



## Sheet Metal Punching and Cutting Line



KAIFENG is a professional sheet Sheet Metal Punching and Cutting Line supplier, which is dedicated to providing customers with overall solutions for sheet metal working facility, medium and heavy truck beam working facility, including Sheet Metal Punching and Cutting Line, turret punching machine, press brake, panel bender, punching and laser cutting combined machine.

KAIFENG products are widely applied in electrical equipment, elevators industry, fire doors, kitchen equipment, curtain wall decoration, automobile industry and other industries and KAIFENG products are sold throughout China, and also exported to other countries. KAIFENG company's business philosophy is quality first, innovation lead, integrity-based, mutual win and KAIFENG will keep on being the technologist of users and create more benefit for customers.

### Product Description

China KAIFENG high quality **Sheet Metal Punching and Cutting Line** sheet metal punching and cutting compound machine increases production and reduces cost by allowing customers to implement different part designs efficiently and cost-effectively.

The punching and laser cutting combined machine combines different work stages into one manufacturing cell and thus accelerate the manufacture of the final product and reduce the production costs. Using numerically controlled, servo-electric axes, the punching and laser cutting combined machine provides outstanding energy efficiency, low maintenance requirement, and a high speed of operation.



### Sheet Metal Punching and Cutting Line Parameter

KAIFENG Punch Press Specification		
Specification		SPS3050
Nominal Force	KN	300

Max. Punch Size	mm	F114.3
Max. Sheet Size (One re-position)	mm	1500×5000
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
Max. Punching Frequency	min-1	1500
1mm Pitch、5mmStroke, hits	min-1	X600, Y550
25mm Pitch、5mmStroke, hits	min-1	X340, Y300
Max. Positioning Speed	m/min	X=80, Y=64
Throat Depth	mm	1520
Turret Rotation Speed	r/min	30
Number of Tool Stations	set	32 (A16、B10、C2、D1、E1、IT 2)
Number of Floating Clamps	set	3
Deposition Device		R
Monitor		10.4inches color
Electrical Energy(AC 3phase 380V)(Including laser part)	KVA	40KVA
Air consumption (no including cutting air	m3/min	0.2

Laser Part Specification			
Item Name		Unit	Value
Laser Power		W	2000
Width of Cutting Crevice		mm	0.1
Cutting Speed	1 mm carbon steel	m/min	11
	2 mm carbon steel	m/min	6
	5 mm carbon steel	m/min	1.8
Hole Diameter of Blanking		mm	450*350
Focal Distance of the Cutting Lens		mm	125
Gas Pressure	Air and Oxygen	MPa	≤1.5
	Nitrogen	MPa	≤2.5
Consumption of Pressure Air (Air cutting)		m3/min	1

### Sheet Metal Punching and Cutting Line Feature And Application

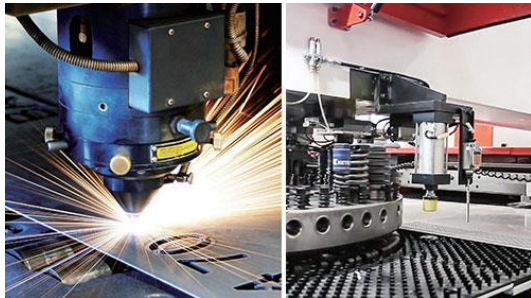
Punching + Laser Cutting = Superior Manufacturing Economy. Numerically controlled, servo-electric axes, providing high speed operations, low maintenance requirement, superior energy efficiency and lower production costs. Servo-electric punching and fiber laser cutting combined technologies, no laser gas required. Ecological reduced energy consumption, raw material savings.

### Sheet Metal Punching and Cutting Line Details

- Servo motor system



- Punching, forming, marking, bending, laser cutting - all in one machine



- Controlling System

KAIFENG Punching and Shearing Combined Machines adopt the world-famous FANUC control system and AC servo system.

