



Beam Robot Cutting Machine

JINFENG® is a professional China manufacturer and supplier of Beam Robot Cutting Machines with affordable price. The Beam Robot Cutting Machines are high performance H-beam plasma coping machines to execute the plasma cutting on different steel profiles of H beam (I beam), angles, Channel with a robot arm.



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PKG500

Beam Robot Cutting Machine

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

Specifications

Model	H-beam	Angle	E-angle	Channel	Length	Weight
PKG500						
	150*120mm- 1000*500mm	100*75mm- 500*150mm	75*75mm- 220*220mm	100*50mm- 1000*500mm	12000mm	12T
Support Plasma cutting, Plasma marking, dot peen marking, CAD-CAM software						



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Feature And Application

1. The PRG Beam Robot Cutting Machines 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 PKG Beam Robot Cutting Machines 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 Beam Robot Cutting Machines 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 PKG Beam Robot Cutting Machines consists of:

Cross conveyors

Measuring cart and gripper

Dot peen marking device

Input Roller table

Robot plasma cutting chamber

Output roller table

Structure view

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Cross conveyor – chain type

By integrated an cross conveyor (chain type) to the input roller table of PKG Beam Robot Cutting Machines, 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.



Robot cutting chamber

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By installed an 6 axis robot arm inside cutting chamber to execute the high quality cutting on profiles with plasma torch, and cutting rat holes with oxyfuel torch.



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 conveyor – unloading

By integrated an cross conveyor to the output roller table of PKG Beam Robot Cutting Machines, 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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