安徽BLKMA重型机械科技有限公司位于中国机械行业的中心，马鞍山市当涂区东城工业园。距离南京禄口机场仅20公里，连接苏，浙，沪，交通便利。公司创立于1994年，是风管行业的一家领军企业。

公司专业从事专业生产及销售板金及通风设备、风机生产及、制管及法兰生产及、剪板机、折边机、合缝机、螺旋风管机、等离子切割机、咬口机、共板法兰机、压型机、楼梯卷板机、角铁弯圆机、牛头刨等产品，广泛应用与风管、集美、机械、航空等专业生产领域。产品质优价廉，已成为国内中高端金属板材成形机械行业领军企业。

安徽BLKMA重型机械坚持技术创新，定位于“质量求生存，诚信为根本”，在长期销售高水准数控机床的过程中，不断探索和开发新产品，同时培养了一批技师和工程师，拥有自己的研发机构，具有较强的产品研究、开发能力之一。

安徽BLKMA重型机械专注于出口业务，通过CE认证的产品远销东南亚、欧盟、南美、中东等各类市场，以优良的品质、合理的价格、完善的服务赢得了客户的普遍欢迎和一致认可。“您的成功就是我们的追求”是公司的目标和企业精神，期待海内外朋友惠顾指导。
INTEGRITY TO WIN THE HONOR
QUALITY SEEK MARKET

SALES NETWORK

完善的服务体系
Improve the service system

为了客户的满意，我们不懈地追求

承诺：对用户实行48小时服务到位。用户想不到的事我们想到了，客户想不到的事我们主动做了，使用户对黑马系列产品的质量、服务、质量放心不疑。

We are relentless in pursuit of customer satisfaction.
Commitment: 48 hours of service to customers.

We think of things others have to think
that customers do not want to do or do not want to do.

We are producting below ranges of machines:

- Auto duct production line
- Rectangular duct making machine
- Round/Spiral duct forming machine

BLKMA strives for zero errors, high speed & accuracy,
To Make you best solution!

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U SHAPE AUTO DUCT LINE 5

Performance Features

1. The machine is U-shaped, easy to install and it's suitable for small sized or medium-sized work shops because it occupies a small space.
2. The injection holes are used at both ends of the driven shaft, to enhance the bending line.
3. Power bending function is used to prevent generating the vantage and make sure perfect bending accuracy.
4. It only takes 20-25 seconds to make one U-shaped workpiece and the efficiency will double comparing with the lintype.
5. Without moving back and forth the fixed bending machine is able to Improve the efficiency.
6. All the rolling rings are made with forming steel so that the bending precision by more than 5 times.
7. Under the material-saving mode of CNC system, wastage is less than 20mm per rail.
8. With production memory function, the production orders can be tracked and checked.

Function

It's mainly for T,TFu angle steel C-shaped flange forming, with daily processing capability of 10000-20000 square meters, only with inputting dimensions in duct, production line can automatically complete uncoiling, winding, bending, punching, shearing, locking, forming T/Tf u angle steel C-shaped flange and folding.

<table>
<thead>
<tr>
<th>Model Type</th>
<th>Sheet Thickness</th>
<th>Max Width</th>
<th>Max Working Speed</th>
<th>Color</th>
<th>Max Length</th>
<th>L/M</th>
<th>V/M</th>
<th>H/M</th>
<th>Power</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGL-SU-1200</td>
<td>0.5-1.2</td>
<td>1500</td>
<td>15</td>
<td>7</td>
<td>12000</td>
<td>35</td>
<td>350</td>
<td>5500</td>
<td>30</td>
<td>13</td>
</tr>
<tr>
<td>AGL-SU-1500</td>
<td>0.5-1.2</td>
<td>1500</td>
<td>15</td>
<td>7</td>
<td>15000</td>
<td>350</td>
<td>350</td>
<td>5500</td>
<td>30</td>
<td>14</td>
</tr>
</tbody>
</table>

www.blkma.com PAGE 02
**U SHAPE AUTO DUCT LINE 5**

**Imported Configuration**
- 1. Three-electric rolling machine (5-7 pieces)
- 2. Japan Mitsuishi NC system
- 3. Taiwan LCL linear guideways
- 4. Schneider electrical system
- 5. Automatic cutting system

**Basic Configuration**
- 1. Two-drum finishing machine (5-7 pieces)
- 2. One-drum finishing machine (5-7 pieces)
- 3. One-drum finishing machine
- 4. Two-stainless steel roller conveyer platforms
- 5. One-air-bearing air supply
- 6. One-drum finishing machine
- 7. One-drum finishing machine
- 8. One-air-bearing air supply
- 9. One-hydraulic bending machine
- 10. One-drum finishing machine
- 11. One-air-bearing air supply
- 12. One-hydraulic bending machine
- 13. One-drum finishing machine

**Working Schematic Diagram**

**Work Flow**

---

www.blkma.com PAGE 04
Auto Duct Line 5

Function – 功能

It's mainly for TDF single shape U-shaped flange forming with daily processing capability of 600-2000 square meters, only with inputting dimensions in duct production line can automatically complete punching, leveling, cutting, punching, shearing, bending, forming TDF single shape U-shaped flange and welding.

Performance Features 性能特点

1. The linear structure of machine has the advantage of processing smoothly and occupying a small space.
2. All the errors are made of bearing steel so that the lifetime prolongs by more than 3 times.
3. Under the modulation and mode of control system, quality losses are reduced to less than 0.1%
4. The injection holes are used at both ends of the drive shaft, to enhance the bearing life.
5. Power bending function is added to prevent generating the warpage and make sure perfect bending accuracy.
6. It requires at least one person to operate and each shift can output 600-2000.
7. With production memory functions, the production orders can be tracked and checked.

Imported Configuration 进口配置

| 1. | Cylinders imported from Germany Festo |
| 2. | Beijing Huda press hydraulic system from Taiwan |
| 3. | Japanese rotary encoder |
| 4. | Taiwan Hainan linear guideways |
| 5. | Schneider electrical system |

Basic Configuration 基本配置

| 1. | Two electric coil middle material tongs (5-7 each) |
| 2. | One rack |
| 3. | One host (Line 2 host) |
| 4. | One mechanical arm clothing locating and transferring |
| 5. | One displacement type holding machine |

Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Sheet thickness (mm)</th>
<th>Max width of duct (mm)</th>
<th>Max working speed (m/min)</th>
<th>Color max weight (kg)</th>
<th>Dimensional accuracy (mm)</th>
<th>Power (kW)</th>
<th>Weight (t)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADL-5-1300</td>
<td>0.5-1.2</td>
<td>900-1200</td>
<td>15</td>
<td>7</td>
<td>22000</td>
<td>1200</td>
<td>1300</td>
</tr>
<tr>
<td>ADL-5-1500</td>
<td>0.5-1.2</td>
<td>900-1500</td>
<td>15</td>
<td>7</td>
<td>23000</td>
<td>1600</td>
<td>1500</td>
</tr>
</tbody>
</table>
**Auto Duct Line 4**

**Advantages of products 产品优势**

1. The latest design can resolve the problems like getting stuck, too many epicaps from roll shearing, displacement lock machine.
2. The three-line bending function can step narrow edges and stable press 0.5-1.2 mm galvanized sheet to avoid wasting.

**Performance Features 性能特点**

1. All the rolling reels are made of bearing steel so that the lifetime prolongs by more than 5 times.
2. The injection hose used at both ends of the driven shaft, to enhance the bearing life.
3. Under the material-saving mode of CNC system, machine can withdraw material automatically after finishing tasks.
4. With production memory functions, the production orders can be tracked and checked.

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Sheet Thickness (mm)</th>
<th>Max. Width of Coil (mm)</th>
<th>Max. Working Speed (m/min)</th>
<th>Cold/Hot Material</th>
<th>Manual/NC</th>
<th>Power Source</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADL-4-1250</td>
<td>0.5-1.2</td>
<td>1500</td>
<td>15</td>
<td>7</td>
<td>18000</td>
<td>2000</td>
<td>1000</td>
</tr>
<tr>
<td>ADL-4-1500</td>
<td>0.5-1.2</td>
<td>1500</td>
<td>15</td>
<td>7</td>
<td>18000</td>
<td>2000</td>
<td>1500</td>
</tr>
</tbody>
</table>
AUTO DUCT LINE 4

Function - 功能

It's mainly for uncoiling, leveling, bending, punching, locking, bilaterally angle steel or TDF flange forming. Because of its small space requirement and easy to install and operate, people also call it "small line 4".

主要适用于拉料、展平、压型、冲孔、合缝等各种加工，设备占地面积小，操作简便，是小空间的首推设备。

Working Schematic Diagram 工作示意图

Work Flow 功能流程图
**Performance Features**

1. Aluminum alloy suspension arm makes the machine easy to operate.
2. The built-in control cabinet reduces wiring as a whole structure and makes it easy to move.
3. The imported configuration is very stable and convenient to use.

**Function**

Duct production line 3 can achieve blanking for duct. Meanwhile, it's very suitable for multi-production like TDF angle steel inserted flange forming. The angle steel flange and inserted flange can be bent into square-shaped pipe automatically.

风管生产三线可以实现风管断料下料，同时非常适用于TDF和角钢法兰及螺纹法兰的多系列生产。角钢法兰与螺纹法兰可以自动折弯成形。

---

**Imported Configuration**

1. **Japan Hitachi**
   - Schneider electrical system
2. **Beijing Haidai**
   - Pneumatic system from Taiwan
3. **Japan**
   - Omron encoder

**Basic Configuration**

1. **One**
   - Electric coil cradles, 2 material trays
2. **One**
   - Set of leveling and beading equipment
3. **One**
   - Hydraulic shearing machine with four seats of die

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**Working Schematic Diagram**

[Diagram showing the working schematic of the auto duct line 3]

---

**Work Flow**

[Diagram showing the functional flow of the auto duct line 3]

---

**Specifications**

<table>
<thead>
<tr>
<th>Model</th>
<th>Sheet thickness (mm)</th>
<th>Max. width (mm)</th>
<th>Max. working speed (m/min)</th>
<th>Inner radius max. (mm)</th>
<th>Dimensions (mm)</th>
<th>Power (KW)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADL-3-1300</td>
<td>0.5-1.2</td>
<td>1300</td>
<td>15</td>
<td>7</td>
<td>1200</td>
<td>1110</td>
<td>1360</td>
</tr>
<tr>
<td>ADL-3-1500</td>
<td>0.5-1.2</td>
<td>1500</td>
<td>15</td>
<td>7</td>
<td>1500</td>
<td>1110</td>
<td>1360</td>
</tr>
</tbody>
</table>
AUTO DUCT LINE 2

Performance Features 性能特点

1. Aluminum alloy suspension arm makes the machine easy to operate.
2. The built-in control cabinet reduces wiring as a whole structure and makes it easy to move.
3. The imported configuration is very stable and convenient to use.

Function 功能

Duct production line 2 can complete blanking for duct and TDF flange forming machine at the same time. Combined with TDF flange forming machine, lock forming machine, folding machine and relevant corner code, duct production line 2 can produce high-quality products.

Working Schematic Diagram 工作示意图

<table>
<thead>
<tr>
<th>Model</th>
<th>Sheet thickness (mm)</th>
<th>Max. width (mm)</th>
<th>Max. working speed (m/min)</th>
<th>Center max. weight (kg)</th>
<th>Dimensions (LxWxH) (mm)</th>
<th>Power (kW)</th>
<th>Weight (T)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADL-2-13000</td>
<td>0.5-5.2</td>
<td>1250</td>
<td>15</td>
<td>7</td>
<td>1200 x 1200 x 1200</td>
<td>1.5</td>
<td>3.2</td>
</tr>
<tr>
<td>ADL-2-15000</td>
<td>0.5-5.2</td>
<td>1550</td>
<td>15</td>
<td>7</td>
<td>1500 x 1500 x 1500</td>
<td>1.5</td>
<td>3.7</td>
</tr>
</tbody>
</table>

www.blkma.com
CNC ANGLE STEEL FLANGE PRODUCTION LINE
数控角钢法兰生产线

Function – 功能

Fully automatic angle steel flange production line, or CNC angle steel flange production line, is mainly for punching and cutting duct angle steel flange. The machine is designed to feed, punch, cut automatically in order to save labor and improve efficiency. It's very fast, accurate and highly automatic.

性能特点

1. It's controlled by servo motor and its feeding dimensions are accurate.
2. It only requires input the size of workpiece, how many holes to punch when programming which is very easy to operate.
3. The new design mode can complete the angle steel switching rapidly, and the punch is durable.

ANGLE STEEL FLANGE PRODUCTION LINE
简易角钢法兰生产线

Function – 功能

Portable angle steel flange production line is mainly for punching and cutting duct angle steel flange. Cutter and punching die which are both made of Japan SK5 ETS fast and accurate. The new design mold can complete the angle steel switching within 5 seconds with the durable punch. Scale of angle steel to precision S angle steel.

性能特点

<table>
<thead>
<tr>
<th>Model</th>
<th>Punching range (mm)</th>
<th>Power (Kw)</th>
<th>Max (mm)</th>
<th>Min (mm)</th>
<th>Dimensions (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>X5-50</td>
<td>30-40/50 angle steel</td>
<td>5</td>
<td>500</td>
<td>500</td>
<td>3000×1200×1400</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model</th>
<th>Punching range (mm)</th>
<th>Power (Kw)</th>
<th>Weight (Kg)</th>
<th>Dimensions (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA-50</td>
<td>30/40/50 angle steel</td>
<td>2.2</td>
<td>180</td>
<td>450×500×1500</td>
</tr>
</tbody>
</table>
CNC PLASMA CUTTING MACHINE

Performance Features 性能特点

1. Vertical control cabinet with 10 inch touch screen (15 inch screen is optional)
2. Beijing STARHUB PADC02 control system
3. Generator of Huayuan (economy version)

4. Automatic high precision 16 inch touch screen (optional 15 inch screen - one machine)
5. Touch screen with high-speed drive (PU200)
6. Automatic high precision

Operation Flow 操作流程

Industry case 行业实例

Configuration briefly 配置简述

1. Using the widely praised NC cutting special control system, the function is powerful and easy to operate.
2. Unique cut wall height adjusting device, avoid cutting head and the iron disk contact plate cutting friction phenomena, make the operation more stable, greatly improve the cutting speed.
3. The use of closed and air duct expansion software, automatic generation of drawing, export processing procedures. The operator needs to do is to select the software in the required state of the wind pipe, enter the required size, and then export processing program to cut it, that is convenient and accurate and practical.

Industry case 行业实例

Application scenarios 图片展示

Configurations 配置参数

<table>
<thead>
<tr>
<th>Model</th>
<th>Machine Range</th>
<th>Sheet Thickness</th>
<th>Power (kw)</th>
<th>Dimensions (mm)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA-1300x3000</td>
<td>1300x3000</td>
<td>0.8-6</td>
<td>10</td>
<td>3700x1500x2400</td>
<td>900</td>
</tr>
<tr>
<td>BA-1500x4000</td>
<td>1500x4000</td>
<td>0.8-6</td>
<td>10</td>
<td>4700x2500x2400</td>
<td>1000</td>
</tr>
<tr>
<td>BA-1500x6000</td>
<td>1500x6000</td>
<td>0.8-6</td>
<td>10</td>
<td>5700x2500x2400</td>
<td>1100</td>
</tr>
</tbody>
</table>

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**TDF FLANGE FORMING MACHINE**

**Performance Features**  性能特点

TDF flange machine can be divided into three types according to the working requirements: single type T-12 and T-15, duplex type 2-8-12, single type T-12 and T-15 can form flange edge at one side and coping edge at the other side; duplex type 2-8-12 can form flange edge at both sides simultaneously to improve efficiency and save time. Additionally, duplex type can add flange edge or coping edge outside at either side, but company would preferably introduce high-strength rolling edge made of 8.8, a kind of steel which prolongs the machine life by more than 5 times and outputs stainless steel flange edge.

**DUPLEX TDF FLANGE FORMING MACHINE**

**Performance Features**  性能特点

Duplex tdf flange forming machine can form flange at two sides of duct simultaneously. Its double-sided driven and able to meet most of the requirements of high load and high accuracy with linear guideways of Taiwan brand. Compared with single type, duplex type helps to improve efficiency, reduce delivery duration and save up labor; our company would specially introduce high-strength rolling edge made of 8.8, a kind of steel which prolongs the machine life by more than 5 times and outputs stainless steel flange edge.

---

**Table:**

<table>
<thead>
<tr>
<th>Model</th>
<th>Power (KW)</th>
<th>Thickness (mm)</th>
<th>Form</th>
<th>Weight (Kg)</th>
<th>Dimensions (W<em>H</em>L mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-12</td>
<td>3</td>
<td>0.1~1.2</td>
<td></td>
<td>840</td>
<td>2650x300x1110</td>
</tr>
<tr>
<td>T-15</td>
<td>3</td>
<td>0.8~1.5</td>
<td></td>
<td>840</td>
<td>2550x300x1110</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model</th>
<th>Power of motor (KW)</th>
<th>Pressure plate thickness (mm)</th>
<th>Form</th>
<th>Weight (Kg)</th>
<th>Dimensions (W<em>H</em>L mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-12-2</td>
<td>4</td>
<td>0.5~1.2</td>
<td></td>
<td>2000</td>
<td>2450x250x1130</td>
</tr>
<tr>
<td>T-15-2</td>
<td>5.5</td>
<td>0.8~1.5</td>
<td></td>
<td>2000</td>
<td>2450x250x1130</td>
</tr>
</tbody>
</table>
MULTI FUNCTION LOCK FORMING MACHINE

性能特点

Lock forming machine is necessary in duct area because it can produce all kinds of types to meet locking requirements. Standard machine can process 0.5-1.5mm galvanized sheet metal, and our company has specially introduced high-strength rolling reeds made of GCr15, a kind of steel which prolongs the machine life by more than 3 times and improves the efficiency dramatically.

By using the rolling reeds, we can make the lock forming machine suitable for all kinds of ducts. The machine is more suitable for 0.8-1.5mm duct forming, which can work with different ducts and different ventilation systems. The forming lock should be processed by the machine, which will improve the efficiency for both forming and lock forming.

<table>
<thead>
<tr>
<th>产品型号</th>
<th>型号</th>
<th>板厚mm</th>
<th>功率kw</th>
<th>冲压形状</th>
<th>规格尺寸（长×宽×高）</th>
<th>重量</th>
<th>尺寸</th>
<th>成型孔直径mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>S4-124B</td>
<td>1.2</td>
<td>1.5</td>
<td></td>
<td></td>
<td>220</td>
<td>100×610×600</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4-154B</td>
<td>1.5</td>
<td>3</td>
<td></td>
<td></td>
<td>250</td>
<td>120×610×600</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4-128</td>
<td>1.2</td>
<td>1.5</td>
<td></td>
<td></td>
<td>220</td>
<td>100×610×600</td>
<td></td>
<td></td>
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<tr>
<td>S4-128</td>
<td>1.2</td>
<td>3</td>
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<td></td>
<td></td>
<td>120×610×600</td>
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<tr>
<td>S4-122C</td>
<td>1.2</td>
<td>1.5</td>
<td></td>
<td></td>
<td>220</td>
<td>100×610×600</td>
<td></td>
<td></td>
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<tr>
<td>S4-125C</td>
<td>1.5</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td>120×610×600</td>
<td></td>
<td></td>
</tr>
<tr>
<td>KX1-12</td>
<td>1.5</td>
<td>2.2</td>
<td></td>
<td></td>
<td>380</td>
<td>120×610×600</td>
<td></td>
<td></td>
</tr>
<tr>
<td>KX1-15</td>
<td>1.5</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td>120×610×600</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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PNEUMATIC FOLDING MACHINE
气动折边机

PNEUMATIC FOLDING MACHINE
气动折边机

HYDRAULIC FOLDING MACHINE
液压折边机

TDF FLANGE FOLDING MACHINE
共板折边机

HAND FOLDING MACHINE
手板折边机

**Performance Features 性能特点**

**Performance Features 性能特点**

**Performance Features 性能特点**

**Performance Features 性能特点**

The above 6 devices can form a simple square tube production line, which is widely used and the highest cost-effective duct line in the current market. It is the first choice of the operation on site because this line is easy to operate and move.

以上6台设备可以组成的简单的方管生产线，是目前市场上应用最为广泛且性价比较高的生产线之一。在工地现场操作，此生产线灵活、方便，是工地操作的第一选择。

Performance Features 性能特点

This machine is able to bend the flange sheet metal to get three folds, and it’s also considered as a general crimping machine.

本机可对法兰边进行3道折弯，又可作为通用压筋机使用。

Performance Features 性能特点

It's suitable for duct manufacturing in the mobile sites or forming thin iron metals. It’s fast, energy-saving and cost-effective.

适用于移动工地的风管制作及五模薄铁板的成型加工。快速、节能、性价比高。

Performance Features 性能特点

<table>
<thead>
<tr>
<th>Model</th>
<th>Folding angle</th>
<th>Weight</th>
<th>Dimension</th>
</tr>
</thead>
<tbody>
<tr>
<td>TDF-1.5x1300</td>
<td>60°</td>
<td>350</td>
<td>2000x800x1300</td>
</tr>
<tr>
<td>TDF-1.5x2000</td>
<td>60°</td>
<td>500</td>
<td>2700x800x1300</td>
</tr>
<tr>
<td>TDF-1.5x2500</td>
<td>60°</td>
<td>550</td>
<td>3200x800x1300</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model</th>
<th>Folding angle</th>
<th>Weight</th>
<th>Dimension</th>
</tr>
</thead>
<tbody>
<tr>
<td>TDF-1.5x1300</td>
<td>45°</td>
<td>400</td>
<td>1950x650x1350</td>
</tr>
<tr>
<td>TDF-1.5x2000</td>
<td>45°</td>
<td>600</td>
<td>2650x650x1350</td>
</tr>
<tr>
<td>TDF-1.5x2500</td>
<td>45°</td>
<td>700</td>
<td>3250x650x1350</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model</th>
<th>Folding angle</th>
<th>Weight</th>
<th>Dimension</th>
</tr>
</thead>
<tbody>
<tr>
<td>WS-1.5x1200</td>
<td>60°</td>
<td>400</td>
<td>1950x1200-1300</td>
</tr>
<tr>
<td>WS-1.5x1500</td>
<td>60°</td>
<td>400</td>
<td>2250x1200-1300</td>
</tr>
<tr>
<td>WS-1.5x2000</td>
<td>60°</td>
<td>500</td>
<td>2650x1200-1300</td>
</tr>
<tr>
<td>WS-1.5x2500</td>
<td>60°</td>
<td>600</td>
<td>3250x1200-1300</td>
</tr>
</tbody>
</table>
BEADING MACHINE

**Performance Features 性能特点**

Life 5 line 7 bead machines are used to make reinforced ribs in the duct area, and it can output 5 or 7 reinforced ribs at one time. Customers can customize multiple line bead machines according to different requirements.

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Processing Hole Diameter (mm)</th>
<th>Processing Hole Width (mm)</th>
<th>Power of Motor (kW)</th>
<th>Weight (kg)</th>
<th>Dimensions (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BS3500</td>
<td>1.5</td>
<td>1300</td>
<td>0.5</td>
<td>400</td>
<td>1150x800x1500</td>
</tr>
<tr>
<td>BS2000</td>
<td>1.2</td>
<td>2000</td>
<td>2.2</td>
<td>480</td>
<td>2000x800x1200</td>
</tr>
</tbody>
</table>

LEVELING BEADING MACHINE

**Performance Features 性能特点**

Leveling bead machines is a newly upgraded product of the 5 bead machines. Leveling sheet metal before outputting 5 reinforced ribs at one time makes the sheet metal more smooth and beautiful.

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Processing Hole Diameter (mm)</th>
<th>Processing Hole Width (mm)</th>
<th>Power of Motor (kW)</th>
<th>Weight (kg)</th>
<th>Dimensions (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BS0-1.6x100</td>
<td>1.6</td>
<td>1000</td>
<td>2.2</td>
<td>700</td>
<td>1500x1000x1050</td>
</tr>
</tbody>
</table>

REELSHEAR BEADING MACHINE

**Performance Features 性能特点**

Right shear bead machines, or rough bead scissors, is capable of shearing and beading, and it's also suitable for slitting.

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Sheet Thickness (mm)</th>
<th>Shear Length (mm)</th>
<th>Power of Motor (kW)</th>
<th>Weight (kg)</th>
<th>Dimensions (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC-35</td>
<td>0.5-1.2</td>
<td>100</td>
<td>1.5</td>
<td>200</td>
<td>1100x500x1200</td>
</tr>
</tbody>
</table>

HYDRAULIC RIVETING MACHINE

**Performance Features 性能特点**

It's widely used for fitting angle steel flange and galvanized sheet metal because the machine is easy to operate and move.

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Sheet Thickness (mm)</th>
<th>Sheet Length (mm)</th>
<th>Power of Motor (kW)</th>
<th>Weight (kg)</th>
<th>Dimensions (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DRU-0.9-1.2</td>
<td>400</td>
<td>100</td>
<td>1.5</td>
<td>65</td>
<td>1000x400x500</td>
</tr>
</tbody>
</table>

HYDRAULIC TDF CLIP CUTTING MACHINE

**Performance Features 性能特点**

The hydraulic TDF clip cutting machine is used to cut TDF flange. Maximum sheet thickness is 1.5mm. It's suitable for processing H/A beam due to easy operation and small size.

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Sheet Thickness (mm)</th>
<th>Sheet Length (mm)</th>
<th>Sheet Width (mm)</th>
<th>Weight (kg)</th>
<th>Dimensions (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-25</td>
<td>1.5</td>
<td>2.2</td>
<td>200</td>
<td>620x500x150</td>
<td></td>
</tr>
</tbody>
</table>

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**HYDRAULIC PNEUMATIC NOTCHING MACHINE**

**Performance Features** 性能特点

There are two types: hydraulic type and pneumatic type and it's used for notching or cutting a right angle on sheet metal.

<table>
<thead>
<tr>
<th>Model</th>
<th>Sheet Thickness (mm)</th>
<th>Angle Size (°)</th>
<th>Weight (kg)</th>
<th>Dimensions (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>YH-3200</td>
<td>1-3.2</td>
<td>90-90</td>
<td>550</td>
<td>1300x600x1100</td>
</tr>
<tr>
<td>QD-3.2</td>
<td>1-3.2</td>
<td>90-90</td>
<td>560</td>
<td>630x300x1000</td>
</tr>
</tbody>
</table>

**HYDRAULIC LOCK SEAMING MACHINE**

**Performance Features** 性能特点

It's used for locking rectangular duct within 1500 mm with PLC controlling and hydraulic driven sealing in tight, smooth, fast and safe.

<table>
<thead>
<tr>
<th>Model</th>
<th>Sheet Thickness (mm)</th>
<th>Max. Tube Length (mm)</th>
<th>Weight (kg)</th>
<th>Stroke (mm)</th>
<th>Dimensions (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLF-12</td>
<td>0-1.2</td>
<td>1800/1300</td>
<td>460</td>
<td>4</td>
<td>1000x550x300</td>
</tr>
</tbody>
</table>

**PNEUMATIC LOCK SEAMING MACHINE**

**Performance Features** 性能特点

It's used for locking rectangular duct within 1250 mm and pneumatic operation can save labor and improve efficiency.

用于1250mm以下的矩形风管联接接口的合缝，气动操作，减少人工，提高效率。

<table>
<thead>
<tr>
<th>Model</th>
<th>Sheet Thickness (mm)</th>
<th>Max. Tube Length (mm)</th>
<th>Weight (kg)</th>
<th>Stroke (mm)</th>
<th>Dimensions (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLF-12</td>
<td>0-1.2</td>
<td>1800/1300</td>
<td>460</td>
<td>4</td>
<td>1000x550x300</td>
</tr>
</tbody>
</table>
### Spiral Duct Machine

- **Model:** BAL-1500C
- **Diameter range:** 80-1300mm
- **Tube length:** 120-4000mm
- **Suitable materials:** Galvanized steel, Stainless steel, Aluminium
- **Thickness range:** 0.4-2.2mm
- **Welding speed:** 100-200mm/min
- **Cutting speed:** 1-400mm/min
- **Cutting accuracy:** ±0.5mm
- **Cutting system:** PLC automatic control
- **Main motor power:** 1.5kW
- **Cutting power:** 400W
- **Tail cutting:** Saw blade cutting

### Round Elbow Machine

- **Performance Features:**
  - It's also used for the jointing and connection of thin-walled tube.
  - Used for joining of thin-walled tube, double-welded tube, and round tube.

<table>
<thead>
<tr>
<th>Model Type</th>
<th>Sheet Thickness (mm)</th>
<th>Diameter Range (mm)</th>
<th>Weight (kg)</th>
<th>Power (kW)</th>
<th>Dimensions (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BAL-1500C</td>
<td>1.2</td>
<td>120-1000</td>
<td>400</td>
<td>2</td>
<td>2220×500×650</td>
</tr>
</tbody>
</table>

### Reel Machine

- **Performance Features:**
  - There are manual and electric types of reel machine, and it's mainly used for bending round pipe and connecting.

<table>
<thead>
<tr>
<th>Model Type</th>
<th>Shape</th>
<th>Sheet Thickness (mm)</th>
<th>Power (kW)</th>
<th>Weight (kg)</th>
<th>Dimensions (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LH-25</td>
<td></td>
<td>1.2</td>
<td>0.75</td>
<td>90</td>
<td>400×600×600</td>
</tr>
<tr>
<td>LH-35</td>
<td></td>
<td>1.0</td>
<td></td>
<td>50</td>
<td>550×500×650</td>
</tr>
</tbody>
</table>
MANUAL ASYMMETRICAL 3-ROLLER BENDING MACHINE

Performance Features 性能特点

Pre-bending function makes straight edges narrower, and it can even round small round pipe with diameter of 100 mm, combined with manual wave gear and eccentric wheel device the machine can quickly move side rollers up and down to improve efficiency.

ROUND DUCT LOCK SEAM MACHINE

Performance Features 性能特点

It's used for 0.3-1.2 mm sheet metal duct lock seam closing. Its advantages are high accuracy and easy operation.

ELECTRIC ASYMMETRICAL 3-ROLLER BENDING MACHINE

Performance Features 性能特点

Pre-bending function makes straight edges narrower, and it can even round small round pipe with diameter of 100 mm, combined with manual wave gear and eccentric wheel device the machine can quickly move side rollers up and down to improve efficiency.

ANGLE STEEL ROUND MACHINE

Performance Features 性能特点

It's used for rounding angle steel flanges and 400 steel with overall heat treatment makes the machine more durable.
PUNCHING MACHINE

Performance Features 性能特点

Ordinary puncher can produce duct corner code with die, and it’s also able to punch and cut angle steel with relevant dies.

AUTOMATIC CORNER PRODUCTION LINE

Performance Features 性能特点

Automatic corner production line adhered fully automated production for corners, not only saves labor, but more safe, the entire production line needs only one person to operate, easy to operate and use.

ENERGY-SAVING ELECTRIC SHEARING MACHINE

Performance Features 性能特点

The machine is overall steel-welded and gate-type with chain table, the motor has its own brake, which means no power consuming when not shearing and it is suitable for processing sheet metal less than 3 mm in thickness.

ELECTRIC SHEARING MACHINE

Performance Features 性能特点

This machine is a newly improved one with reduction motor and no gears so that it requires less maintenance, normally it is regarded as a necessary part of duct sheet metal shearing.

Model 型号 | Cutting thickness 厚度 (mm) | Cutting width 宽度 (mm) | No. of shears 刀数 | Power of motor 电机功率 | Dimension 外形尺寸 (LXWXH) (mm)
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>D1-1-1 1000</td>
<td>1.5</td>
<td>1000</td>
<td>30</td>
<td>3</td>
<td>1400X400X3000</td>
</tr>
<tr>
<td>D1-1-1 1000</td>
<td>1.5</td>
<td>1000</td>
<td>30</td>
<td>3</td>
<td>1100X700X3000</td>
</tr>
<tr>
<td>D1-1-2 1000</td>
<td>1.5</td>
<td>1000</td>
<td>30</td>
<td>3</td>
<td>2000X700X3000</td>
</tr>
<tr>
<td>D1-1-2 1000</td>
<td>1.5</td>
<td>1000</td>
<td>30</td>
<td>3</td>
<td>2000X700X3000</td>
</tr>
<tr>
<td>D1-1-2 1000</td>
<td>1.5</td>
<td>1000</td>
<td>30</td>
<td>3</td>
<td>2000X700X3000</td>
</tr>
</tbody>
</table>

Model 型号 | Cutting thickness 厚度 (mm) | Cutting width 宽度 (mm) | No. of shears 刀数 | Power of motor 电机功率 | Dimension 外形尺寸 (LXWXH) (mm)
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>PC 11</td>
<td>0.5</td>
<td>600</td>
<td>5500</td>
<td>5600X3500X2750</td>
<td></td>
</tr>
</tbody>
</table>