The Third Generation Aviation Aluminum Beam

1st generation steel beam
- Slow speed
- Weight

2nd generation cast aluminum
- Lower strength
- Sand hole

3rd generation aviation aluminum beam

It is manufactured with aerospace standards and forms by 4000 tons press extrusion rolling. After aging treatment, its strength can reach 0001 T6 which is the strongest strength of all beams. Aviation aluminum has many advantages, such as good toughness, light weight, corrosion resistance, anti-oxidation, low density, and greatly increase the processing speed.

Without Manual Operation, It Can Focus Automatically

- Without manual focusing
  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.

- Bigger adjustment range
  Adjustment range -10mm ~ +10mm, precision 0.01mm, suitable for 0~20mm different types of plates.

- Long service life
  Collimator lens and focus lens both have water-cooling heat sink which reduces the temperature of the cutting head to improve the life of the cutting head.
Drive and Accuracy

G-WEIKE fiber laser cutting machine is equipped with Japanese Yaskawa motor, French Motoreduc to reducer and Taiwan APEX rack. The positioning accuracy of the machine tool can be ±0.02mm and the cutting acceleration is 1.0G. The working life is more than 10 years.

Technical Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
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<tbody>
<tr>
<td>Machine Model</td>
<td>LF3015/LF4515/L1000W 2000W 3000W(Optional)</td>
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<tr>
<td>Laser Power</td>
<td>1000W 2000W 3000W(Optional)</td>
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<tr>
<td>Dimensions</td>
<td>4440<em>2500</em>1860mm 6140<em>1860</em>2865*1850mm</td>
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<tr>
<td>Working Area</td>
<td>3000mm * 1500mm</td>
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<tr>
<td>Repeated/Positioning Accuracy</td>
<td>±0.02mm</td>
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<tr>
<td>Max.Running Speed</td>
<td>80m/min</td>
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<tr>
<td>Max. Acceleration</td>
<td>1.0G</td>
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<tr>
<td>Specified Voltage and Frequency</td>
<td>380V 50Hz/60Hz/80A</td>
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Industry Applications

LF3015L fiber laser cutting machine as one classic model, widely used in life, such as processing of stainless steel kitchenware, storage cabinet and other cabinets, is closely related to people's daily life.

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