

C-Frame High Precision Power Press

The guide rail is placed in the middle of the slider, ensuring it does not bear eccentric load. The disc brake motor automatically adjusts the mold height, and the speed of the slider can be adjusted as desired.



ADDITIONAL IMAGES



Overview

FCP Series High Precision Power Press

The FCP Series C-Frame Single Crank Power Press is engineered for high-volume, precision metal forming operations including blanking, piercing, bending, and forming. Built with a rigid C-frame construction to ensure minimal deflection and high accuracy, this machine features a single crank mechanism for efficient power transmission and consistent performance. Designed for industrial reliability, it includes advanced safety features, adjustable stroke length, and variable speed control to meet diverse manufacturing requirements.

Technical Specifications

Capacity Range

400 KN

Minimum Capacity

3000 KN

Maximum Capacity

Machine Performance Data

Parameter	Range
Stroke Length	60 - 250 mm
Die Height	270 - 550 mm
Slide Adjustment	50 - 120 mm
Main Motor Power	2.2 - 30 KW
Air Pressure Required	5 Kg/cm ²

Accuracy Standard

JIS-class1

Features & Equipment

- 模垫 Die cushion
- 平衡器/移模臂 Die lifter/Die arm
- 机械手 Transfer unit
- 送料轴 Driving shaft
- 送料机/材料架/矫正机 NC feeder/Uncoiler/Straightener

- 光电安全装置 Safety light curtain
- 脚踏装置 Foot switch
- 滑块上部顶料装置 Slide knockout device
- VS无级变速马达 VS Variable speed electrical motor

Equipped with advanced material handling solutions including NC feeder, die cushion, and safety light curtains.

- 双手操作台 Moveable, two hand operation, control pedestal
- 切/寸动/安全一行程/连续行程 Off/Inch/safety stroke/continue mode
- 油压超负荷保护装置 Hydraulic over load protects
- 二度落保护装置 Anti-over running safety device
- 电动滑块调整装置 Electrical slide adjusting device
- 数字模高指示器(单位:0.1 MM) Digit type Die height indicator (0.1 MM)
- 自动强制给油 Auto lubrication device
- 滑块平衡装置 Slide balance
- 电箱(固定式) Electrical control cabinet(fixed type)
- 喷风装置 Spray air device
- 电子凸轮 Digital stroke sensor
- 六位数字电子式预调计数器 6 digits electronic type preset counter
- 六位数字电子式累积计数器 6 digits electronic type production counter
- 气源接头—回路 1 Auxiliary air connection
- 误送检测装置 Socket for misfeed detecting device
- 双联电磁阀 Double action solenoid for C/B device
- 光电接口 Socket for safety light curtain
- NC接口 Socket for NC feeder
- 变频器 Frequency converter
- 可调防震脚 Adjustable anti-vibration mounts

User-friendly control pedestal featuring digital die height indicators and multi-mode operation settings.

Automation & Control Components

- NC Feeder/Uncoiler/Straightener
- Frequency Converter
- Digital Stroke Sensor
- 6-Digit Preset Counter
- 6-Digit Production Counter
- Slide Knockout Device
- Auto Lubrication System

Operational Modes

- Off
- Inch
- Safety Stroke
- Continue Mode
- One Cycle Mode

Safety & Protection Systems

Hydraulic Overload Protection, Anti-over running device, Safety Light Curtain, Emergency Stop, Foot Switch