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## Pipe Cutting Machines With Roller Bed



JINFENG® is the professional China manufacturer and supplier of Pipe cutting machines with roller bed with affordable price. The Pipe cutting machines with roller bed are high performance plasma and oxy flame 3D cutting machine to execute the plasma cutting or oxy flame cutting on round pipe or tube.

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### XMG

## Pipe cutting machines with roller bed

For all the Pipe cutting machines with roller bed that manufactured by JINFENG WELDCUT will be delivered to End-user with 2 years warranty, and which are Equipped with a chuck to clamp the round pipe and turning the pipe during cutting, supporters for pipe. The plasma cutting torch and oxy flame cutting torch are mounted on the moving carriage which can move along the length of pipe . The machine supports all CAD-CAM interfaces as options. The XMG Pipe cutting machines with roller bed are the most advanced thermal cutting machine for pipe to increase the productivity for End-users from different industries.

## Specifications

Model	Round pipe diameter	Max Length	Max pipe Weight	Remarks
XMG 600	60-600mm	12000mm	5T	2 line-rollers
XMG 900	90-900mm	12000mm	5T	2 line-rollers
XMDG 1200	60-1220mm	12000mm	14T	4 line-rollers
XMDG 1420	60-1420mm	12000mm	16T	4 line-rollers
XFG1600	300-1600mm	12000mm	20T	Chuck + 4 line-rollers

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Support Plasma cutting, Plasma marking, Inkjet marking, CAD-CAM software, dust extraction filters

## Feature And Application

- 1.The XMG Pipe cutting machines with roller bed can offer high quality bevel cutting, hole cutting, vertical cutting for to reduce the mass works in next and make easy for welding connection in the next process.
- 2.The pipe cutting machine 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 software support the cutting operation and manual programming of parts based on the macros integrated in CNC. The CNC has a import interface forthe data file exported from TEKLA design software.
- 4.This XMG Pipe cutting machines with roller bed are widely used in Shipbuilding, shipyards, offshore, steel Construction, steel structure, piping, for the plasma cutting and oxy flame cutting of pipes to make stadiums, bridges, theme park, expo centers, airport, shopping malls, trusses, skids, frame, jackets, jack ups, support frame, pipelines etc. By adding XMG Pipe cutting machines with roller bed to the production facility, the End-users from different industries can increase their production and reduce the labors a lot.
- 5.High efficiency: the pipe loading time is 1/5 of the chuck type pipe cutting machine (in the chuck type pipe cutting machine, the cutting time is about 1/3 for the whole cutting time cycle, the 2/3 time are preparation time before cutting)



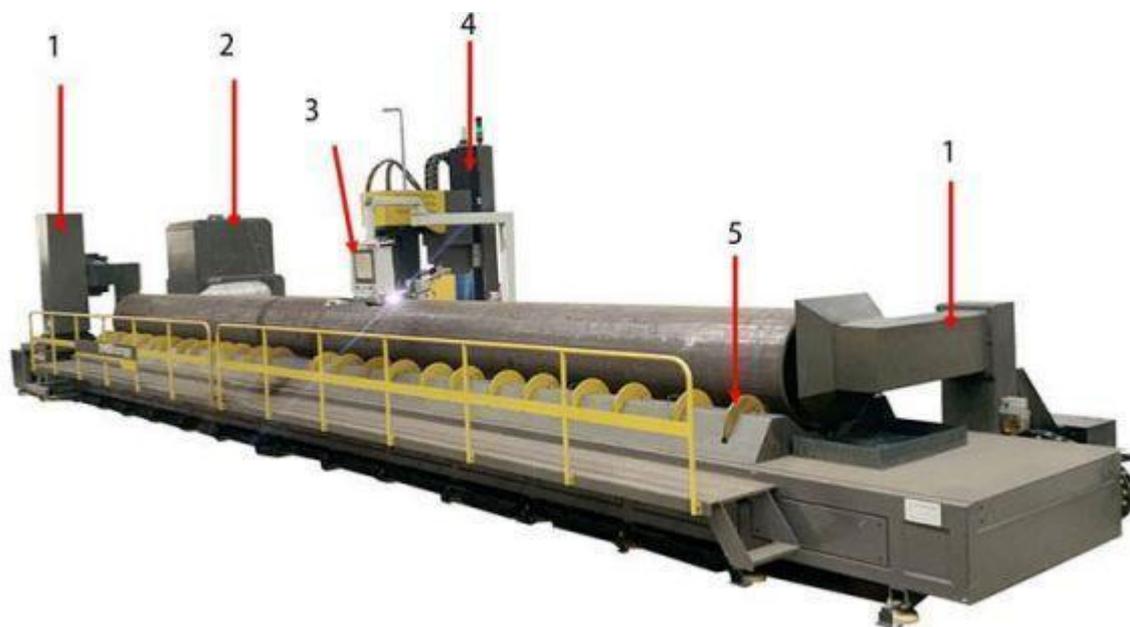
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## Structure view

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### **1.Dust absorbing -Optional**

For the environment protection purpose, On both end of the machine installed a Dust absorbing devices to lead the plasma fume into dust filter. One side of the dust absorbing device is movable for different length of pipes.

### **2.Dust extraction filter**

For the environment protection purpose, a dust extraction filter is equipped to the XMG Pipe cutting machines with roller bed . The filter is connected to the Dust absorbing devices via air ducting.

### **3.CNC control system**

The CNC main control unit is an industrial controller, integrated with touch screen. With the hardware board card interpolation, the CNC has a reliable stability and easy and convenient wiring. With the standard G code, it is easy for operator to learn and operate on the machine. The CNC system supports 3 operating modes: Flame cutting, Plasma cutting and demonstration.

The freepipe software is a library of Macros, which is integrated in the software of CNC system and easy for operator for manual programming.

### **4.Roller bed**

The roller bed consists of a table frame with many pieces of roller disks on top to support the pipe. For different size range of the pipe diameter, the pipe cutting machine will be designed to have 2 lines of rollers or 4 lines of rollers.

### **5.Cutting head on moving cart**

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The moving cart is moving in the length of the pipe to bring the cutting head to cover the whole length of pipe to realize the cutting on pipe with different length.

**Pipe cutting machines with roller bed installed in User's factory.**

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