

RAGOS

TECHNICAL SOLUTION

AG-1500



About Ragos



Foshan Ragos NC Equipment co., LTD located at Foshan city, 8000 m² workshop, is a CNC sheet metal bending solution manufacturer that focuses on the development, production, sales and after-sales services as one of modern integrated NC Equipment. In order to achieve high-speed, high-precision products, the company co-developed with Japan NADIC Co., Ltd., and Japan advanced technology and imported spare parts.



(Cooperative customer brands)

THE VALUE OF RAGOS

Artistic Bending

Intelligent numerical control, pre-
-cise angle, solve all problem
in manufacturing.



Innovation manufacture
Leading product in the press
brake industry.

Customer Service

Strong technical team,
Create more value for
customers.

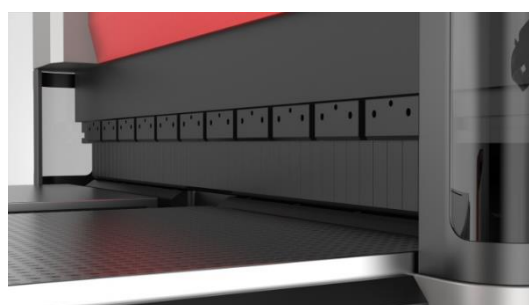
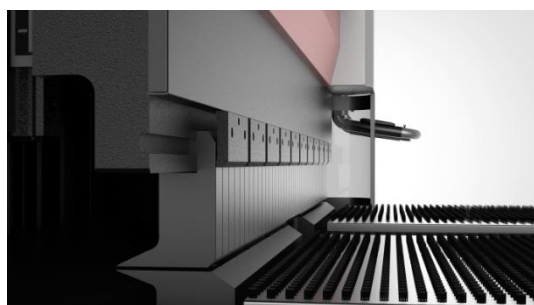


Quality Control
Complete strength testing
system, make sure the
precision and strength
of each machine.








fully-automatic panel bending center



AG series is a new generation of full automatic panel bending center. It is a benchmark product that the sheet metal manufacturing industry has stepped into automatic production. Saving the human resources, and also the bending speed is 3 times that the traditional bending machine, reaching 0.5s/bend. Full servo control can keep the product precision within 3s.



Equipment Configuration List

No.	Part Name	Country	Manufacturer	Remarks
1	Rack	China	Ragos	
2	Mold clamping	China	Ragos	
3	Control system	Japan	Developed with NADIC co., LTD	
4	Servo motor	China/Japan	VEICHI/SANYO	 
5	Servo	China/Japan	VEICHI/SANYO	
6	Guide rail	Taiwan	HIWIN	
7	Ball screw	Taiwan	TBI	
8	Miniature relay	France	Schneider	
9	Ac contactor	France	Schneider	
10	Button	France	Schneider	
11	Electrical components	France	Schneider	
12	Reducer	France	MOTOREDUCER	

Technical Parameters and Specification

No.	Model		Unit	AG-1500
1	Bending Length		mm	1500
2	Plate Length		mm	1600
3	Plate Width		mm	1250
4	Bending Height		mm	175/200
5	Min Forming Size(Four sides)		mm	300*200
6	Min Forming Size(One side)		mm	200
7	Min Radius		mm	1.2
8	Bending Speed		s	0.5/ Bend
9	Opening Height		mm	180
10	Angle		°	0-180°
11	Material Thickness		mm	aluminum : 2.0 carbon steel : 1.5 stainless steel : 1.2
12	Numerical System			Star300-LGx
13	Operating System		OS	Win7+OS
14	Axis		axis	regular:10 Optional :11/12
15	Machine Dimension	Length	mm	3370
		Width	mm	1890
		Height	mm	2650
16	Machine Weight		kg	8000

Bending samples display

Stainless steel furniture



Light case



Metal curtain wall and ceiling



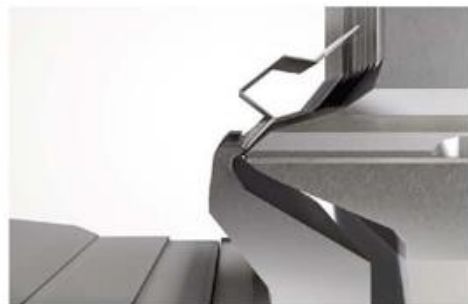
Electrical control box



Catering kitchen



Bend up



Bend down



Flattening and bending



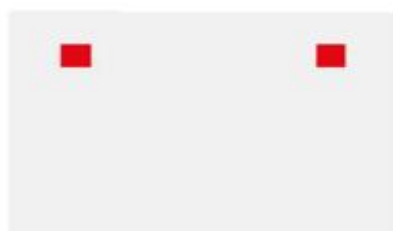
Sheet positioning system



Tail positioning

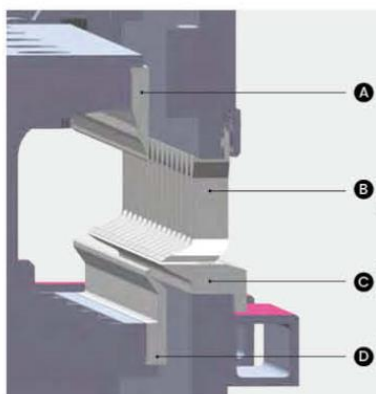
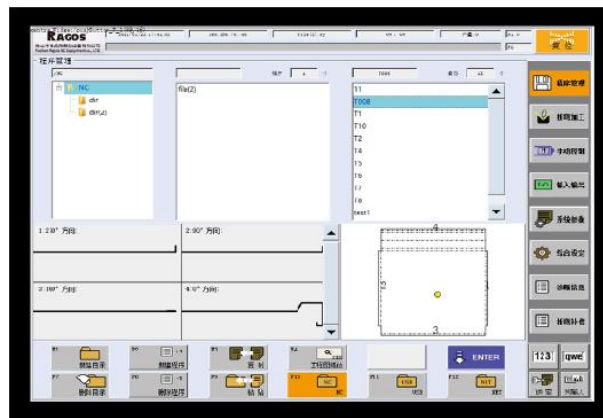
Plate pre-positioning

Final positioning

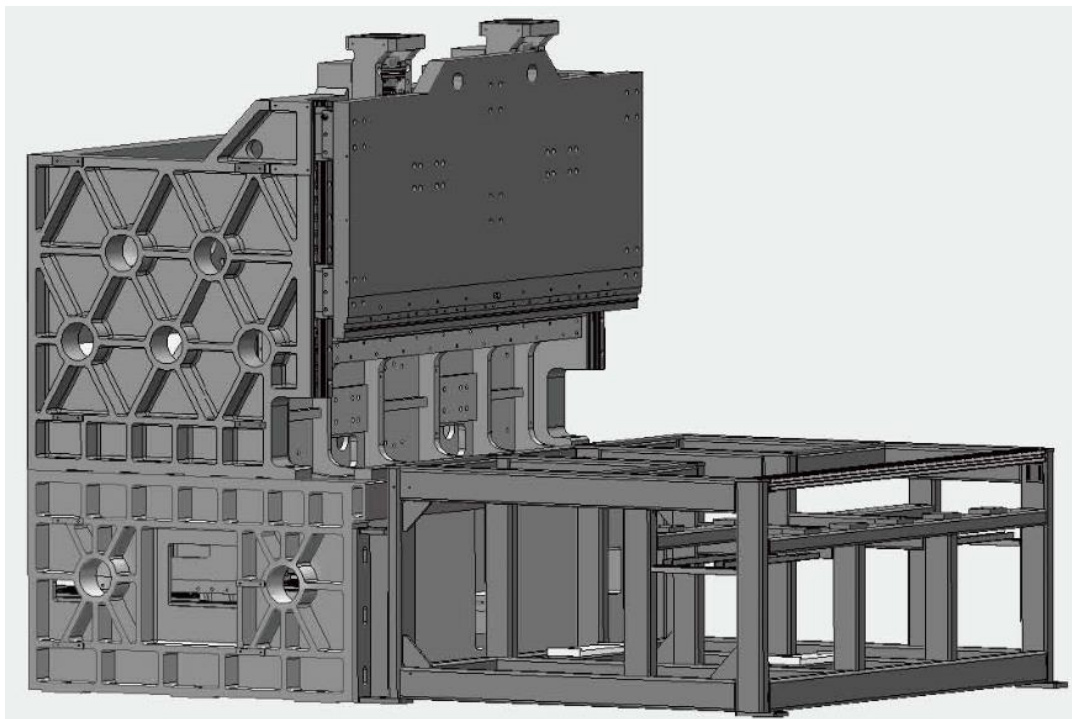


CNC SYSTEM

Operation interface

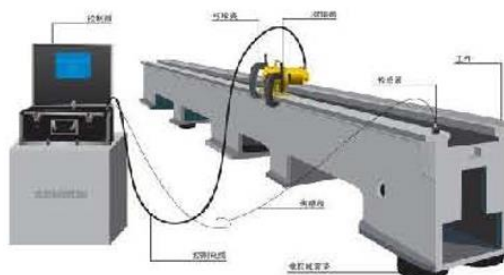


- A** general mold up
- B** Material pressing device
- C** Tightening device
- D** Under general mold down



Cast machine body (featuring stable structure, small deformation and high precision)

Machine tool technology



Vibration aging

To eliminate the internal stress of workpiece, ensure that the machine works for a long time with high precision.



Finished machining

Owned large horizontal gantry milling machines for meeting Ragos precise machining requirements, also ensure high quality installation base.



Natural aging

Machine frames need to be placed naturally for 6 months to release stress from heat treatment, which is to get stable accuracy and higher rigidity.

Quality inspection

1. Cleaning and inspection of parts before assembly, including racks, molds, work surfaces, etc. Ultrasonic cleaning is used, and the hardness of the mold is tested, and important parts are performed three-coordinate inspection.



2. During assembly, professional and technical personnel will assemble and clean each part and apply butter. Lubrication, precise installation in accordance with advanced procedures, and dial gauge adjustment to that all components are installed properly.

3. After the assembly is completed, perform processing tests on the machine in accordance with the process requirements to ensure the action of the machine is complete and there is no abnormal noise.

4. After the test run, the machine shall be further debugged and inspected, and the electric power of the machine shall be checked the operation of the device and the system and adjust the system parameters. For upper and lower knives, workbenches, suction final commissioning and accuracy testing of the pan, positioning system and oil circuit system.



Spare Parts and Accompanying Documents

NO	Name	Model	Quantity	
1	Toolbox		1	
2	Open-end wrench	M29	1	
3	Open-end wrench	M14	1	
4	Aluminum rod		1	
5	inner hexagon		1	
6	Hammer		1	
7	Machine Mattress Board		4	
8	Cable		5	
9	System Operation Manual		1	

Installation and Training teaching

The purchaser assigns personnel to participate in on-site equipment training.

On-site equipment operation training, the training content includes equipment operation, equipment maintenance, operating system explanation, etc.

After-sales Services**1. warranty period:**

Within 12 months after installation and commissioning

2. Warranty scope:

A. During the warranty period, the malfunction of the machine during normal operation will be repaired free of charge ;

B. Parts damaged during normal operation are repaired or replaced free of charge ;

3. Out of warranty:

A. Man-made damage

B. Repair by yourself without consent

C. Force majeure, such as: war, fire, typhoon, flood, earthquake

A world map in light gray with the word "RAGOS" in large, bold, black letters overlaid. The letter "R" has a red dot on its top curve. To the right of the word, the map of China is highlighted in red.

RAGOS

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