

Configuration Details


	<p>Switzerland Raytools laser cutting head</p> <p>Anti-collision design,height adjustment high sensitivity. Auto-focus laser head.</p>		<p>Cypcut operating system</p> <p>Shanghai Cypcut operating system , advanced technology, suitable for kinds of material cutting,easy to operate.</p>
	<p>IPG Laser Source</p> <p>100,000 hours life time More stable and cost-efficient Free maintenance.</p>		<p>Security/stability</p> <p>Hp computer licensed software.</p>
	<p>Japan YASKAWA servo motor</p>		<p>Water chiller</p> <p>Cooling laser head and laser source</p>
	<p>Independent Control Cabinet</p> <p>Dust-proof Automatic Thermostat with Air Conditioner(control the cabinet in a certain temperature to protect the electronic parts)</p>		<p>Voltage stabilizer</p> <p>The voltage regulator can adjust the voltage when the electricity is not stable. So that to protect the machine electricity parts and motor.</p>




TECHNICAL PARAMETER

Max working area	3000×1500mm
X-axis Stroke	1500mm
Y-axis Stroke	3000mm
Z-axis Stroke	290mm
X/Y Positioning Accuracy	±0.03mm
X/Y Reposition Accuracy	±0.02mm
Max Moving Speed	120m/min

Max. Acceleration	1.5G
Max. Loading Capacity	600kg
X-axis guide width	25MM
Y-axis guide width	35MM
Gantry	Aviation aluminum gantry
Lubrication system	Automatic lubrication system
Control system	Cypcut system, supporting PLT, BMP, DXF, AI, etc.
Specified voltage and frequency	380V/Three phase/ 50HZ/60HZ/60A
Dimension(length×width×height)	8850*2850*2310mm
Machine weight	6600kg

Advantages

<p>3rd Generation Aviation Aluminum Gantry</p>	<p>1.Manufactured with aerospace standards and formed by 4300 tons Press extrusion molding. After aging treatment, its hardness can reach 6061 T6, which is the strongest hardness of all beams. Aviation aluminum has many advantages, such as good toughness, light weight, stronger corrosion resistance, anti-oxidation, low density to increase the moving speed of laser head.</p> <p>2.The steel gantry is around 280kg in weight, Cast aluminum is around 180kg in weight, however, aviation aluminum gantry is only 138kg to increase the higher cutting speed. We are the first manufacturer to adopt aviation aluminum gantry.</p> <div data-bbox="590 1685 1499 2086">  <p>Without sand hole</p> <p>454 Hardness Tester Higher strength</p> </div>
<p>The Segmented Rectangular Tube Welded Bed</p>	<p>1.Structure advantage: The internal structure of the bed adopts the aircraft metal honeycomb structure, which is welded by a number of rectangular tubes. Stiffeners are arranged inside the tubes to increase the strength and tensile strength of the bed, it also increases the resistance and stability of the guide rail so as to effectively avoid the deformation of the bed.</p> <p>2.For material : Through 600℃ heat treatment to keep stronger and more solid</p> <p>3.Feature: High strength, stability, tensile strength, ensuring 20 years of use without distortion; thickness of rectangular pipe wall is 10mm and weight 5000 kg</p>

	
Independent Control Cabinet	<p>Dust-proof All electrical components and laser source are built-in to the independent control cabinet with a dust-proof design to prolong the lifespan of the electrical components.</p> <p>Automatic Thermostat The control cabinet is equipped with air conditioner for automatic constant temperature. This can prevent excessive temperature damage to components in summer.</p>
	
IPAD Designing Screen	<p>Ipad design screen, has a vertical screen display, different from the traditional horizontal screen display with good response speed, higher contrast, wider view, low power consumption as well as high resolution.</p> <p>In addition, it possesses high brightness levels and lower reflectivity as well as solid glass panel sturdiness and durability.</p>
	
Auto-focus laser head	<p>Without manual operation, it can focus automatically</p> <p>Auto focus cutting head Without manual focusing</p> <p>The software automatically adjusts the focusing lens to realize automatic perforating and cutting plates of different thickness. The speed of automatically adjusting focus lens is ten times of the manual adjusting.</p>