



Plasma Cutting Structural Fabrication Systems



JINFENG® is a professional China manufacturer and supplier of Plasma cutting structural fabrication systems with affordable price. The Plasma cutting structural fabrication systems are high performance Plasma coping machines to execute the plasma cutting on different steel profiles of H beam (I beam), strip, angles, Channel and square/rectangle tube with an

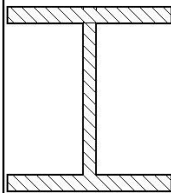
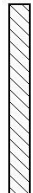
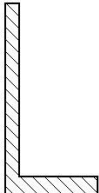
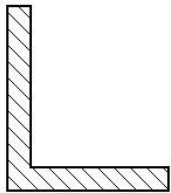
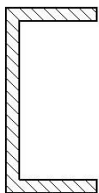
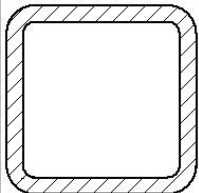
robot arm.

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PKG500L

Plasma cutting structural fabrication systems

For all the Plasma cutting structural fabrication systems and plasma cutting machines that manufactured by JINFENG WELDCUT will have 2 years warranty, and which are Equipped with Roller tables, cross cart, dust filter, plasma cutting system, and optional functions like dot peen marking device, laser marking, holes cutting by laser, and support all CAD-CAM interfaces. The PKG Plasma cutting structural fabrication systems are the most advanced robotic plasma cutting line to increase the productivity for End-users from different industries.

Model	H-beam	Strip	Angle	E-angle	Channel	SQ pipe	Length	Weight
							12000mm	12T



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PKG500L	150*120mm- 1000*500mm	100*5mm – 1000*30mm	100*75mm- 500*150mm	75*75mm- 220*220mm	100*50mm- 1000*500mm	150*150mm- 500*400mm		
Support Plasma cutting, Plasma marking, laser cutting, laser marking, dot peen marking, CAD-CAM software								

Specifications

Feature And Application

1. The PKG500L Plasma cutting structural fabrication systems is a high automation cutting equipment integrated with an ABB six axis robot arm. By one key operation by one operator, the line start the automatic processing from material loading and parts unloading after plasma cutting.

2. One PKG500L Plasma cutting structural fabrication systems with one operator can replace:

Beam drilling line

Bandsaw

Angle Line

Plate/bar processing line

Coping Machine

Marking Machine

3. The line can be fully integration with the MES system and Allow remote control via team viewer for the engineers from manufacturer to easily carry out the remote diagnosis to solve the problems via internet without sending engineers to the working site.

3. The CNC system provides full control of all main line system (robot, roller table, cross conveyor, measuring cart and gripper, the marking system)。

4. Can read *.gen files created from Tribon/AM, DSTV files exported from TEKLA design software and others formats.

5. This PKG500L Plasma cutting structural fabrication systems is widely used in Steel construction (plasma Beam coping for the fabrication of building structures, bridges, railroad, trailers, train wagons, stair stringers, handrails and other secondary steel), steel structure and offshore (Beam coping for top sites, living quarters, subsea structures, subsea frames, support structures, pipe racks, protection frames for subsea manifolds, H-beam coping for skids, subsea structures, and support frames), and applied in Onshore.



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Details

This PKG500L Plasma cutting structural fabrication systems consists of:

- Cross cart
- Measuring cart and gripper
- Input Roller table
- Robot plasma cutting chamber
- Output roller table

Structure view



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Cross cart - loading

By integrated a cross cart to the input roller table of PKG500L Plasma cutting structural fabrication systems, the H beams and other profiles can be moved to the place needed, without using the crane to reduce the risk of crane to 0.



Measuring cart and gripper

Feeding the profile into cutting chamber at same time to measure the length of profile fed.

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Dot peen marking device

Provide permanent traceability marking of part number.

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Laser cutting head

Provide the holes cutting by laser on web of H beam with high accuracy and high quality.

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Robot cutting chamber

By installed an 6 axis robot arm inside cutting chamber to execute the high quality cutting on profiles.

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Operation console

19 inch LCD with touch screen.

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Input/output roller tables

By the working of roller tables, the H-beam coping machines achieve the high automation running to reduce the labor and increase the production.

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Cross cart – unloading

By integrated a cross cart to the output roller table of PKG500L Plasma cutting structural fabrication systems, the parts after cutting can be moved to the place needed, without using the crane to reduce the risk of crane to 0.

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