

HYDRAULIC PIPE BENDING MACHINE MODEL: KM-A100TNC



MACHINE DESCRIPTION:

The Pipe Bender is mainly used for bending various kinds of profile parts with small radius, and the bending radius is usually 1.5 to 5 times the material cross section size. Change the bending die can be bent round, square, rectangular, L type, C type, H type, oval shaped and so on. Commonly used in automobile, motorcycle, airplane, ship, boiler, furniture, fitness equipment, recreational facilities, air conditioning and other fields, a wide range of applications.



MAIN FEATURE:

- The hydraulic type plane semi-automatic pipe bending machine can finish the processing of a plane elbow very quickly.
- It can also bend three dimensional pipe fittings by artificial transportation and other auxiliary methods.
- Operational manual carriage device, easy to bend high quality three-dimensional pipe fittings.
- The layer of die set in on is one stack; one time clamping process automatically completes an elbow processing.
- The bending shaft, the main clamp, the auxiliary clamp, the auxiliary pushing and the mandrel are driven by an oil cylinder.
- It has the functions of automatic hydraulic auxiliary pushing and automatic hydraulic mandrel.
- The mandrel has the function of back in advance.
- The auxiliary push has the same function as bending.
- The normal bend radius of 1.5D-5D fittings can be increased as required.
- Bending carbon steel, stainless steel, copper, aluminum and other materials, solid or hollow can be processed.
- The actual bending radius is determined by the mold chosen by the customer.
- The machine needs to be fitted with a die to bend the tube.
- Change the bending die can be bend round, square, rectangular, L type, C type, H type, oval shaped and so on.
- The standard model is equipped with a mechanical support device and a mechanical length positioning device.
- The standard model is operated in Chinese and English, and you can choose more language functions.
- Input processing data, the system will automatically check and alert the error situation.
- The bending control program is stored in the control system and is called at any time.
- Standard control system can save 500 sets of pipe material (expandable).
- Touch screen and PLC program control.
- Bend angle digital setting and digital control function.
- Separate foot control switches are operated at a distance.
- Password protection can be provided to prevent unauthorized personnel from modifying the processing program and the operating machine.
- A pipe fitting can be set with 9 different bending angles.
- Real time display of the required number of processing and the number of completed processing.
- With manual, semi-automatic, fully automatic operate function.
- Standard model of hydraulic oil cooling system is water cooled, users can be choose air-cooled.
- Optional bending speed adjustment function.
- Optional extended through length or expand the bending radius and other special features.



TECHNICAL PARAMETER:

HYDRAULIC PIPE BENDING MACHINE	
Model No	: KM-A100TNC
Max. Round pipe	: 101.6 mm
Max. Wall Thickness	: 4 mm
Max. Stainless Steel Pipe	: 101.6 mm
Max. wall Thickness	: 2 mm
Max. Square Pipe	: 80 mm
Max. wall thickness	: 3.8 mm
Max. Round bar	: 60 mm
Max. Bending Radius	: 400 mm
Bending Angle	: 0-190 degree
Mandrel working distance	: 3600 mm
Max. Bending Speed	: 16 deg/sec
Bending Accuracy	: ± 0.15 degree
Hydraulic Motor	: 15 kw
Max. working Pressure	: 17.5 Mpa
Hydraulic tank capacity	: 240 Liter
Total Width	: 1400 mm
Total Height	: 1400mm
Total Length	: 4800mm
Total Weight	: 4600 kg.
Brand new	: China

OPTIONAL ITEM:

- The hydraulic oil cooling system.
- Slow bending speed control function.
- Slow speed mandrel return control function.
- Mandrel automatic lubrication device.
- Manual carriage device.

MAIN CONFIGURATION LIST:

NO	NAME	COUNTRY OF ORIGIN	BRAND
1	Touch Controller	Germany	SIEMENS
2	PLC Controller	Germany	SIEMENS
3	Contactor	Taiwan	ANLY
4	Thermal Relay	Taiwan	ANLY
5	Auxiliary Relay	Taiwan	ANLY
6	Proximity Switch	Taiwan	TEND
7	Switching Power Supplier	Taiwan	MINGWEI
8	Pump Motor	Taiwan	CAME
9	Oil Pump	Taiwan	FLUIDMAN
10	Valve Block	Taiwan	7oceAn
11	Electromagnetic Relief Valve	Taiwan	7oceAn
12	Electromagnetic Direction Valve	Taiwan	7oceAn
13	One-way restrictive Valve	Taiwan	7oceAn
14	One-way Valve		7oceAn

SAMPLE WORKPIECE:

