



CNC Punching Machine



KAIFENG is a National High-tech Enterprise that is specialized in R&D and manufactures CNC Punching Machine for sheet metal industry in China. KAIFENG aims to provide optimal solution for global customers and is always focusing on improving efficiency and decreasing cost for customers. With years of development, KAIFENG has become the one stop solution provider for all kinds of sheet metal CNC machines. KAIFENG

looks forward to becoming your long-term partner in China.

Product Description

KAIFENG **CNC Punching Machine** is a powerful machine which has the characteristics of high-quality, high-efficiency, energy-saving, high-accuracy, low noise. Benefiting from the electric servo punching head, KAIFENG **CNC punching machine** takes advantage of energy saving and ergonomics with superb accuracy and productivity. There are 32 sets working station on the turret, which has different shapes and size tools. By intelligent CAM software, it can realize punching, forming and wheel rolling fabrication.



CNC Punching Machine Parameter					
Specifications	Unit	SP3050	SPS3050	SPS3050-16	SPS3050-20
Nominal Force	KN	300	300	300	300
Max. Punch Size	mm	Φ88.9	Φ88.9	Φ88.9	Φ88.9
Transmission Type	Servo				
Frame Construction	O-frame				
Max. Sheet Size	mm	1250×5000	1500×5000	1650×5000	2000×5000

(One reposition)					
Max. Sheet Thickness	mm	6			
Max. Sheet Weight	kg	150			
Punching Accuracy	mm	±0.1			
Ram Stroke	mm	32			
X/Y Traverse Length	mm	2500/1250	2500/1500	2500/1650	2500/2000
Max. Punching Frequency	min-1	1500			
Max. Positioning Speed	m/min	X=80 Y=64			
Turret Rotation Speed	r/min	30			
Number of Tool Stations	set	32			
Number of Floating Clamps	set	3			
CNC System		FANUC			
Number of Controlling Axis		5axis			
Monitor		10.4 Inches Color			
Machine Dimensions (Approx)	mm	5000×5260×2250	5500×5260×2250	5800×5260×2500	6500×5260×2500
Machine Weight (Approx)	T	16	17	18	20

CNC Punching Machine Feature And Application

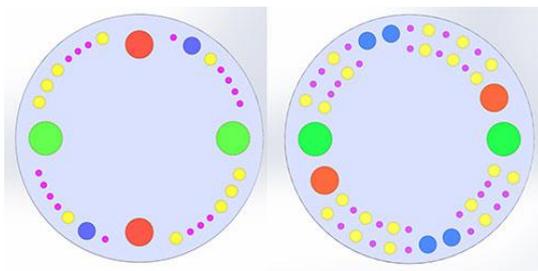
KAIFENG **CNC Punching Machine** SP series utilizes an AC servo motor to drive the ram.



Electrical consumption is both environmentally-friendly and costs significantly. Brush table with steel ball design provides scratch-free processing, eliminating secondary finishing, and also minimizes noise during positioning.



advanced mechanical servo ram-head, the Max. Marking frequency is 1800/1500cpm; Available with 32 or 52 station, 2 auto-index turrets.



KAIFENG **CNC punching machines** are widely applied in electrical equipment, elevators industry, fire doors, kitchen equipment, curtain wall decoration, automobile industry and

other industries.

KAIFENG SPS3050 Turret Punching Machine Details

- AC Servo Electric System

CNC Punching Machine is equipped with high efficient AC Servo motor with single servo crank type punch head assembly which results in high precision. No need of hydraulic oil and worry about environmental issues. High punching speed reduces the production time and ensure cost down.



- Closed O Shape Frame Structure

Holistic welding structure & stress relief from tempering treatment.



- The tooling

The international universal tooling is of thick turret long guide series, with a high hardness, anti-abrasion ability and good guidance, a long tool life and no shim needed after regrinding. The work range can be expanded with auto indexing stations.



- Touch the man-machine interface

With 10.4 inch touch human-machine interface, in view of the punch design, simple

operation, powerful functions.

Integrated graphics, offline simulation, dynamic simulation, mold contrast special functions such as punch.



- Feeding Structure

THK lead high precision ball screw, control without using segmented compensation making the sports location accuracy is higher, running noise smaller. KAIFENG **CNC punching machine** is also equipped with pneumatic float-able clamps.

