.01\text{mm}$



Technical Parameter

技术参数

Suction Pad Type 吸盘式

| Item<br>名称                                                            | Unit 单位 | MAC-100                                                          | MAC-130                                                          | MAC-150                                                          |
|-----------------------------------------------------------------------|---------|------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|
| Bending length<br>折弯长度                                                | mm      | 1000                                                             | 1300                                                             | 1500                                                             |
| Sheet length<br>板料长度                                                  | mm      | 1100                                                             | 1400                                                             | 1600                                                             |
| Sheet width<br>板料宽度                                                   | mm      | 1000                                                             | 1250                                                             | 1250                                                             |
| Bending height<br>折弯高度                                                | mm      | 170                                                              | 170                                                              | 170                                                              |
| Minimum formed internal dimensions on<br>all four sides<br>四边最小成型内部尺寸 | mm      | 350×150                                                          | 350×150                                                          | 350×150                                                          |
| Double-sided minimum formed internal<br>dimensions<br>双边最小成型内部尺寸      | mm      | 150                                                              | 150                                                              | 150                                                              |
| Minimum radius of circle<br>最小圆弧半径                                    | mm      | 1.2                                                              | 1.2                                                              | 1.2                                                              |
| Fastest continuous bending speed<br>最快连续折弯速度                          | s       | 0.5/Kneif                                                        | 0.5/Knife                                                        | 0.5/Knife                                                        |
| Distance between upper and lower tool<br>上下刀之间的距离                     | mm      | 180                                                              | 180                                                              | 180                                                              |
| Bending angle<br>折弯角度                                                 | °       | 0-360°                                                           | 0-360°                                                           | 0-360°                                                           |
| Maximum material thickness<br>材料最大厚度                                  | mm      | Aluminum plate: 2.0<br>Carbon steel: 1.5<br>Stainless steel: 1.2 | Aluminum plate: 2.0<br>Carbon steel: 1.5<br>Stainless steel: 1.2 | Aluminum plate: 2.0<br>Carbon steel: 1.5<br>Stainless steel: 1.2 |
| CNC control system<br>数控系统                                            |         | SMAC Star 300                                                    | SMAC Star300                                                     | SMAC Star 300                                                    |
| Operating systems<br>作业系统                                             | OS      | Win7+OS                                                          | Win7+OS                                                          | Win7+OS                                                          |
| Number of axes<br>轴数                                                  | axes    | 8 axis as standard                                               | 11 axis as standard                                              | 11 axis as standard                                              |
| Machine Dimensions (L×W ×H)<br>机器尺寸（长×宽×高）                            | mm      | 3160×1440×2870                                                   | 3370×1710×2650                                                   | 3370×1900×2740                                                   |
| Machine Weight<br>机器重量                                                | kg      | 6000                                                             | 8000                                                             | 8500                                                             |
| Total power<br>总功率                                                    | kw      | 23.95                                                            | 25.9                                                             | 31.3                                                             |



Lever Type 压杆式

| Item<br>名称                                                            | Unit<br>单位 | MAP-100                                                             | MAP-130                                                             | MAP-150                                                             | MAP-200                                                             | MAP-250                                                             |
|-----------------------------------------------------------------------|------------|---------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------|
| Bending length<br>折弯长度                                                | mm         | 1000                                                                | 1300                                                                | 1500                                                                | 2000                                                                | 2500                                                                |
| Sheet length<br>板料长度                                                  | mm         | 1100                                                                | 1400                                                                | 1600                                                                | 2100                                                                | 2600                                                                |
| Sheet width<br>板料宽度                                                   | mm         | 1250                                                                | 1250                                                                | 1250                                                                | 1250                                                                | 1250                                                                |
| Bending height<br>折弯高度                                                | mm         | 170                                                                 | 170                                                                 | 250                                                                 | 170                                                                 | 175                                                                 |
| Minimum formed internal<br>dimensions on all four sides<br>四边最小成型内部尺寸 | mm         | 360×180                                                             | 360×180                                                             | 360×180                                                             | 360×180                                                             | 360×180                                                             |
| Double-sided minimum<br>formed internal dimensions<br>双边最小成型内部尺寸      | mm         | 180                                                                 | 180                                                                 | 180                                                                 | 180                                                                 | 180                                                                 |
| Minimum radius of circle<br>最小圆弧半径                                    | mm         | 1.2                                                                 | 1.2                                                                 | 1.2                                                                 | 1.2                                                                 | 1.2                                                                 |
| Fastest continuous bending<br>speed<br>最快连续折弯速度                       | s          | 0.5/Kneif                                                           | 0.5/Knife                                                           | 0.5/Knife                                                           | 0.5/Knife                                                           | 0.5/Knife                                                           |
| Distance between upper and<br>lower tool<br>上下刀之间的距离                  | mm         | 180                                                                 | 180                                                                 | 180                                                                 | 180                                                                 | 180                                                                 |
| Bending angle<br>折弯角度                                                 | °          | 0-360°                                                              | 0-360°                                                              | 0-360°                                                              | 0-360°                                                              | 0-360°                                                              |
| Maximum material thickness<br>材料最大厚度                                  | mm         | Aluminum plate:<br>2.0<br>Carbon steel: 1.5<br>Stainless steel: 1.2 | Aluminum plate:<br>2.0<br>Carbon steel: 2.0<br>Stainless steel: 1.2 | Aluminum plate:<br>2.0<br>Carbon steel: 2.0<br>Stainless steel: 1.2 | Aluminum plate:<br>2.0<br>Carbon steel: 2.0<br>Stainless steel: 1.2 | Aluminum plate:<br>2.0<br>Carbon steel: 2.0<br>Stainless steel: 1.2 |
| CNC control system<br>数控系统                                            |            | SMAC Star 300                                                       | SMAC Star300                                                        | SMAC Star 300                                                       | SMAC Star300                                                        | SMAC Star300                                                        |
| Operating systems<br>作业系统                                             | OS         | Win7+OS                                                             | Win7+OS                                                             | Win7+OS                                                             | Win7+OS                                                             | Win7+OS                                                             |
| Number of axes<br>轴数                                                  | axes       | 9 axis as standard                                                  | 12 axis as standard<br>14 axis as optional                          | 12 axis as standard<br>14 axis as optional                          | 13axis as standard<br>14 axis as optional                           | 11 axis as standard                                                 |
| Machine Dimensions (L×W<br>×H)<br>机器尺寸 (长×宽×高)                        | mm         | 4015×1440×2900                                                      | 3650×2300×2650                                                      | 4050×1900×2780                                                      | 4580×2400×2950                                                      | 5080×2890×2950                                                      |
| Machine Weight<br>机器重量                                                | kg         | 7500                                                                | 9000                                                                | 9500                                                                | 13800                                                               | 18000                                                               |
| Total power<br>总功率                                                    | kw         | 23.75                                                               | 27.65                                                               | 31.05                                                               | 44.65                                                               | 47                                                                  |

# CNC Electric Servo Press Brake

## 数控电动伺服折弯机



### Product advantages 产品优势

#### High-Efficiency Bending

Driven by a servo motor with high response speed the processing efficiency is more than 1.5 times higher than that of traditional hydraulic press brakes. The ram approach speed reaches up to 30 mm/s, approximately twice that of conventional electro-hydraulic press brakes.

#### 高效折弯

伺服电机驱动的高响应速度，比传统液压折弯机的加工效率高约1.5倍以上。  
滑块工进速度高达30mm/s，约是传统电液折弯机的2倍。

#### Stable Precision

Bending speed can be adjusted according to different workpieces, utilizing optimal algorithms and motion trajectory control to enhance bending accuracy. Compared to traditional all-electric servo press brakes, this system eliminates belts and gear reducers, The servo motor directly drives the ball screw, ensuring bending angle deviations within  $\pm 0.5^\circ$ , offering more stable precision.

#### 精度稳定

折弯速度可针对不同工件进行调整，采用最优算法以及运动轨迹控制提高折弯精度。与传统纯电伺服折弯机相比无皮带及减速机结构，伺服电机直接驱动丝杆传动，折弯角度误差在 $\pm 0.5^\circ$ 之内，精度更稳定。

#### Eco-Friendly and Energy-Saving

Consumes approximately 70% less energy than traditional electro-hydraulic press brakes. No hydraulic oil is required, making the system both energy-efficient and environmentally friendly.

#### 绿色节能

相较传统电液折弯机节能约70%，无需液压油，节能且环保

#### User-Friendly and Low Maintenance

The drive system is simple, with no consumable sealing parts and no risk of oil leakage. Only periodic lubrication is needed, reducing maintenance costs. The operating system is easy to use, making operation more convenient and worry-free.

#### 友好省心

降低了传动系统简单，无密封件耗品，无油液泄漏风险，仅需定期润滑，设备维护成本。操作系统简单易用，使用更方便省心。



Rear Gear Positioning Bearings (15 Years Without Deformation)

The standard CNC backgauge is equipped with six axes: X, R, Y1, Y2, Z1, and Z2. The X-axis controls the overall horizontal (front-to-back) movement of the backgauge fingers. The R-axis controls the vertical (up-and-down) movement of the backgauge fingers, significantly improving operational efficiency and reducing labor intensity by making height adjustments easier. The Y1 and Y2 axes control the vertical movement of the upper beam. The Z1 and Z2 axes control the independent horizontal (left-to-right) positioning of the two backgauge fingers. This six-axis configuration demonstrates outstanding efficiency and flexibility, especially for applications requiring frequent changes in sheet width or angled bending.

后档料定位总承（15年不变形）

常规数控后挡料标配六轴(X、R、Y1、Y2、Z1、Z2)。X轴一控制后挡料整体带动挡指作前后方向水平移动;R轴一控制后挡料挡指作上下方向垂直移动。R轴的使用大大方便了后挡料挡指的上下移动,提高了工作效率,减低了劳动强度。Y1、Y2一控制上工作台做上下方向垂直移动,Z1,Z2轴一后挡料两组挡指分别作水平方向左右移动。六轴配置显示了对板宽经常改变及斜线折弯的高效优越性。



Servo Motor

with ball screw drive ensures higher precision, greater stability, and improved efficiency. It achieves processing speeds of up to 200mm/s, with a repeat positioning accuracy of  $\pm 0.01\text{mm}$ .

伺服电机

螺母传动, 精度更高, 稳定性更强, 效率更高, 加工速度高达200mm/s, 重复定位精度 $\pm 0.01\text{mm}$ 。



Ball Screw and Linear Guideways

Featuring high-precision ball screws manufactured by HIWIN, this system offers enhanced positioning accuracy. Combined with a fully equipped backgauge, it ensures faster and more efficient bending operations.

滚珠丝杆、直线导轨

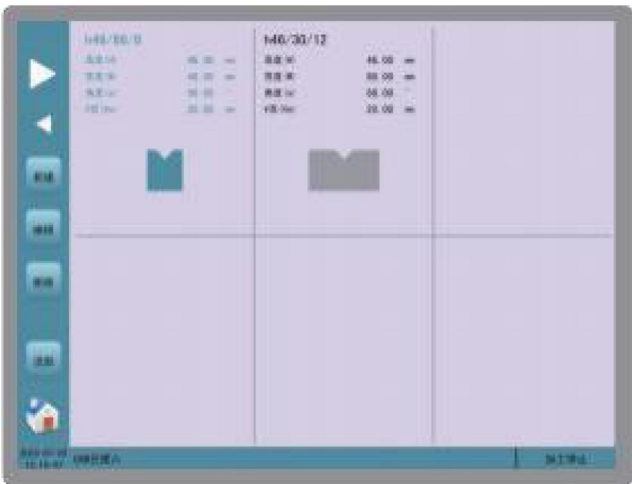
采用上银生产的滚珠丝杆, 定位精度更高, 配合功能齐全的后挡料, 使折弯过程更加快速。



Digital Bending System

数字化折弯系统

- Self-developed height system
- 15-inch TFT high-definition touch screen
- Handcrankwheel control, easy to operate, 2 hours to learn
- Intelligent alarm, rapid elimination, simple maintenance
- 2D graphic display and automatic bending;
- Plug access to the U disk, easy to save, restore product information, adjust the parameters of the machine
- Emergency stop button, the machine stops all movements in case of emergenc
- 自主研发高度系统
- 15寸TFT高清触摸屏
- 手摇轮操控, 操作简单, 2小时学会
- 智能报警, 迅速排除, 维修简单
- 2D图形显示和自动折弯
- 插接入U盘, 便于保存、恢复产品信息、调机参数
- 紧急停止键, 机器紧急停止所有动作





Technical Parameter

技术参数

| Item                                              | Unit | P B S - 3 5 1 2 | P B S - 4 0 1 5 | P B S - 6 0 2 0 | P B S - 8 0 2 5 | P B S - 10032  |
|---------------------------------------------------|------|-----------------|-----------------|-----------------|-----------------|----------------|
| Nominal Pressure<br>公称压力                          | Ton  | 35              | 40              | 60              | 80              | 100            |
| Table Length<br>工作台长度                             | mm   | 1200            | 1500            | 2000            | 2500            | 3200           |
| Column Spacing<br>立柱间距                            | mm   | 1130            | 1430            | 1930            | 2190            | 2870           |
| Table Height<br>工作台高度                             | mm   | 855             | 855             | 855             | 855             | 855            |
| Opening Height<br>开口高度                            | mm   | 420             | 420             | 420             | 420             | 500            |
| Throat Depth<br>喉口深度                              | mm   | 400             | 400             | 400             | 400             | 400            |
| Upper Table Stroke<br>上工作台行程                      | mm   | 150             | 150             | 150             | 150             | 200            |
| Upper Table Rise/Fall Speed<br>上工作台上升/下降速度        | mm/s | 200             | 200             | 200             | 200             | 180            |
| Bending Speed<br>折弯速度                             | mm/s | 10-30           | 10-30           | 10-30           | 10-30           | 10-30          |
| Back Gauge Front/Rear Travel Range<br>后定规前后移动范围   | mm   | 500             | 500             | 500             | 500             | 600            |
| Back Gauge Front/Rear Travel Speed<br>后定规前后移动速度   | mm/s | 250             | 250             | 250             | 250             | 250            |
| Back Gauge Lift/Elevate Travel Range<br>后定规升降移动范围 | mm   | 150             | 150             | 150             | 150             | 150            |
| Back Gauge Lift/Elevate Travel Speed<br>后定规升降移动速度 | mm/s | 130             | 130             | 130             | 130             | 130            |
| Number of machine axes<br>机台轴数                    | axis | 6               | 6               | 6               | 6+1             | 6+1            |
| Total power capacity<br>总电源容量                     | KVA  | 20.75           | 29.5            | 34.5            | 52              | 60             |
| Main motor power<br>主电机功率                         | Kw   | 7.5*2           | 11*2            | 15*2            | 20*2            | 22*2           |
| Machine weight<br>机器重量                            | Kg   | 3000            | 3500            | 5000            | 7200            | 8200           |
| Machine dimensions<br>机器尺寸                        | mm   | 1910x1510x2270  | 2210x1510x2270  | 2720x1510x2400  | 3230x1510x2500  | 3060x1850x2600 |
| Total power<br>总功率                                | Kw   | 16.6            | 23.6            | 31.6            | 41.6            | 46.3           |

# High Precision Strong Steel Frame Press

APS系列  
高精密强力钢架冲床

APS  
SERIES



## CNC Features

### 伺服系统介绍

- CNC Servo control system: -Siemens S7-200 PLC + 10" HMI + CPU; - Driver: BySTORM Italy — EMS: BySTORM Italy; - Encode: Tamagawa Japan ; - Servo motor : Delta
- 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.
- The precision of mold adjusting up to 0.1mm,safety, reliable and convenient.
- CNC 伺服控制系统：SiemensS7-200PLC+10寸人机界面 +CPU；驱动器：意大利BySTORM—EMS：意大利BySTORM；编码器：日本Tamagawa；伺服电机：Delta
- 机架采用高刚性设计，机身由优质钢板焊接并经过消除应力处理，提高了机器的稳定性和精度可靠性。
- 保持传动中心与机器中心的一致性，确保冲压精度。
- 为了保证机器运行平稳顺畅，采用带有平衡器的对称板结构设计。
- 模具调节精度可达0.1mm，安全、可靠且便捷。

## 25~315TONS

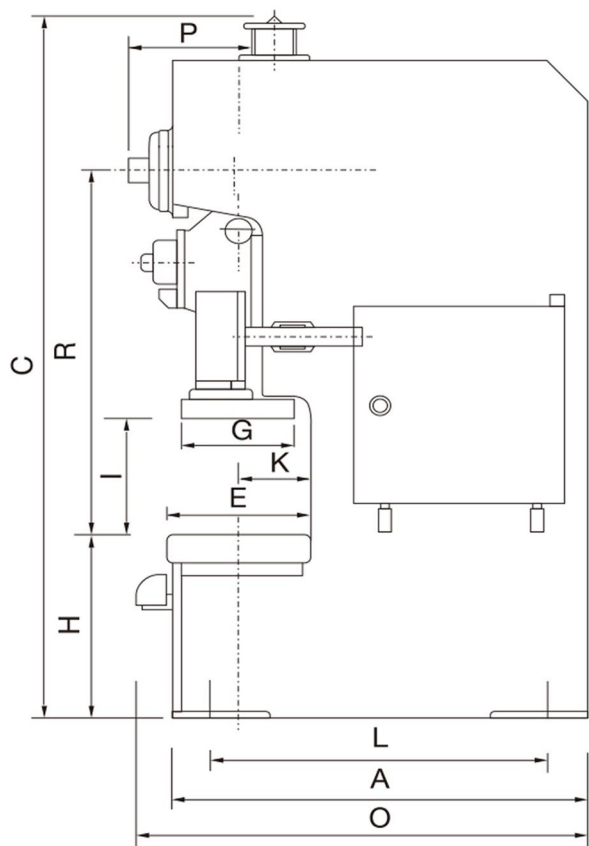
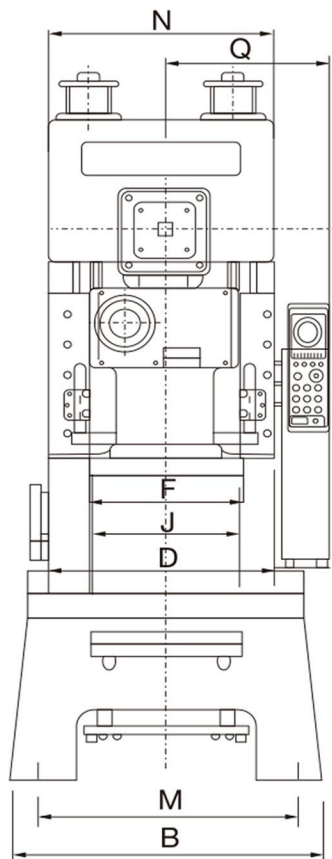
- Crank, gear, connect bar are oxidized hardening and milled, having super comprehensive mechanical performance and durable function.
- CNC servo control  
Reasonable structural design, is benefit for automation production and reduce cost , improve efficiency.
- Advanced design principle, low noise, low consumption, low cost , save energy.
- 曲轴、齿轮、连杆经过氧化淬火和铣削处理，具有卓越的综合机械性能和耐用性。
- CNC 伺服控制  
合理的结构设计有利于自动化生产，降低成本，提高效率。
- 先进的设计理念，低噪音、低能耗、低成本、节能环保。



Functions Features

性能特点

- The servo control system includes Siemens S7-200 PLC, 10" touch screen and CPU; drive and energy storage module by BySTORM (Italy); encoder by Tamagawa (Japan); and MST series servo motor by Delta (Taiwan).
- High rigidity frame design: welded with high-quality steel plates and treated with stress relief processes to improve the overall stability and precision reliability of the machine.
- The transmission center aligns with the machine's overall center to ensure accuracy and stability in stamping.
- To ensure smooth and stable machine operation, a symmetrical dual balancer design is adopted.
- Die adjustment precision up to 0.1mm, ensuring safety,convenience, and reliability.
- Components such as the crankshaft, gear set, and connecting rods are processed with oxidation hardening and grinding techniques, offering excellent overall performance and durability
- 伺服控制系统包括SiemensS7-200PLC、10" 触摸屏 和 CPU；意大利 BySTORM 的驱动和储能模块；日本多摩川编码器；台达MST系列伺服电机
- 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，经过氧化和研磨等工艺处理后，具有极高的综合



Optional Accessories

选择配置

|                                                                 |                     |
|-----------------------------------------------------------------|---------------------|
| Electrical automatic lubrication system                         | 电动式黄油润滑装置           |
| Pneumatic die cushion device                                    | 气压模垫装置              |
| Foot switch                                                     | 脚踏开关                |
| Quick die change device (die lifter, clamp and die arm sepjes ) | 快速换模装置（举模器、夹模器或移模臂） |
| Slide knock-out device                                          | 滑块上部打料装置            |
| Anti-vibration press mount                                      | 防震脚                 |
| Photo-electronic safety device                                  | 光电保护装置              |
| Feeder                                                          | 送料机（空气、机械及NC各类）     |
| Uncoiler                                                        | 料架                  |
| Leveler                                                         | 矫平机                 |
| Mechanism hand                                                  | 机械手                 |
| Die room light                                                  | 模具照明装置              |

CNC Servo Control

数控伺服控制

- The machine features a well-designed structure that facilitates automated production, reducing costs and increasing efficiency.
- With an advanced design concept, it ensures low noise, low consumption, and energy savings.
- 机器续结构设计合理，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 Accessories

标准配置

|                                         |                      |
|-----------------------------------------|----------------------|
| Touch pad(preset, total counter)        | 触摸屏(预断、预载、总计数)       |
| S-100 siemens control system            | 西门子S100控制系统          |
| Human-computer counter system           | 人机控制系统               |
| Hydraulic over-load protector           | 油压式过载保护装置            |
| Slide sadjust (60Tons and below)        | 手动式滑块调整装置(60Tons及以下) |
| Slide sadjust device(80Tons and above)  | 电动式滑块调整装置(80Tons及以上) |
| Die height indicator (60Tons and below) | 机械式模高指示器(60Tons及以下)  |
| Die height indicator (60Tons and above) | 电动式模高指示器(60Tons及以上)  |
| Balance device                          | 滑块及模具平衡装置            |
| Rotary cam switch                       | 旋转凸轮开关               |
| Misfeed detection consent               | 误送检测装置               |
| Power supply                            | 电源插座                 |
| Crank angle indicator                   | 曲轴角度指示器              |
| Electrical stroke counter               | 计数器                  |
| Air source receptacle                   | 空气源接头                |
| Against over-run safety device          | 二度落保护装置              |
| Air ejector                             | 喷风装置                 |
| Maintenance tool box                    | 维护工具及工具箱             |
| Operation manual                        | 使用说明书                |



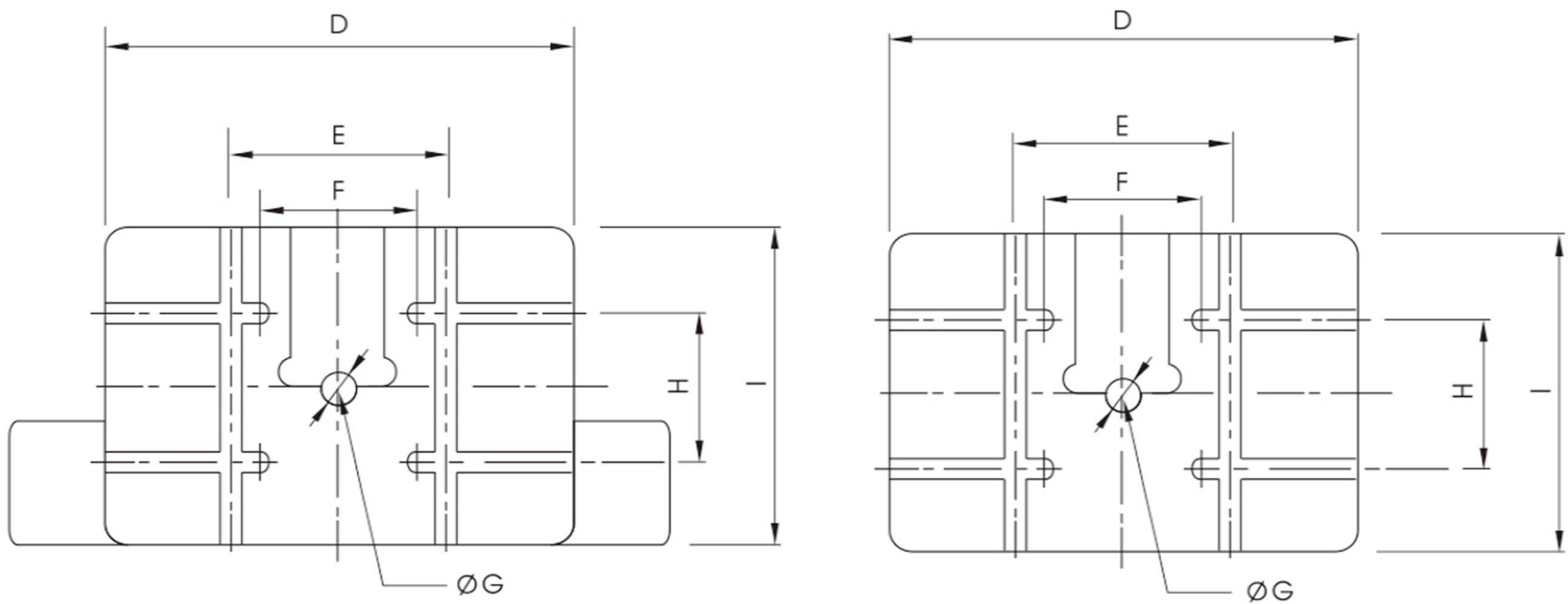
Machine Dimensions

外型尺寸

| 规格 Pecification | APS-25 | APS-35 | APS-45 | APS-60 | APS-80 | APS-110 | APS-160 | APS-200 | APS-260 | APS-315 |
|-----------------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|
| A               | 1100   | 1200   | 1400   | 1420   | 1595   | 1720    | 2140    | 2440    | 2605    | 2605    |
| B               | 840    | 900    | 950    | 1000   | 1170   | 1290    | 1390    | 1690    | 1850    | 1870    |
| C               | 2135   | 2345   | 2425   | 2780   | 2980   | 3195    | 3670    | 4075    | 4470    | 4490    |
| D               | 680    | 800    | 850    | 900    | 1000   | 1150    | 1250    | 1400    | 1500    | 1500    |
| E               | 300    | 400    | 440    | 500    | 550    | 600     | 800     | 820     | 840     | 840     |
| F               | 470    | 520    | 560    | 700    | 770    | 910     | 990     | 1130    | 1130    | 1130    |
| G               | 250    | 285    | 340    | 400    | 420    | 470     | 550     | 630     | 700     | 700     |
| H               | 800    | 790    | 800    | 795    | 830    | 830     | 910     | 1030    | 1030    | 1030    |
| I               | 260    | 290    | 320    | 420    | 480    | 530     | 650     | 650     | 750     | 770     |
| J               | 444    | 488    | 502    | 526    | 534    | 616     | 660     | 790     | 900     | 900     |
| K               | 160    | 205    | 225    | 255    | 280    | 305     | 405     | 415     | 430     | 430     |
| L               | 980    | 1040   | 1170   | 1180   | 1310   | 1420    | 1760    | 2040    | 2005    | 2005    |
| M               | 700    | 800    | 840    | 890    | 980    | 1100    | 1200    | 1400    | 1560    | 1580    |
| N               | 540    | 620    | 670    | 720    | 780    | 920     | 1000    | 1160    | 1300    | 1320    |
| O               | 1275   | 1375   | 1575   | 1595   | 1770   | 1895    | 2315    | 2615    | 2780    | 2780    |
| P               | 278    | 278    | 313    | 333    | 448    | 488     | 545     | 593     | 688     | 688     |
| Q               | 447    | 560    | 585    | 610    | 620    | 685     | 725     | 805     | 875     | 885     |
| R               | 935    | 1073   | 1130   | 1378   | 1506   | 1650    | 1960    | 2188    | 2460    | 2480    |

Slide

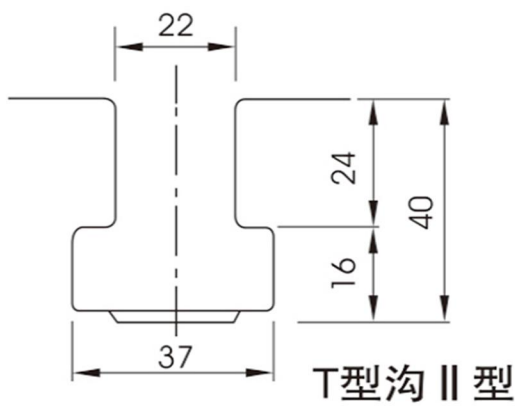
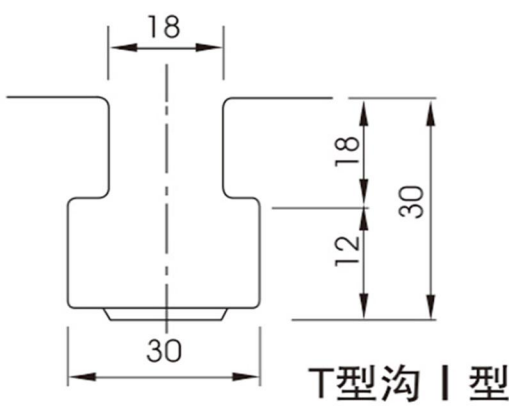
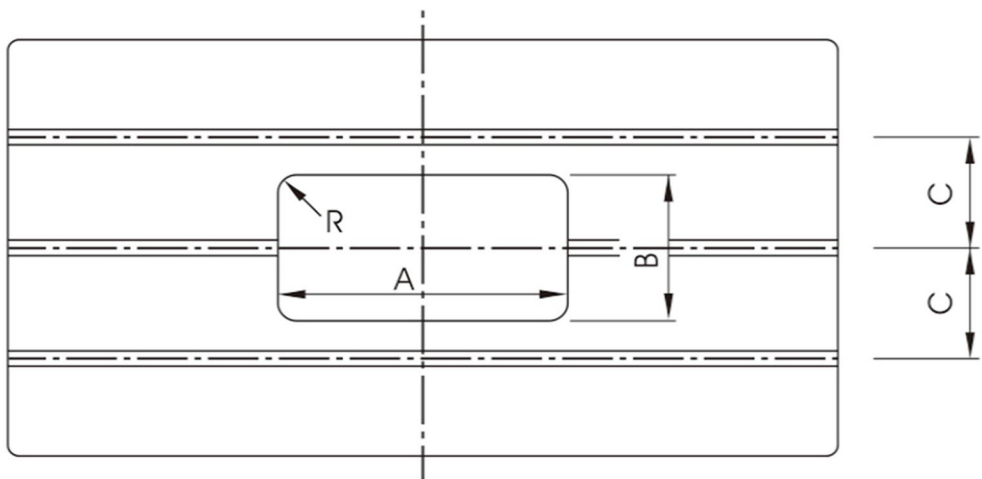
上工作台



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

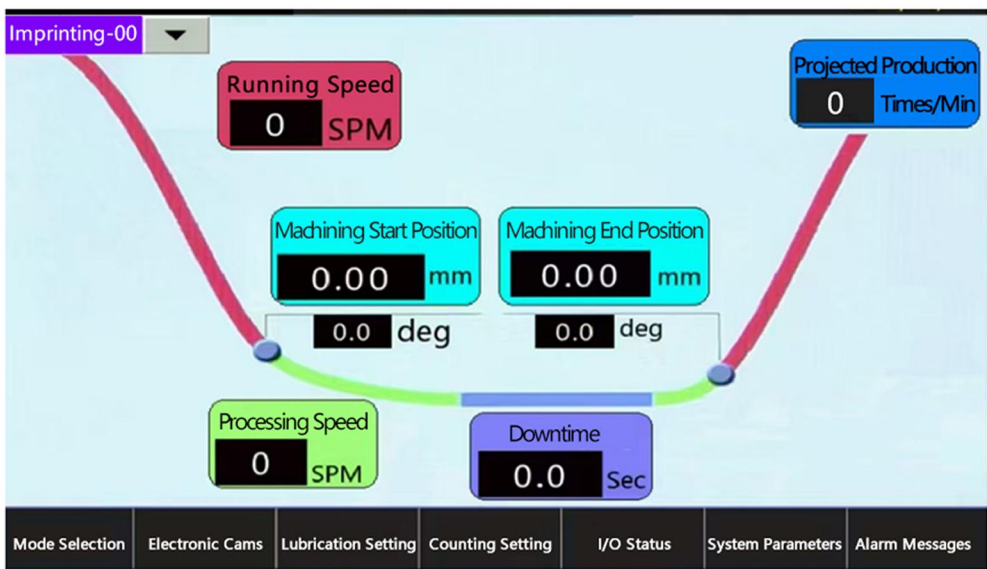
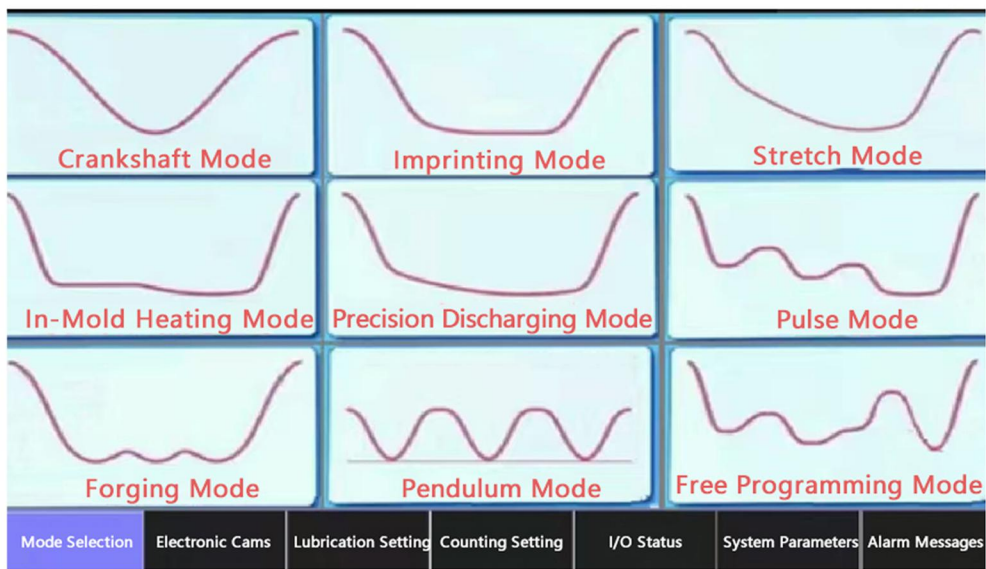
Bolster

下工作台



Tonnage&Energy,Stroke Curve

能力曲线图



Technical Parameters

技术参数

V Type

| 名称 Item                           | 单位 Unit           | APS-25              | APS-35            | APS-45            | APS-60             | APS-80             | APS-110               | APS-160            | APS-200            | APS-260            | APS-315            |
|-----------------------------------|-------------------|---------------------|-------------------|-------------------|--------------------|--------------------|-----------------------|--------------------|--------------------|--------------------|--------------------|
| 吨数 Capacity                       | Ton               | 25                  | 35                | 45                | 60                 | 80                 | 110                   | 160                | 200                | 260                | 315                |
| 冲力发生位置 Rated tonnage point        | mm                | 3.2                 | 3.2               | 3.2               | 4                  | 4                  | 6                     | 6                  | 6                  | 7                  | 7                  |
| 每分钟行程数<br>Srtroke per minute      | 变速 Speed changing | s.p.m               | 60-140            | 40-120            | 40-100             | 35-90              | 35-80                 | 30-60              | 20-50              | 20-50              | 20-40              |
|                                   | 定速 Stable speed   | s.p.m               | 110               | 85                | 75                 | 65                 | 65                    | 50                 | 35                 | 35                 | 30                 |
| 行程 Stroke                         | mm                | 60                  | 70                | 80                | 120                | 150                | 180                   | 200                | 200                | 250                | 250                |
| 最大闭合工作高度 Die height               | mm                | 200                 | 220               | 250               | 310                | 340                | 360                   | 460                | 460                | 500                | 520                |
| 滑块调整量 Slide adjustment            | mm                | 50                  | 55                | 60                | 75                 | 80                 | 80                    | 100                | 110                | 120                | 120                |
| 上工作台尺寸 Slide area                 | mm                | 300×230<br>×50      | 360×250<br>×50    | 400×300<br>×60    | 500×360<br>×70     | 560×420<br>×70     | 650×470<br>×80        | 700×550<br>×90     | 850×630<br>×90     | 950×700<br>×100    | 950×700<br>×100    |
| 下工作台尺寸 Bolster area               | mm                | 680×300<br>×70      | 800×400<br>×70    | 850×440<br>×80    | 900×500<br>×80     | 1000×550<br>×90    | 1150×600<br>×110      | 1250×800<br>×140   | 1400×820<br>×160   | 1500×840<br>×180   | 1500×840<br>×180   |
| 模柄孔 Shank hole                    | mm                | Φ38.1               | Φ38.1             | Φ38.1             | Φ50                | Φ50                | Φ50                   | Φ65                | Φ65                | Φ65                | Φ65                |
| 伺服电动机 Servo motor                 | Kw                | 28                  | 45                | 45                | 63.5               | 75                 | 75                    | 114                | 158                | 178                | 289                |
| 滑块调整机构 Slide adjust device        | HP                | 手动 Manual operation |                   |                   |                    |                    | 电动 Electrical driving |                    |                    |                    |                    |
| 使用空气压力 Air pressure               | kg/cm²            | 6                   | 6                 | 6                 | 6                  | 6                  | 6                     | 6                  | 6                  | 6                  | 6                  |
| 冲床(长 x 宽 x 高) Presses dimension   | mm                | 1280×850<br>×2200   | 1380×900<br>×2400 | 1575×950<br>×2500 | 1595×1000<br>×2800 | 1800×1180<br>×2980 | 1900×1300<br>×3200    | 2315×1400<br>×3670 | 2615×1690<br>×4075 | 2780×1850<br>×4470 | 2780×1850<br>×4490 |
| 冲床重量 Presses weight               | Tons              | 2.1                 | 3                 | 3.8               | 5.6                | 6.5                | 9.6                   | 16                 | 23                 | 32                 | 34                 |
| 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                 | 100                | 100                | 100                |
| 模垫有效面积 Die cushion effective area | mm²               | -                   | 300×230           | 300×230           | 350×300            | 450×310            | 500×350               | 650×420            | 710×480            | 810×480            | 810×480            |



H Type

| 名称 Item                           | 单位 Unit           | APS-25              | APS-35            | APS-45            | APS-60             | APS-80                | APS-110            | APS-160            | APS-200            | APS-260            | APS-315            |
|-----------------------------------|-------------------|---------------------|-------------------|-------------------|--------------------|-----------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 吨数 Capacity                       | Ton               | 25                  | 35                | 45                | 60                 | 80                    | 110                | 160                | 200                | 260                | 315                |
| 冲力发生位置 Rated tonnage point        | mm                | 1.6                 | 1.6               | 1.6               | 2                  | 2                     | 3                  | 3                  | 3                  | 3.5                | 3.5                |
| 每分钟行程数<br>Srtroke per minute      | 变速 Speed changing | s.p.m               | 130-200           | 110-180           | 100-150            | 80-120                | 80-120             | 60-90              | 40-70              | 50-70              | 40-50              |
|                                   | 定速 Stable speed   | s.p.m               | 110               | 85                | 75                 | 65                    | 65                 | 50                 | 35                 | 35                 | 30                 |
| 行程 Stroke                         | mm                | 30                  | 40                | 50                | 60                 | 70                    | 80                 | 90                 | 100                | 150                | 150                |
| 最大闭合工作高度 Die height               | mm                | 215                 | 235               | 265               | 340                | 380                   | 410                | 510                | 510                | 550                | 570                |
| 滑块调整量 Slide adjustment            | mm                | 50                  | 55                | 60                | 75                 | 80                    | 80                 | 100                | 110                | 120                | 120                |
| 上工作台尺寸 Slide area                 | mm                | 300×230<br>×50      | 360×250<br>×50    | 400×300<br>×60    | 500×360<br>×70     | 560×420<br>×70        | 650×470<br>×80     | 700×550<br>×90     | 850×630<br>×90     | 950×700<br>×100    | 950×700<br>×100    |
| 下工作台尺寸 Bolster area               | mm                | 680×300<br>×70      | 800×400<br>×70    | 850×440<br>×80    | 900×500<br>×80     | 1000×550<br>×90       | 1150×600<br>×110   | 1250×800<br>×140   | 1400×820<br>×160   | 1500×840<br>×180   | 1500×840<br>×180   |
| 模柄孔 Shank hole                    | mm                | Φ38.1               | Φ38.1             | Φ38.1             | Φ50                | Φ50                   | Φ50                | Φ65                | Φ65                | Φ65                | Φ65                |
| 伺服电动机 Servo motor                 | Kw                | 28                  | 45                | 45                | 63.5               | 75                    | 75                 | 114                | 158                | 178                | 289                |
| 滑块调整机构 Slide adjust device        | HP                | 手动 Manual operation |                   |                   |                    | 电动 Electrical driving |                    |                    |                    |                    |                    |
| 使用空气压力 Air pressure               | kg/cm²            | 6                   | 6                 | 6                 | 6                  | 6                     | 6                  | 6                  | 6                  | 6                  | 6                  |
| 冲床(长 x 宽 x 高) Presses dimension   | mm                | 1280×850<br>×2200   | 1380×900<br>×2400 | 1575×950<br>×2500 | 1595×1000<br>×2800 | 1800×1180<br>×2980    | 1900×1300<br>×3200 | 2315×1400<br>×3670 | 2615×1690<br>×4075 | 2780×1850<br>×4470 | 2780×1870<br>×4490 |
| 冲床重量 Presses weight               | Tons              | 2.1                 | 3                 | 3.8               | 5.6                | 6.5                   | 9.6                | 16                 | 23                 | 32                 | 34                 |
| 模垫能力 Die cushion capicity         | 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                 | 100                | 100                | 100                |
| 模垫有效面积 Die cushion effective area | mm²               | -                   | 300×230           | 300×230           | 350×300            | 450×310               | 500×350            | 650×420            | 710×480            | 810×480            | 810×480            |

江苏省重点培育和发展的出口名牌  
CERTIFICATE OF JIANGSU FAMOUS EXPORT BRAND  
(2025年度)

品 牌  
Brand Name SMAC

江苏省对外贸易经济合作厅  
Department of Foreign Trade and Economic Cooperation  
Jiangsu Provincial Government



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