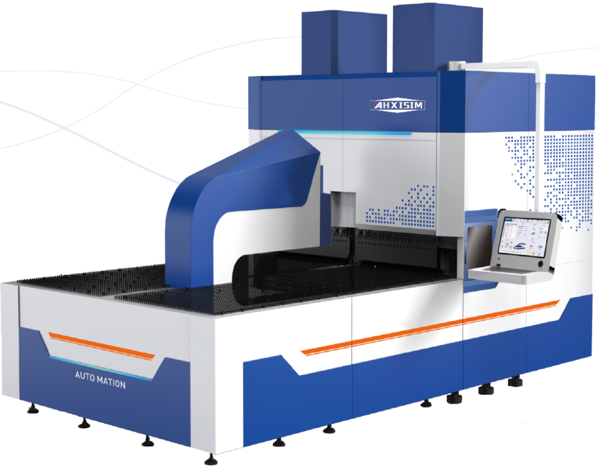
AHXISIM



INTELLIGENT BENDING CENTER

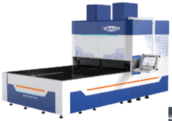
Sheet Metal Solution · Fully Automated Equipment

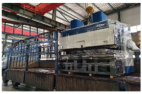
Anhui Hisman Intelligent Equipment Manufacture Co., Ltd.

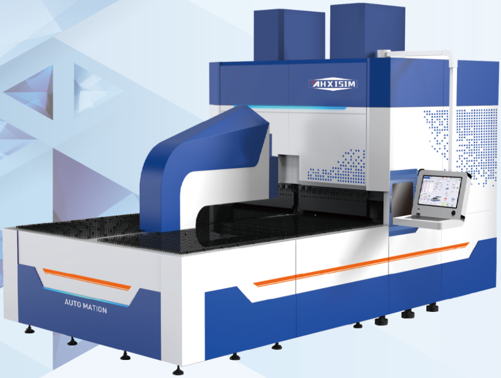
COMPANY PROFILE

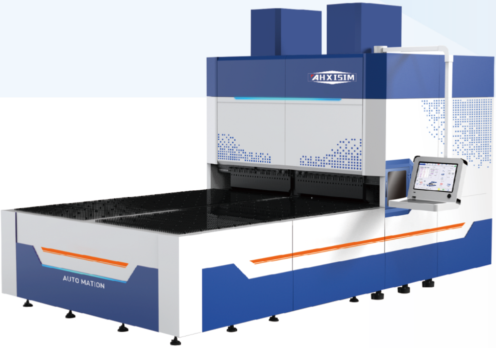
ANHUI HISMAN Intelligent Equipment Manufacture Co., Ltd. is located in A-8# Dahe Industrial park, Bowang Town, Bowang District, Ma'anshan City, Anhui Province,China. It mainly produces sheet metal mechanical equipment and ventilation pipe equipment. Its main products are as follows: bending center,press brake,handheld laser welding machine and other mechanical equipment and accessories. The products are widely used in sheet metal processing, decoration, metallurgy, shipbuilding, automobile, machinery, aviation and other professional production fields. With stable product quality and continuous growth, it is committed to becoming an advanced enterprise in the domestic medium and high-end sheet metal processing and forming machine tool industry.

FW
FangWeiMuju
®
AHXISIM
Fangwei Press Brake Tooling Co.,Ltd
Anhui Hisman Intelligent EquiPment Manufacture Co.,Ltd









	XSM-A2	XSM-B1	XSM-B1	XSM-B2	XSM-C2	XSM-D2	XSM-E2
Max. bending speed	0.2s/knife	0.2s/knife	0.2s/knife	0.2s/knife	0.3s/knife	0.5s/knife	0.6s/knife
Max. bending length (cm)	100*100	140*125	140*125	160*125	200*150	250*150	320*150
Max. bending heigh (mm)	170/210	170/300	170/300	170/300	170/300	170/300	170/210
Feeding method	Press arm type	Suction cup type	Press arm type	Press arm type	Press arm type	Press arm type	Press arm type
Feeding table	Brush, universal ball	Brush, universal ball	Brush, universal ball	Brush, universal ball	Brush, universal ball	Brush, universal ball	Brush, universal ball
Lubrication pipeline	Copper pipe	Copper pipe	Copper pipe	Copper pipe	Copper pipe	Copper pipe	Copper pipe
Min. bending thickness (mm)	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Min. four-sided forming size	200*280mm	200*280mm	200*280mm	200*280mm	200*280mm	200*280mm	200*280mm
Single-sided forming	150mm	150mm	150mm	150mm	150mm	150mm	150mm
Hinge knife	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Advanced command	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Arc command	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Replacement of suction cup assembly width		Standard					
Suction cup group lifting		Optional					
Press foot lifting	Optional	Optional	Optional	Optional	Optional	Optional	Optional
C-axis lifting	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Automatic lubrication function	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Bias load detection function	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Bias load follow-up function	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Plate thickness detection function	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Automatic feeding interface	Standard	Standard	Standard	Standard	Standard	Standard	Standard
High speed control module	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Flattening function	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Up/Down pressed dead edge	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Knife adjustment device	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Hand wheel	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Cloud-based management function	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Rated voltage	380V	380V	380V	380V	380V	380V	380V
Max.bending thickness (mm)	Stainless steel 1.0 Cold plate 1.2 Aluminum plate 1.5	Stainless steel 1.2 Cold plate 2.0 Aluminum plate 2.5	Stainless steel 1.2 Cold plate 2.0 Aluminum plate 2.5	Stainless steel 1.2 Cold plate 2.0 Aluminum plate 2.5	Stainless steel 1.2 Cold plate 2.0 Aluminum plate 2.5	Stainless steel 1.2 Cold plate 2.0 Aluminum plate 2.5	Stainless steel 1.2 Cold plate 2.0 Aluminum plate 2.5
Dimensions (cm)	L*W*H 310*150*280	L*W*H 350*200*280	L*W*H 450*200*280	L*W*H 450*250*280	L*W*H 510*270*280	L*W*H 570*310*280	L*W*H 700*380*280

ROBOCUT
管理提高效
LM 07

Product Features

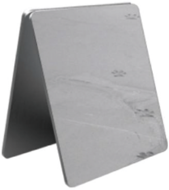
Diverse Bending Shapes

Compatible with multipie sheet sizes

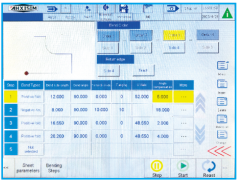
By simply assembling knives, bending of workpieces of different sizes can be achieved;

○ Stainless steel sheet

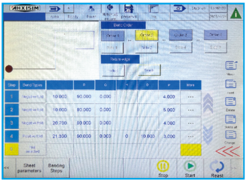
○ Aluminum sheet



○ Cold rolled sheet



Step	Bend Types	Bend side length	Bend angle	[illegible]	Flanging	U Yield	Angle compensation	More
1	Positive fold	12.000	90.000	0.000	0	52.000	5.000	···
2	Negative Arc	8.000	90.000	10.000	10		18.000	···
3	Positive fold	16.550	90.000	0.000	0	48.550	2.000	···
4	Positive fold	20.200	90.000	0.000	0	48.550	4.000	···
5	Not selected							···

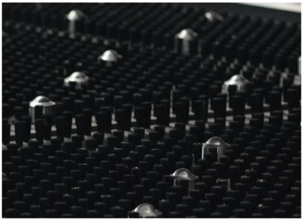


Step	Bend Types		R	Q	H	D	P	More
1	Negative fold	10.000	90.000	0.000			4.000	···
2	Negative fold	10.000	90.000	0.000			5.000	···
3	Negative fold	20.700	90.000	0.000			4.000	···
4	Positive fold	21.300	90.000	0.000	0	10.000	3.000	···
5	Not selected							···

Graphical programming is easy to learn

Through graphical programming, various bending shapes can be achieved by combining simple bending actions. Ordinary workers can learn in 2 hours.

High bending accuracy



High equipment system accuracy

The minimum accuracy of the system is 0.001mm, and the minimum unit of axis movement distance is 0.001mm.Can provide precise compensation for workpiece accuracy.

Automatic positioning of sheet metal

Plate automatic positioning, simply place the plate in the approximate position, and the three rulers automatically support the positioning. According to the shape of the workpiece, different positioning benchmarks can be selected to control the cutting error of the sheet metal at the first bending edge, ensuring the accuracy of the formed size.

Product Feature -
Fast Bending Speed

The fastest bending speed is 0.2 seconds/time

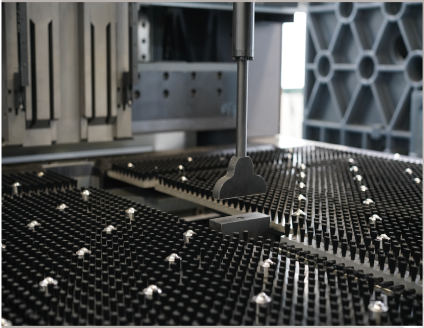
The cutting speed, rotation speed, and bending speed can be adjusted; The fastest bending speed can reach 0.2 seconds per knife.

Continuous edge bending reduces bending cycle time

The system provides automatic positioning function for sheet metal, using a CNC positioning device for automatic positioning, completing multilateral bending in one positioning, and shortening the bending cycle time.

ADVANTAGES

Product Features
- Dual C-axis Automatic Follow System



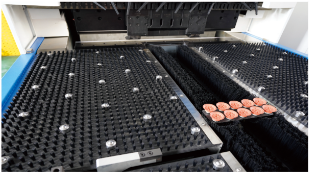
Dual C-axis oblique borrowing mode

For special structural workpieces, such as water tank structures, the bending process of the workpiece can be achieved through automatic dual C-axis oblique borrowing.

Dual C-axis automatic follow

When the upper and lower jaws press the sheet metal, the lower C-axis rotates with the workpiece, and the upper C-axis automatically follows the lower C-axis to achieve synchronization and tightly grasp the workpiece.

Product Features
- Compatible Loading and Unloading Modes



Multiple loading and unloading modes available

1 Manual loading and unloading

2 Self driving integrated robotic arm loading and unloading

3 Single arm robotic arm+quilting frame loading and unloading

4 Single arm robotic arm loading and unloading

Product Features
- Stable Performance and Long Life

Standard design of high-precision machine tools

High grade castings (QT500-7 and gray iron 250), with high standard full welding process, strict stress relief treatment, precision machining, and high-precision assembly.

Strict testing and selection of components

The components used in the assembly of the entire machine have undergone strict selection, rigorous testing, and long-term baking. The key components have undergone three years of matching and replacement.

More stable production performance

The first generation model has been tested and produced for over three years, and its performance is stable and widely praised. Subsequent models will be upgraded and iterated on this basis, with more complete functions and performance.

Product Features

Safety Self Test Function

Folding front self inspection system

The system provides graphical visualization error detection programming, and can simulate the bending of the workpiece before bending. If the parameter settings are abnormal, the system will terminate the user's bending operation. Users can adjust the corresponding bending parameters according to the error content prompted by the system, effectively preventing the occurrence of incorrect bending and bending.

Plate thickness detection system

The system provides a plate thickness detection system. When the workpiece enters the pressure zone, the workpiece thickness will be detected in real-time during the pressing process of the pressure knife. When the actual thickness of the detected workpiece is inconsistent with the program thickness, the system will immediately terminate the bending and prompt the user. The user does not need to worry about taking the wrong workpiece and damaging the workpiece.

Partial load protection system

The bias load protection system of the pressing module will immediately respond to terminate bending and notify the user when the user accidentally places the workpiece in the wrong position of the pressing tool, or if the workpiece is non-standard (especially severe burrs, etc.), which will seriously affect the inconsistency of the pressing tool dual drive.

Partial load bending system

The system provides partial load bending function, which can still bend the workpiece normally when it is not in the center. The remote motor module can automatically follow, which can achieve more complex workpiece bending. Users do not need to worry about equipment damage or damage caused by this.

Collision protection system

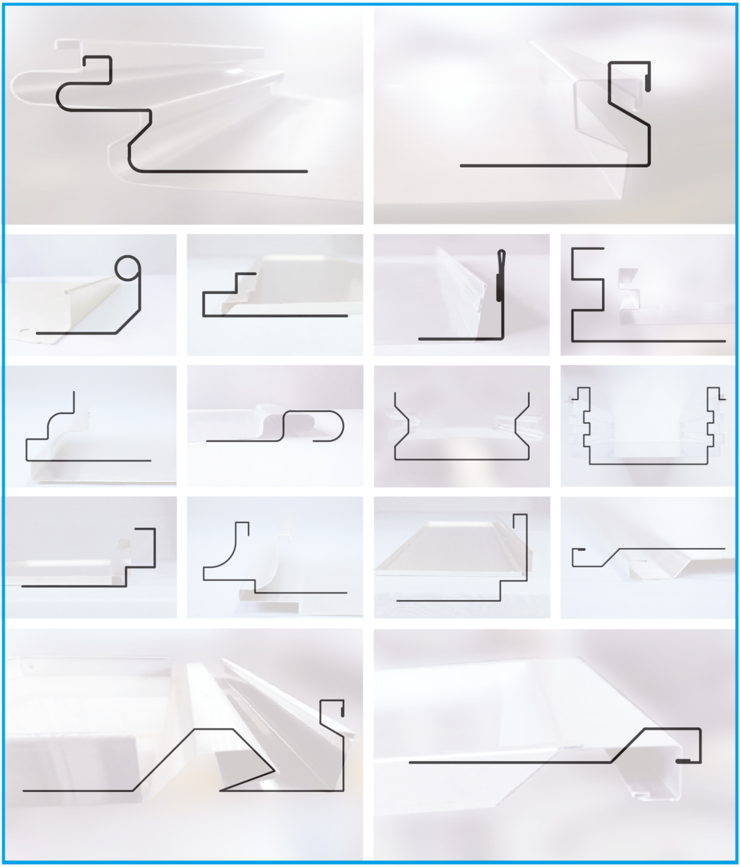
The system provides collision protection function for each axis, so users do not need to worry about internal collision of the bending machine during the bending process, which may cause equipment damage or abnormalities. The system will predict whether there will be interference at the position where each axis travels. If there is interference, it will immediately terminate and prompt the user.

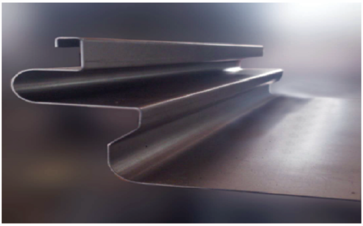
Fuel supply detection system

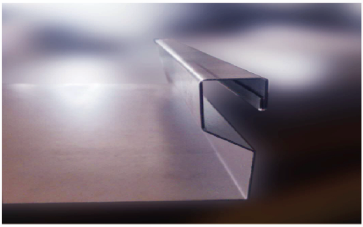
The system provides automatic oil supply system and oil tank shortage detection prompt function. When the equipment has abnormal oil supply or oil shortage, the system will automatically alert. Users do not need to worry about core components such as equipment motors, bearings, and screw rods being damaged or affecting their service life due to a lack of oil lubrication.

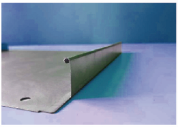
Workpiece Gallery

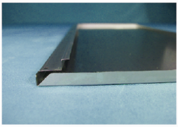
- Real Fold Shape Display

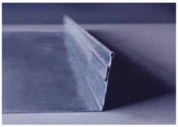


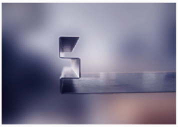


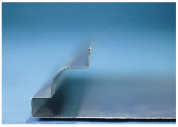


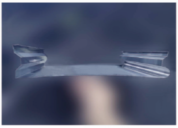


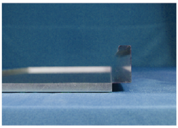


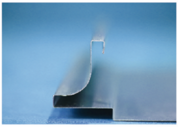


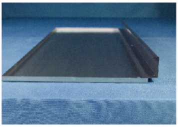


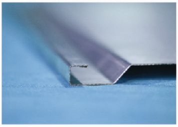


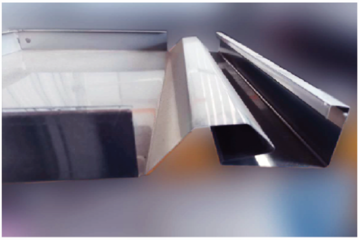


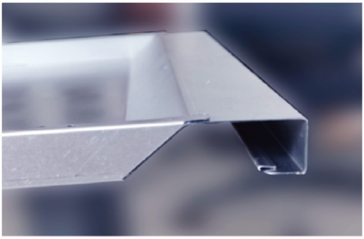










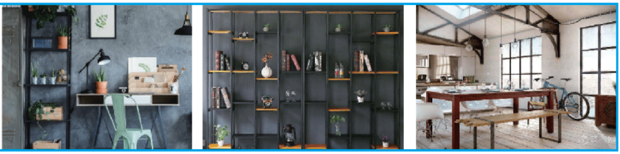


Application Scenario

The file cabinet

Electrical cabinet

Kitchenware


Furniture

Decoration

Ventilation、Refrigeration、Elevator、Automotive industry、Door industry...

ADVANTAGES OF AHXISIM SERVICES

Professional Service

The service is provided by personnel who have received specialized guidance, and their high level of familiarity with the equipment enables service personnel to make the most accurate judgments quickly and provide the most efficient service; The quality of the products provided can be fully guaranteed.

Fast information

Being able to provide information on component and equipment upgrades in the first place ensures customers' right to know as soon as possible, making the corresponding time more abundant and more leisurely.

Reasonable fees

As a legitimate mechanical equipment manufacturer, AHXISIM is completely transparent in terms of pricing, providing detailed details when quoting, and issuing a formal invoice after the equipment is sold.

Pre-sales and after-sales service

The charges are reasonable

Information fast

R & D and production

AHXISIM's Advantages

Professional · Focused

Bending center, with over ten years of professional research and development, production and technical team.

Enthusiastic service

Independent sales team and experienced after-sales service personnel provide professional services.

Core technology

Possessing core patented technology, independent intellectual property rights, and strong bending center transformation capabilities.

CORE ADVANTAGES

Date:

AHXISIM

FW FangWeiMuJU®

ANHUI HISMAN Intelligent Equipment Manufacture Co., Ltd.

Intelligent Equipment · Sheet Metal Solution · Mould Manufacturing · Control System

CONTACT US

☎ Tel: +86-05556776471
Fax: +86-05556765075

🌐 Homepage: www.ahxisim.com
Alibaba: ahxisim.en.alibaba.com

✉ Mail: info@ahhisman.com

📍 ADD: A-8# Dahe Industrial park, Bowang Town, Bowang District,
Ma'anshan City,Anhui Province,China

LEADING THE FUTURE