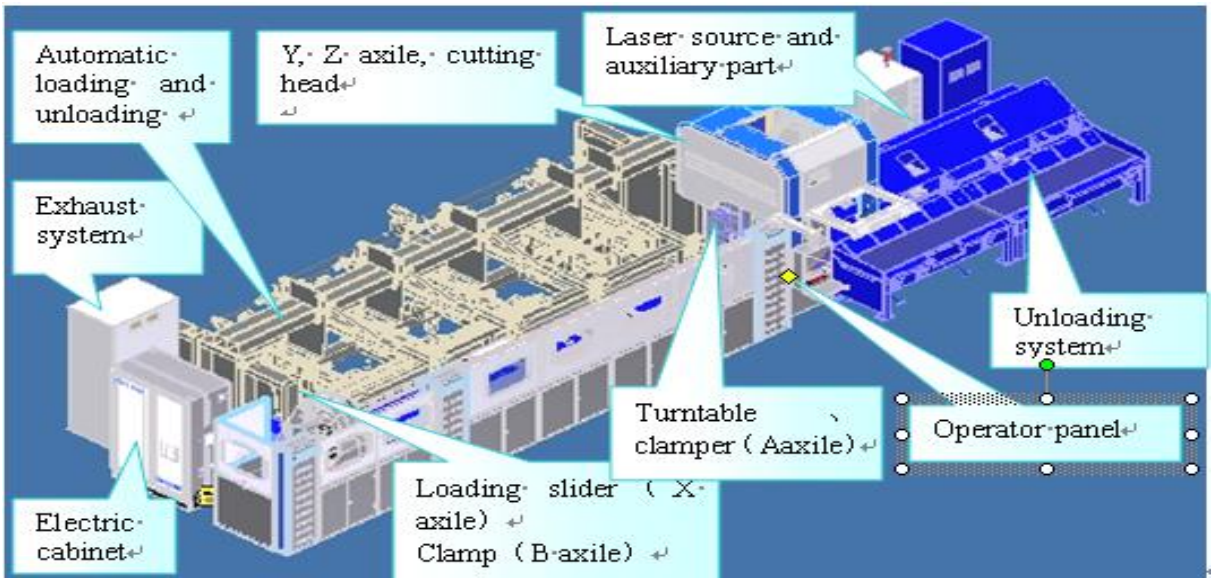
CNC Laser Cutter



GS-LFTC60 CNC Laser Cutter

GS-LFTC60 laser cutter is equipped with IPG laser generator as well as other efficient drive mechanism such as high precision gear rack, imported high precision linear guide rail, etc., and assembled through the advanced imported CNC system. It is a hi-tech product integrating laser cutting, precision machinery, CNC technology, etc. mainly used to cut and form carbon steel sheets, stainless steel sheets, aluminum alloys, composite materials, etc., with the features of high speed, high precision, high efficiency, high price performance ratio, etc. It is the first choice cutter model in the metallic material processing industry.

Features Gantry-type CNC tube Laser Cutter:

1. Gantry-type Flying Optical Path Structure. The machine bed adopts the gantry-type structure, is annealed to relieve internal stress, roughly machined to disable the vibration, and then finished, thus significantly improves the rigidity and stability of the CNC laser cutter which can maintain long-term, good stability and shock resistance and ensure the precision of the CNC laser cutter.
2. The girder is one piece casting of aerometal, with light weight and good dynamic performance; machining after tempering ensures the integrity, rigidity and stability of the girder.
Advanced Control Function:
1. Sheet material surface height tracking control (follow-up function):
The Z axle allows sheet material surface height tracking control to adapt to different evenness of sheet materials. The function is integrated in the CNC system, and provides quicker response, better sensitivity and higher servo precision compared to conventional CNC system.
2. Laser power ramp control:
During acceleration and deceleration of the CNC laser cutter, PA8000 CNC system can adjust the laser power ramp according to the real time speed of the CNC laser cutter to ensure consistent quality of processing section. The function is also integrated in the CNC system, and provides quicker response and better instantaneity compared to conventional CNC system.
3. Self-adaptive feed forward “ART” regulation technology:
The self-adaptive feed forward “ART” regulation technology allows the PA8000 CNC system to make self-adaptive regulation during motion control on real time basis. The CNC laser cutter position control closed loop can reach the optimal gain and the best rigidity. The “zerolag” feature of “ART” regulation technology makes the CNC laser cutter has the minimum servo lag error and the highest position servo accuracy.

Our service:

Technical Train Content:

1. Safety Train

2. Basic Knowledge Train

3. Structure of laser route, test, safety regulation and maintenance

4. CNC system principle, operation, programming, failure diagnose and notice

5. Machine tool operation, daily maintenance, electric control and maintenance

Trainee qualification:

More than three years factory working experience

Trainee is not allowed for our machine operation until the approval of written test and live operation.