



安博尔机械  
ANBER MACHINE



WUXI ANBER MACHINE CO., LTD. | 无锡安博尔机械有限公司

## MESH WELDING MACHINE

WIRE DRAWING MACHINE

# 丝网焊接设备 & 拉丝机

### 无锡安博尔机械有限公司

Wuxi Anber Machine Co., Ltd.

地址: 昆山锦溪镇锦东路525号

Factory Add: No. 525, Jindong road, Jinxi town, Kunshan, China

Tel: (+86)-510-88239310/88239309

Fax: (+86)-510-88237950

Email: sales@anber-inc.com / kathy@anber-inc.com

Web: www.anbermachine.com



微信公众号  
Scan with wechat!



官方网站  
Our website

# Company Profile

Business type: manufacturer and seller of kinds of wire mesh and fence making machine

Service: OEM service

Primary competitive: low in price and maintainance, high in quality and performance.

Products list:

Expanded metal mesh machine: heavy duty expanded metal mesh machine, expanded metal fence machine, diamond expanded mesh machine, angle bead machine, plaster stop machine, rib lath machine, hi-rib lath machine, brickwork reinforcing machine, brickwork reinforcement machine

Welded wire mesh machine: welded mesh fence/panel machine, welded mesh machine for construction, reinforcement mesh welding production line, space welded mesh machine for buildings

Wire drawing machine: iron wire drawing machine, stainless steel wire drawing machine, tin wire drawing machine, copper wire drawing machine, rod break down

PVC coated production line: for the fence, galvanized coating production line for the fence, wire PVC coated line

Other wire mesh machine: razor barded wire machine, barded wire machine, gabion mesh machine, gabion mesh fence machine and full automatic gabion mesh production line, hexagonal wire netting machine, chain link fence weaving machine, automatic chain link fence weaving machine, semi-automatic chain link fence weaving machine, hinge joint knot field fence machine and perforated metal mesh machine.

We also have rich experience in producing the wire mesh and fence products, such as expanded metal mesh, angle bead, plaster stop, welded mesh panel, welded mesh fence, chain link fence, gabion mesh, gabion mattress, double twist rockfall netting, welded mesh box, fasteners. Our factory is located in Wuxi, China. It is famous for its good wire mesh machine and wire mesh products. And was named "AAA" factory by our National Industrial Authority. We hope to have chance to establish good business relationship with all the friends who are interested in our products. We will expect your visit to our factory.

# 公司简介

无锡安博尔机械有限公司，公司设备齐全，检测手段完善，技术部研发人员已达20多人。立厂至今，公司以科技兴厂为宗旨，关注国际丝网设备技术的发展趋势，博采众长，积极消化吸收国外先进技术，为丝网行业提供具有较高性价比的优质机械设备。

公司主要产品有：

焊网设备：全自动数控钢筋网焊机、高速公路及铁路护栏网数控排焊机、煤矿支护网焊接网、机舒乐板网排焊机、3D板焊机、桁架焊机、混凝土管桩钢筋焊机、钢筋冷轧带肋设备及钢筋调直切断机、折网机、剪网机等。

拉丝机：按拉拔方式分为直进式拉丝机组、滑轮式拉丝机组、水箱式拉丝机组、倒立式拉丝机组；按用途分有制绳钢丝拉丝机，弹簧钢丝拉丝机，PC钢丝拉丝机，钢帘线拉丝机，胶管钢丝拉丝机，不锈钢拉丝机，铝焊丝拉丝机，镀锌铁丝拉丝机，铝包钢丝拉丝机，铜线铝线拉丝机等。我公司亦为客户提供整条生产线的设计，提供拉丝机生产所需的辅助设备，如井式退火炉、连续生产箱式退火炉、轧尖机、剥壳机、放线架、工字轮放（收）线机、象鼻子收线机。

钢板网机：各种型号重、中、小型钢板网冲剪机及其辅机开料架、压平机、整平机等，并配套提供模具。钢板网机生产出的产品主要用于做踏板网、电池、天线、护栏等。我公司也专业生产由钢板网机衍生的设备，如：护角网机、砖带网机、墙体抹灰网机、批汤网机、模板网机、极板网生产设备等，这类设备及产品现在国际市场上得到了广泛的应用，不仅能提高产品的利用率，节省人工，并且使用寿命长。

六角网机：又称格宾网机，石笼网机。同时我们配套制造整经机，收网机，绕簧机，剪网机，整平机，液压打包机等辅助设备。

其他配套丝网设备：刺绳机、勾花网机、冲孔网机

在产品方面，公司技术人员已采用三维设计软件，提高了零部件生产的柔性化管理，机电控制技术采用日本三菱PLC控制器，保证了机电一体化控制的稳定性。公司开发的拉丝机、焊网机、钢板网机、六角网机、勾花网机，已远销欧洲、非洲、美洲等地。为适应市场需求，设计制造了现在在市场上运用很广泛的砖带网机、极板网机、护角网机、模板网机，并赢得了广大用户的好评和信任。本公司将遵循“用户满意，就是我们的荣誉”为宗旨，一如既往地为用户提供精良的产品和优质的服务。





高新技术企业证书  
High-tech enterprise certificate



中国产学研一等奖证书  
chinese industry-academy-research award



营业执照 / Business certificate



CE证书 / CE certificate



ISO证书 / ISO certificate



护角网机专利  
Patent of angle bead machine



批荡砖带一体机专利  
Patent of metal lath and brickwork mesh machine



砖带网机专利  
Patent of brickwork mesh machine

## 目录

## CATALOGUE

- |              |    |   |
|--------------|----|---|
| 全自动钢筋焊网生产线   | 02 | Full auto mesh welding line                       |
| 全自动卷进焊网生产线   | 04 | Automatic wire mesh welding line                  |
| 焊网机主要部件      | 05 | Main parts of mesh welding machine                |
| 全自动卷进卷出焊网机   | 09 | ABE-DWG3000 full auto mesh welding machine        |
| 预调直气动焊网机     | 11 | Auto pre-cut reinforcing mesh welding line        |
| 气动式机械拉网焊网机   | 13 | Pre-cut reinforcing mesh welding line             |
| 反扒网焊接机       | 14 | Anti-climbing mesh welding line                   |
| 建筑用焊网机       | 15 | Construction mesh welding machine                 |
| 养殖网焊接设备      | 17 | Poultry mesh welding machine                      |
| 3D板焊接机       | 18 | 3D panel welding machine                          |
| 3D桁架机        | 19 | 3D truss girder welding machine                   |
| 平面桁架焊接设备     | 20 | Flat truss girder welding machine                 |
| 数控钢筋调直弯箍机    | 21 | ABE-12D steel bar stirrup bender                  |
| 气动高速调直切断机    | 22 | Pneumatic wire straightening and cutting machine  |
| 高速调直切断机      | 23 | High speed wire straightening and cutting machine |
| 机械式钢筋矫直切断机   | 24 | Mechanical wire straightening & cutting machine   |
| 液压调直切断机      | 24 | Hydraulic wire straightening & cutting machine    |
| 半自动钢格板焊接机    | 25 | Steel grating welding machine                     |
| 钢筋骨架滚焊机      | 26 | Pile cage welding machine                         |
| 折弯机          | 27 | Fence bender                                      |
| 收卷机          | 28 | Mesh coiling machine                              |
| 直进式拉丝机       | 29 | Straight Line Wire Drawing Machine                |
| 滑轮式拉丝机       | 31 | Pulley Type Continuous Wire Drawing Machine       |
| 直进式冷轧带肋钢筋生产线 | 33 | Rolling Cassettes plant                           |
| 倒立式拉丝机       | 35 | Vertical Wire Drawing Machine                     |
| 辅助设备         | 36 | Accessory Machine                                 |
| 焊网尺寸表        | 41 | Size of welded wire mesh                          |

**ENTERPRISE HONOR**  
企业荣誉 >>

# 我们的展会 Our exhibition

2016 德国杜塞尔多夫线材管材展  
2016 Germany Dusseldorf Wire & Tube exhibiton



2018 德国展会  
2018 German exhibition



2015美国拉斯维加斯建材展 / 2015 Las Vegas building materials exhibition



2017迪拜展会  
2017 Dubai Big5 exhibition



2016迪拜展会  
2016 Dubai Big5 exhibition



2015迪拜展会  
2015 Dubai Big5 exhibition



委内瑞拉展会  
Venezuela exhibition



广交会 / Canton fair



## 全自动钢筋焊网生产线 Full auto mesh welding line

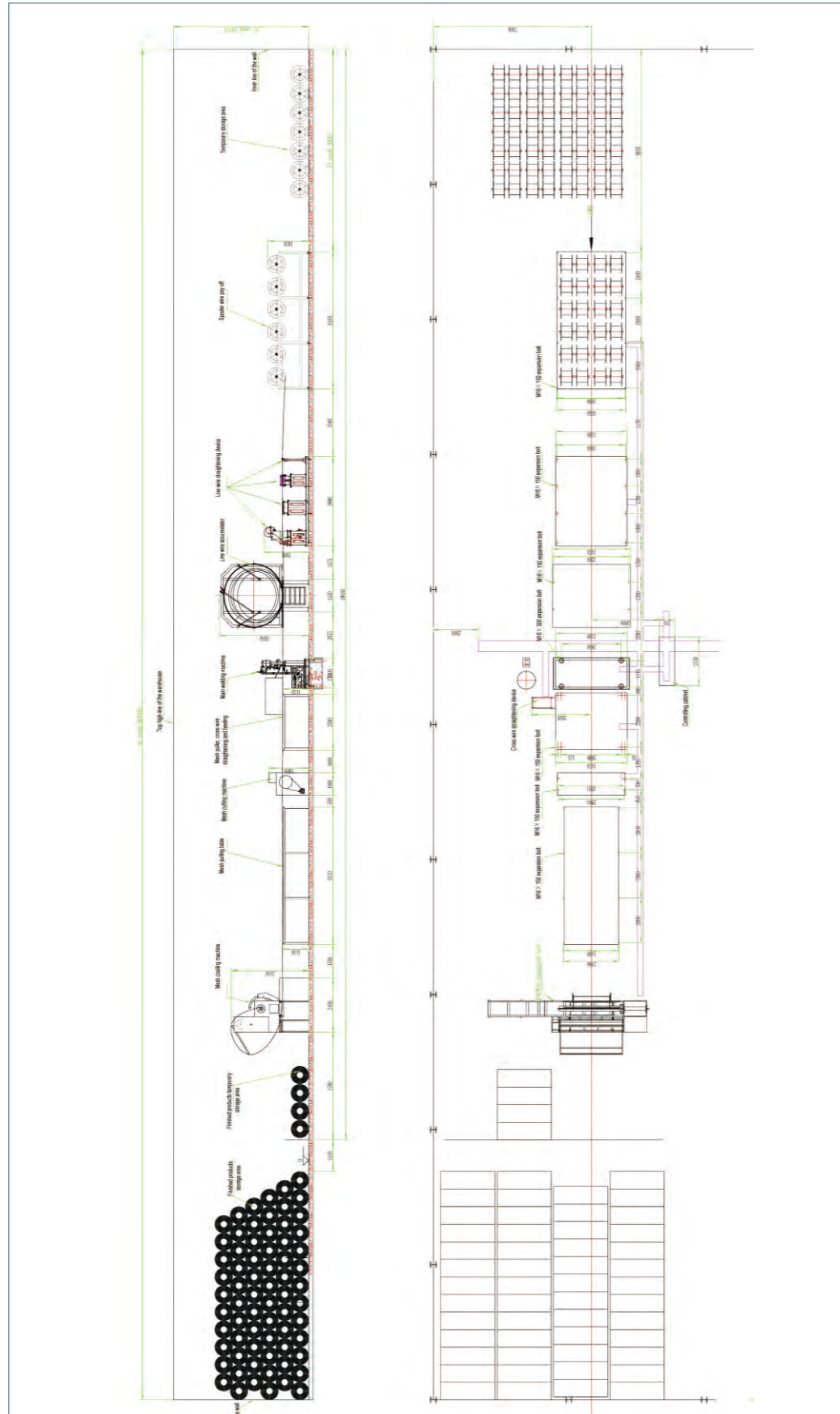


Full auto Mesh Welding Line with recoiler and cutter  
全自动焊网生产线 (带卷出和片出)



Full auto Mesh Welding Line with recoiler only  
全自动焊网生产线 (卷出)

全自动钢筋焊网生产线布局图  
Layout of full auto mesh welding line



# 全自动卷进焊网生产线

## Automatic wire mesh welding line



### 描述

全自动钢筋网焊接生产线是一种自动化钢筋网焊接设备，其纵线、横线入料方式均为盘丝自动校直、送料，产品自动堆垛、打包，纵线自动调直、储料、自动送料，横线自动调直、储料、送料、定长剪断、落料，网片定长自动收卷、切断。全自动钢筋网焊接生产线与普通钢筋网焊接设备相比，纵线、横线均为盘丝直接入料。自动收卷、切断，大大节约了人工成本、提高了生产效率。

### Description

Both line wire coils and cross wire coils for the auto mesh welding machine are automatically straightened, cut and fed. The finished mesh is also automatically recoiled and cut. Line wires are automatically straightening, storage and feeding. Cross wires are automatically straightening, storage and feeding in the production line. Compared with ordinary reinforcing mesh welding equipment, both line wires and cross wires are fed with coils. Automatically feeding, recoil and cut and discharge the welded mesh roll which maximized save labor and greatly increased production.

型号 Model		ABE-3/6-2400C
网宽 Max. width		2400mm
网长 Max. length		6000mm
纵筋间距 Line wire spacing		50mm-200mm
横筋间距 cross wire spacing		50mm-200mm
丝径 Wire diameter		3mm-6mm
送料方式 Feeding way	径丝 Line wire	Coil/卷
	纬丝 Cross wire	Coil/卷
焊点个数 Number of welder		24 Point
最大焊接速度 Max. welding speed		60-90meshes/minute(次/分)
电源 Electric capacity		500KVA
压缩空气消耗 Air consumption		≥0.8Mpa, 2m <sup>3</sup> /min
冷却水消耗 Cooling water consumption		≥0.3Mpa, 3m <sup>3</sup> /min

# 焊机主要部件

## Main parts of mesh welding machine

### 1. Wire Pay-off 开料架



**Spooler Wire Pay-off 工字轮开料架**  
 wire pay off with spool stands (line wires from coil/spools of 1000 Kg weight each)  
 ID (inner diameter): 600mm or according to your requirement  
 OD (outer diameter): 800mm or according to your requirement  
 开料架含开料底座, 卷重: 1000kg  
 内径: 600mm或根据客户要求  
 外径: 800mm或根据客户要求

### 2. Line Wire Straightening (For Perpendicular) 纵筋矫直机构

Straightening system is composed of front X-type straightening and back straightening system, used to straightening the line wires from the pay off.  
 X-type straightening consists of 2 groups of total 48 vertical straightening seats. Horizontal straightening consists of 1 group of 24 horizontal straightening seats.  
 Each straightening seat consists of 5 straightening wheels and each wheel has the function of adjusting down pressing volume.  
 Each a group of 5 has function of whole tight pressing and release.  
 Overall size: 2875×725×990mm/ 2875 ×450×1017mm  
 Weight: 880kg/590kg (total weight1470Kg)

矫直机构由储料前斜矫直与储料后直矫直组成, 用于纵筋放线后的矫直。  
 斜矫直由2组共48个斜矫直座构成。直矫直组成由1组24个直矫直座构成。  
 每个矫直座由5个矫直轮组成, 每个矫直轮都具有调整下压量的功能, 每5个一组具有整体压紧和松开功能。  
 设备总尺寸: 2875×725×990mm (前) / 2875 ×450×1017mm (后); 设备重量: 880kg/590kg (二者之和1470Kg)。



### 3. Line Wire Feeding To Accumulator 径丝送丝机构



Line wire feeding device is composed of support, roller, shaft, pneumatic system, drive motor and drive device, which is used for sending straightening line wire to storage area. Cylinder system makes pressing wheel down and with roller on drive shaft together press wire tightly and transport forward. Transport motor adopts 7.5KW 4 grade general motor. By reducer, link wheel and drive shaft connects and ensure with the speed of feeding wire and come true synchronous control feeding. Feeding speed is 15m/min(adjustable). Line wire feeding device as figure 5.3.  
 Motor: 11kw, 1460rpm/7.5kw, 1500rpm, Servo motor, Three-phase  
 Overall size: 3042×1187×1528 mm/ 3693×495×701 mm  
 Weight: 1130kg/780kg (total weight 1910 Kg)

纵筋送料机构由支架、辊轮与轴、气动机构、驱动电机和传动装置组成, 用于纵筋矫直后将其送至储料缓冲区。通过气缸执行机构, 使压轮向下与传动轴上的辊轮一起压紧铁丝向前输送, 输送电机采用7.5KW 4级普通电机, 通过减速机, 链轮与传动轴相连接, 保证送丝的速度, 实现同步控制送料。送料速度15米/分(可调)。

电机: 11kw, 1460rpm/7.5kw, 1500rpm (伺服电机), 三相;  
 设备总尺寸: 3042×1187×1528 mm/ 3693×495×701 mm;  
 设备重量: 1130kg/780kg (二者之和1910 Kg)。

### 4. Line Wire Accumulator 储料架



Because of line wire connection and welding discontinuity, the system is used for buffering and storage of line wire. Line wire storage uses big radius bend to buffer and send line wire synchronous average speed to welding machine. With the mode of double wire control, set-up or cut-off an electric circuit should be tested in a big circle setting electric shock device and depending on setting up or cutting off, judge if it need to be continued to feed material. Separation rod is made of stainless steel. It is composed of body frame, two sides, up, down separation materials racks.  
 Machine size: 2775×2000×3085mm  
 Machine weight: 1160kg

由于纵筋送料的连接性与焊接的断续性, 部署该机构用于纵筋的缓冲与储存。纵筋储料采用大半径弯曲进行缓冲调节, 将纵筋同步匀速送入焊接主机。采用复线控制方式, 在大圈设置触电装置进行通断电检测, 依靠通断判断是否需要继续送料。隔料杆采用不锈钢制作。其由机架及两侧、上、下隔料架组成。

设备总尺寸: L×W×H= 2775×2000×3085mm; 设备重量: 1160kg。

### 5. Mesh Welding Machine 焊接主机

The mesh welding machine use 6 A.C. transformers, the main transverse wire with electrodes on the conductive block into the transformer of the cathode, the electrode block installed on the motor seat mechanism and the positive phase of the transformer, the movable welding electrode contact line wire and cross to form the current loop and under the action of cylinder pressure, it will welded firmly. The machine contains the frame, left and right column, upper and lower electrode, welding transformer, pneumatic mechanism, device composition and so on.  
 Overall size: 3245×1300×2120mm; Weight: 3280kg.

焊接主机采用六台交流变压器, 网片的主横筋与上电极在导电座上与变压器的负极相接, 电极块安装在电机座机构上并与变压器的正极相接, 活动焊接电极接触横筋与纵筋时, 形成电流回路, 纵筋与横筋接触处在气缸压力的作用下, 被电阻点焊上。其由框架、左与右立柱、上与下电极、焊接变压器、气动机构、等装置组成。  
 设备总尺寸: L×W×H= 3245×1300×2120mm; 设备重量: 3280kg。



### 6. Cross Wire Feeding Device 横筋落料装置



#### Cross wire from pre-cut 横筋落料机构 (预调直)

The pre-cut cross wire of setting length to feeding device. The magnetism tube of feeding device rotates and feeds. Quantity of feeding depends on adjusting magnet, and then through the wire-blocking wheel rotates to feed to welding machine. It is composed of body frame, feeding device, magnetism tube feeding device, motor reducer drive system, pneumatic device, etc.  
 motor: 0.37kw/1390rpm  
 machine size: 3615×1600×1995mm;  
 machine weight: 2050kg

横筋落料装置主要将定长预调直好的横筋放入落料装置, 由磁筒送料装置的磁筒通过转动进行送料, 可以通过调节磁铁的多少来调节每次送料的数量。然后通过卡丝轮进行旋转送料到焊机。其由机架、落料装置、磁筒送料装置及电机减速机驱动机构、气动装置等装置组成。  
 电机: 0.37kw/1390rpm; 设备总尺寸: L×W×H= 3615×1600×1995mm; 设备重量: 2050kg。



#### Cross wire from coil 横筋矫直送料机构 (卷进)

The cross wire straightening machine draws into the cross wires from the separate spooler pay-off, after straightening treatments of the vertical and horizontal straightening devices, and then via cross wire feeder cabinet sends into the cross wire cutting unit to cut off.

This machine has a compact structure, light weight and good rigidity.  
 The straightening and cutting length of this machine could be precisely controlled.  
 This machine employs adjustable straightening in vertical and horizontal direction, which is flexible and convenient for operation.  
 The straightening wheels of line wire straightening mechanism adopts carburization quenching treatment, promising the surface hardness, and the straightening quality could not influenced after using for a long time.

横筋矫直机从独立工字放线轮处引入横径, 经垂直与水平矫直装置在两个方向的矫直处理后经横径机器结构紧凑、重量轻、刚性好。

送料箱输送到横径切断机构定长切断。本机器矫直切断长度可精确控制。本机器采用垂直水平可调矫直机构, 灵活方便操作; 矫直机构矫直轮采用渗碳淬火处理, 保证表面硬度, 长期使用不会影响校直质量。

## 7. Shearing Machine 剪网机



Shearing machine is used to cut welding mesh(setting length). It is mechanical shearing machine with cutting width 2500mm and composed of body, cutter frame,(V-shaped belt, gear wheel, eccentric gear, etc)drive system, back stop material device, press material device, support material(pneumatic system),safe protection, etc. Shearing machine holds the functions of Electromagnetic clutch control shearing and can be used separately.  
 Shearing mesh width: 2500mm  
 Number of strokes: 47n/min  
 Motor: 7.5kw/1430rpm,  
 Equipment overall size: L×W×H= 3124×2100×1180mm  
 Equipment weight: 2100 kg

剪网机用于将焊接好的网片进行(定长)切断。本机为机械式剪网机,切断宽度2500mm,其由床身、刀架、(V型带、齿轮、偏心轮等)传动系统、后挡料装置、压料装置、托料(气动机构)和安全防护等装置组成。具有电磁离合控制剪切功能,可做单独使用设备。【本机QH11D-3.2×2500型剪网机可为独立使用设备,则详见《QH11D系列精密剪板机使用说明书》】。

剪网宽度: 2500mm; 行程次数: 47n/min; 电机: 7.5kw/1430rpm,

设备总尺寸: L×W×H= 3124×2100×1180mm; 设备重量: 2100 kg.

## 8. Pushing Machine 推网机

Pushing mesh machine has the dragging and feeding function of welded and cut mesh. 2400mm is the max mesh width of turner machine. A magnetic coupling rodless cylinder is controlled by an electromagnetic valve to drive the mesh forward. Pushing mesh speed is 10m/min,adjustable. Push mesh to the right position three times. It is composed of body frame, pushing mesh device, pneumatic device, etc. Overall size: L×W×H=2620×1140×1420mm  
 Weight: 260kg

推网机对焊接好并且已经切断好的网片进行拖动和送料功能。推网机推的网片最大宽度为2400mm。由电磁阀控制磁耦合无杆气缸推动网片前进。推网速度10m/分,可调。分推3次将网推到位。其由机架、推网与托网装置、气动装置等组成。推网机如图5.8所示。

设备总尺寸: L×W×H=2620×1140×1420mm;  
 设备重量: 260kg.



## 9. Mesh Turning Machine 翻网装置



The main function of mesh turning machine is to stack (N mesh) and turn (N+1 mesh) the setting length mesh and add them together. Mesh width is suitable for 2400mm and length for 6000mm. It is composed of body frame, turn mesh support, drive motor reducer, turn shaft and support, push and support mesh(delivery cylinder) device, pneumatic device, etc.

Motor: 0.2kw/1300rpm (Turn),  
 Machine overall size: L×W×H= 6720×4126×1620 mm;  
 Machine weight:3000kg

翻网机主要功能是对定长剪裁好的网片码垛进行叠翻,使得网片一正一反叠加在一起,节省空间。网片宽度适合2400mm,长6000mm。其由机架、翻网架支座、驱动电机减速机与翻转架及翻网支架、推网与托网(输送滚筒)装置、气动装置等组成。

电机: 0.2kw/1300rpm(翻转), 三相440V/50Hz;  
 设备总尺寸: L×W×H= 6720×4126×1620 mm;  
 设备重量: 3000kg.

## 10. Mesh Recoiling Machine 收卷机



Mesh recoiling machine is used to recoil, cut, binding mesh and roll out the mesh coil to transport. It is composed of frame, recoiler, cutting device, pulling system, roll out system, hydraulic system.

wire diameter: 3-6mm  
 coil size: D × d × B = Φ175 × Φ800 × 2400mm

**Motor:**

Recoil: 3kw, 1420rpm  
 Press: 0.12kw, 1300rpm  
 Mesh pull: 1.5kw/ 1430rpm  
 Mesh cutting: 11kw/ 1460rpm  
 Roll mesh turning: 2.2kw/ 1420rpm  
 Machine size: 7541×4740×2525mm  
 Machine weight: 5280kg



收卷装置是将连续焊接好的网片进行收卷、切断、捆扎推落至滚网架等待吊运。其余底架、收卷机构、剪断装置、推送机构、滚网架及液压系统组成。

收卷丝(筋)直径: Φ3 ~ 6mm; 收卷尺寸: D × d × B = Φ175 × Φ800 × 2400mm.

**电机:**

收卷: 3kw/ 1420rpm; 辊压: 0.12kw/1300rpm;  
 推卷: 1.5kw/ 1430rpm; 剪切: 11kw/ 1460rpm;  
 推、翻网(液压): 2.2kw/ 1420rpm;  
 设备总尺寸: L×W×H=7541×4740×2525mm;  
 设备重量: 5280kg.

## 11. Collecting Table(Roller) 收料台(托辊)



Collecting table is driven by the motor to rotate roller and transport stack mesh. It is composed of motor reducer, chain wheel and chain transmission device, support, roller. The whole transport roller is transported by (6×2.5m)15m length delivery cylinder to stack mesh.

Motor: 1.5kw/1300rpm  
 Speed: 20m/min  
 Machine overall size: L×W×H= 15000×2000×225 mm  
 (composed of 6 groups, 2500mm/group)  
 Machine weight:3000kg

收料台是电机带动托辊转动使堆叠网片输送移出。其由电机减速机与链轮链条传动装置、支架、滚筒组成。整条输送托辊由(6×2.5m)15m长输送滚筒对堆叠网片进行托送。辊道长15米,宽2米,辊道辊直径φ120mm,电机功率1.5KW。

电机: 1.5kw/1300rpm; 速度: 20m/min;  
 设备总尺寸: L×W×H= 15000×2000×225 mm; (由6组组成, 2500mm/组);  
 设备重量: 3000kg.

# 全自动卷进卷出焊机

## ABE-DWG3000 full auto mesh welding machine



ABE-DWG3000型专用钢筋网成型机是在吸取了国外先进经验、先进技术的基础上，结合国内实际生产需要而进行研制、生产的焊接钢筋网专套设备。该机可将热轧带肋钢筋、冷轧带肋钢筋、光圆带肋钢筋、光圆冷拔钢筋进行高质量交叉焊接，产量大、精度高、改型方便、操作故障率低、节能性强、消耗低、质量高。

目前各种焊接钢筋网的应用较普遍，主要应用于建筑业：工业、民用砼建筑；交通业：高速铁路、高速公路、隧道、桥梁、飞机场；水利、港口、电力和仓库等设施；环保设施、娱乐领域；煤矿业、畜牧业、农林业、饲养业等。

### 主要技术参数

额定功率（焊接主机）：100~300KVA  
 电源：380V, 50Hz  
 输出电压：10.6V  
 焊接最大电流：150A  
 最大焊网宽度：3000mm，宽度可调  
 纵筋间距：50、100、150、200mm，可调横筋间距  
 可自动调节焊点数：29(30),备用一个  
 可焊钢筋直径横筋：Φ4~Φ6mm  
 纵筋：Φ6~Φ10mm  
 焊接频率：40次/分  
 冷却水压力：≥0.2MPa  
 气源压力：≥0.75MPa  
 电极压力：0.25~0.69Mpa，可调压缩  
 空气耗量：3m<sup>3</sup>/分钟  
 纵筋放料方式：盘料自动调直，随胶轴滚动跟进  
 纬筋放料方式：盘料，梭子矫直，自动送丝，自动切断，自动落料  
 焊机重量：20吨  
 工作环境湿度：30~85%  
 工作环境温度：0~40℃

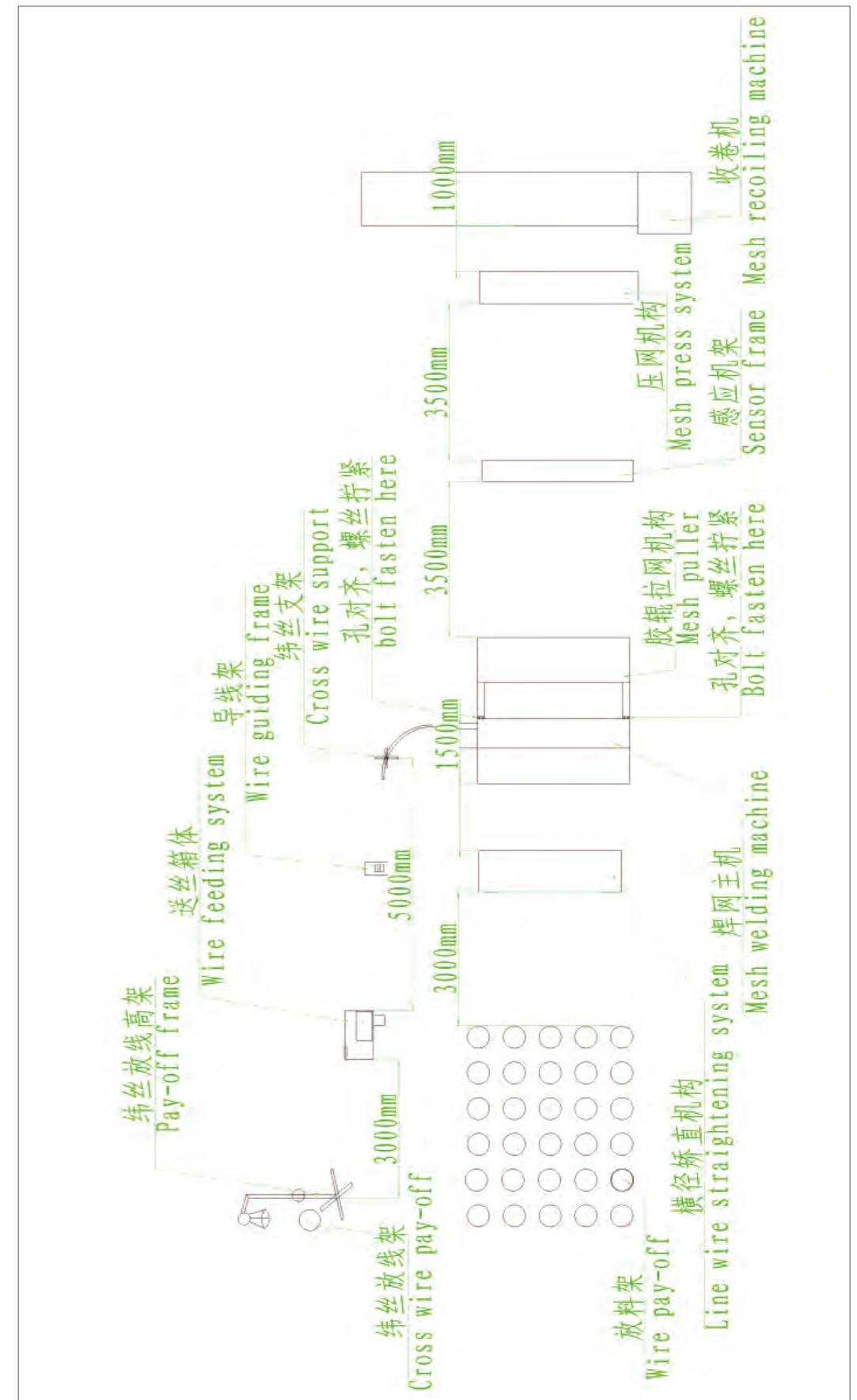
DWG - 3000 mesh welding machine absorbs foreign advanced experience, on the basis of advanced technology and combined with domestic actual production requirement. The machine can weld hot rolled ribbed steel bar, cold rolled ribbed steel bar, round ribbed steel bar, light round for high quality cold drawn steel cross welding, large output, high precision, easy modification, operation, low failure rate, energy-saving, low consumption and high quality.

now the welded steel fabric has been widely and mainly used in construction, industrial and civil construction concrete; transportation: high-speed railways, highways, tunnels, bridges, airports; water conservancy, port, electricity, and warehouse facilities; environmental protection facilities, entertainment; coal industry, animal husbandry, forestry, husbandry, etc.

### Main parameter

Rated power (welding main machine): 100 ~ 300KVA  
 Power supply: 380V, 50Hz  
 Output voltage: 10.6V  
 Max. Current when weld: 150A  
 Max. Welding width: 3000mm  
 Line wire space: 50,100,150,200mm  
 Welding points: 29(30)  
 Welded wire diameter:  
 Line wire: Φ4 ~ Φ6mm  
 Cross wire: Φ6 ~ Φ10mm  
 Welding speed: 40 strokes/min  
 Cooling water pressure: ≥0.2MPa  
 Air supply pressure: ≥0.75MPa  
 Electrode pressure: 0.25 ~ 0.69Mpa  
 Compressed air consumption: 3m<sup>3</sup>/min  
 Line wire feeding method: Wire coil straighten auto and feed in with the rubber roller  
 Cross wire feeding method: Wire decoiler, straightening, feeding, cutting and wire drop automatically  
 Machine weight: 20  
 Working ambient humidity: 30 ~ 85  
 Working ambient temperature: 0 ~ 40℃

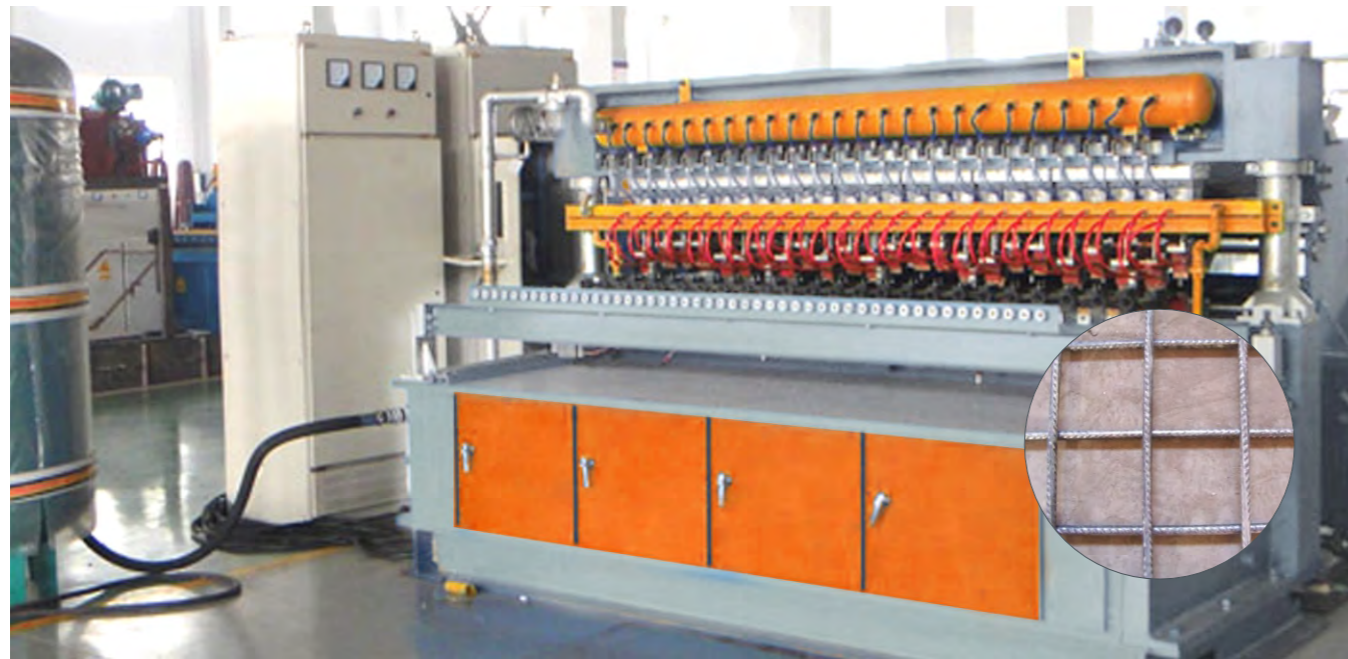
全自动卷进卷出焊机布局图  
 The layout of ABE-DWG3000 full auto mesh welding machine





# 预调直气动焊网机

## Auto pre-cut reinforcing mesh welding line



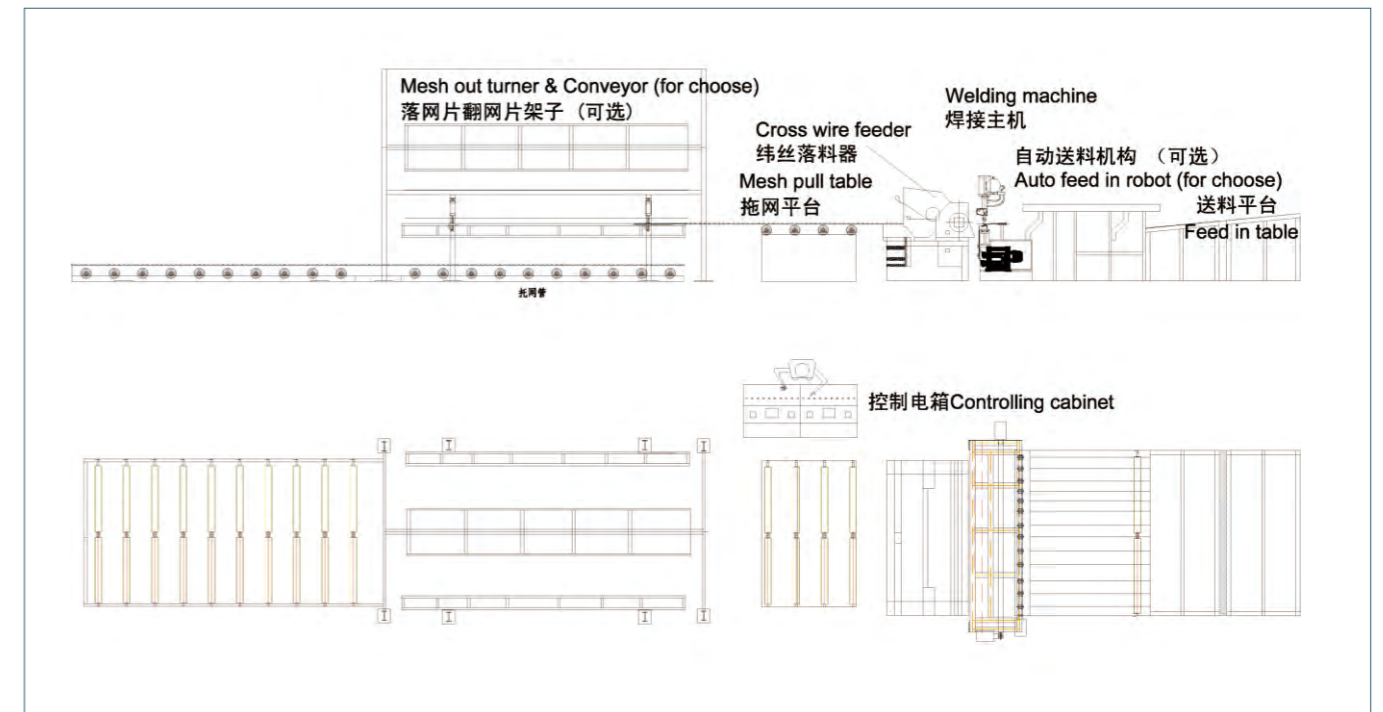
It consists of welded equipment, line and cross wires feeding device, mesh stepping system, mesh blanking and convey device, pneumatic system, electrical control system and cooling system.

本机是由焊接机构、纵筋、横筋上料机构、网片步进机构、落网与输送机构、气动系统、电气控制系统、冷却系统等部件组成。

型号 Model	ABE-3/6-2500	ABE-5/12-2500	ABE-5/12-3300
焊接钢筋直径 Diameter	3-6mm	5-12mm	5-12mm
网宽 Max. mesh width	2500mm	2500mm	3300mm
焊点个数 Number of welder	24	24	32
焊接变压器容量 Capacity of transformer	1000KVA	1600KVA	16x125KVA
纵筋间距 Line wire spacing	50mm-200mm	100mm-300mm	100mm-300mm
横筋间距 cross wire spacing	50mm-200mm	100mm-300mm	100mm-300mm
最大焊接频率 Max. welding frequency	30-65Times/minute(次/分)	30-60meshes/minute(次/分)	30-60meshes/minute(次/分)
焊接变压器暂载率 Utilization factor of transformer	30%	30%	30%
气动系统工作压力 Work pressure of pneumatic system	≤0.8Mpa	≤0.8Mpa	≤0.8Mpa
冷却水压力 Pressure of cooling water	0.2Mpa-0.3Mpa	0.2Mpa-0.3Mpa	0.2Mpa-0.3Mpa
压缩空气耗量 Consumption of compressed air	≥3M <sup>3</sup> /min	≥3M <sup>3</sup> /min	≥3M <sup>3</sup> /min
纵筋上料方式 Load mode of line wire	预调直/Pre-cut; 平直度/straightness≤3mm/1000mm		
横筋落料方式 Load mode of cross wire	预调直/Pre-cut; 平直度/straightness ≤3mm/1000mm		

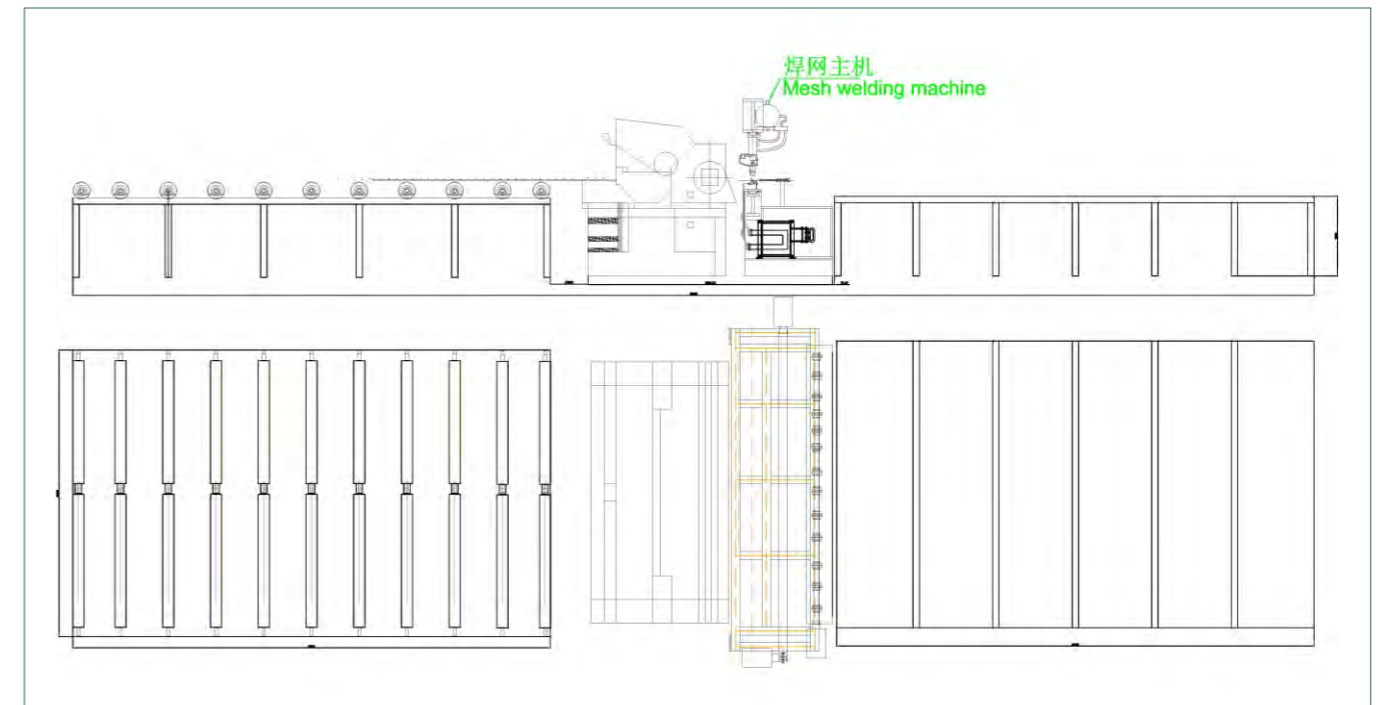
### ABE-5-12-2500

预调直气动焊网机布局图 / The layout of auto pre-cut reinforcing mesh welding line



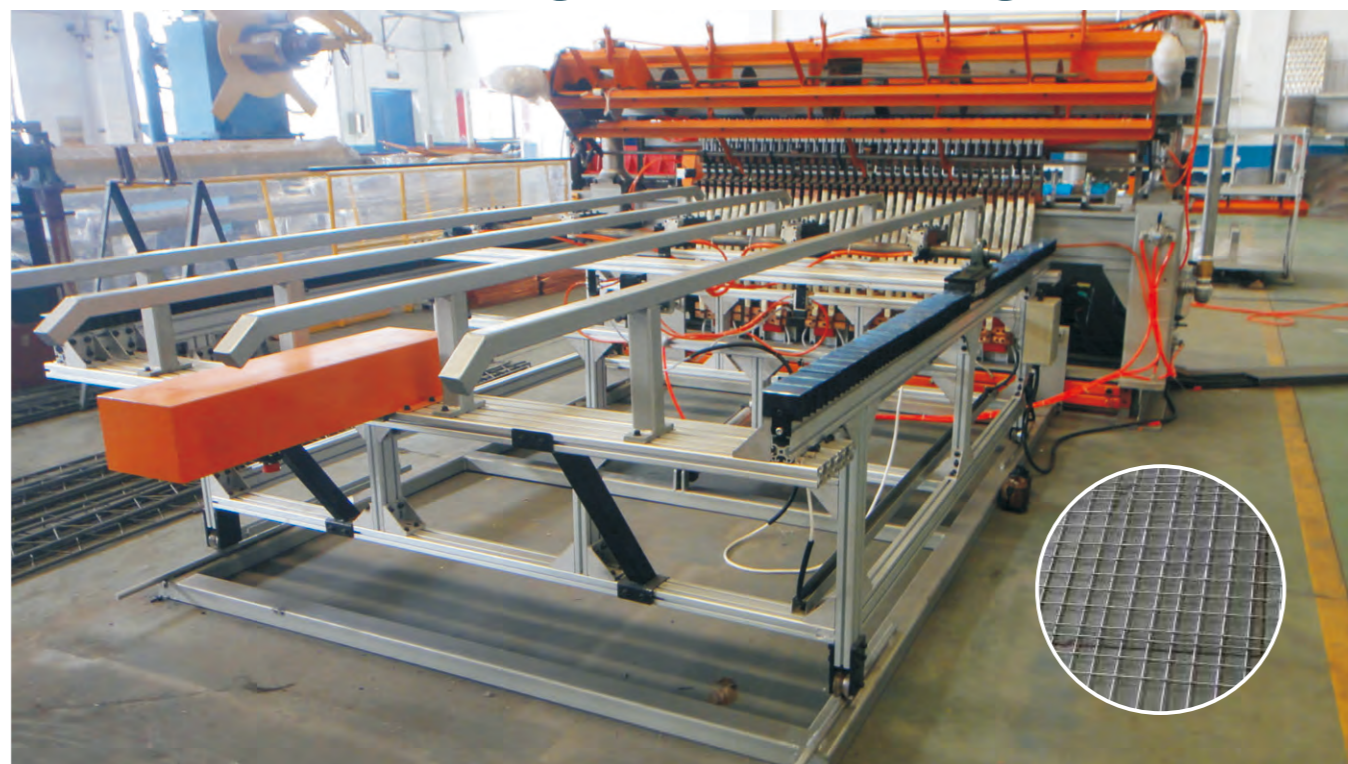
### ABE-5-12-3300

预调直气动焊网机布局图 / The layout of auto pre-cut reinforcing mesh welding line



# 气动式机械拉网焊机

## Pre-cut reinforcing mesh welding line



### Description

Welded wire mesh machine is a kind of auto welding equipment designed and manufactured by ourselves based on absorbing the advanced electromechanical controlled resistance welding technology from home and abroad, of which multinomial technologies have won the national patents.

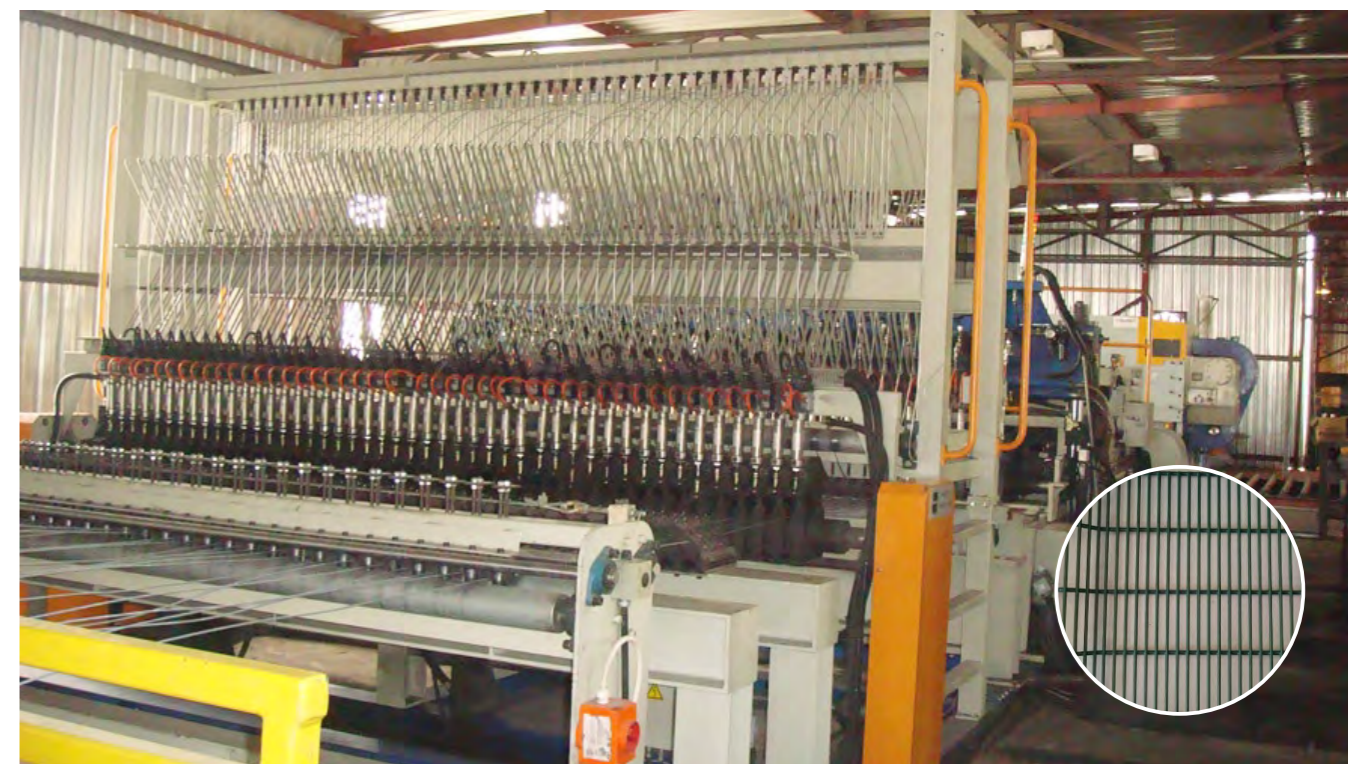
### 描述:

此款焊机是由我司独立设计和生产的一款焊机设备，集国内外先进的机电技术和焊接技术于一体。其中多项技术获得国家专利。

型号 Model	ABE-3/6-2500P	ABE-5/12-2500P	ABE-5/12-3300P
焊接钢筋直径 Diameter	3-6mm	5-12mm	5-12mm
网宽 Max. mesh width	2500mm	2500mm	3300mm
焊点个数 Number of welder	24	24	32
焊接变压器容量 Capacity of transformer	600KVA	800KVA	1000KVA
纵筋间距 Line wire spacing	50mm-200mm	100mm-300mm	100mm-300mm
横筋间距 cross wire spacing	50mm-200mm	100mm-300mm	100mm-300mm
最大焊接频率 Max. welding frequency	25-45 Times/minute(次/分)	15-30 meshes/minute(次/分)	15-30 meshes/minute(次/分)
气动系统工作压力 Work pressure of pneumatic system	≤0.8Mpa	≤0.8Mpa	≤0.8Mpa
冷却水压力 Pressure of cooling water	0.2Mpa-0.3Mpa	0.2Mpa-0.3Mpa	0.2Mpa-0.3Mpa
压缩空气耗量 Consumption of compressed air	≥3M <sup>3</sup> /min	≥3M <sup>3</sup> /min	≥3M <sup>3</sup> /min
纵筋上料方式 Load mode of line wire	预调直/Pre-cut; 平直度/straightness≤3mm/1000mm		
横筋落料方式 Load mode of cross wire	预调直/Pre-cut; 平直度/straightness ≤3mm/1000mm		

# 反扒网焊接机

## Anti-climbing mesh welding line



### Description

Anti-climbing mesh welding machine can weld the mesh of small mesh opening like 76.2mmx12.7mm which is mainly applied as prison mesh, it is of high speed, easy operation and high quality.

### 描述

防爬网焊接机是用于焊接76.2mmx12.7mm小网孔,主要用作监狱网用网的机器,他速度快,易于操作且质量优良。

### Machine parameter

- Mesh eyes: 76.2mmx12.7mm.
- wire diameter: 3-6mm
- Width range: 2500-3500mm
- Speed: 65-80 strokes/minute
- Features:
  - (1) Line wire off coil, pre-cut cross wires auto feeding with the high production rate.
  - (2) Quick change-over, easy and quick to re-set different sizes of wire mesh.
- Applications: welded wire mesh fencing, fencing net, barrier fence, metal fence, galvanized weld mesh, fine mesh, fence netting, welded nets, temporary fencing, security fencing mesh, display rack, cages, and etc.

### 设备参数

- 网孔尺寸: 76.2mmx12.7mm.  
 丝径: 3-6mm  
 网片宽度: 2500-3500mm  
 焊接速度: 65-80 strokes/minute  
 安博尔反扒网机特征:  
 (1) 径丝卷进, 纬丝预调直后自动送料, 焊接速度快  
 (2) 方便切换生产规格尺寸  
 用途: 用于焊接各种3510和358反扒网, 与普通安全护栏网相比, 缩短了一半的成本, 与勾花网相比, 减少了三分之一的成本。

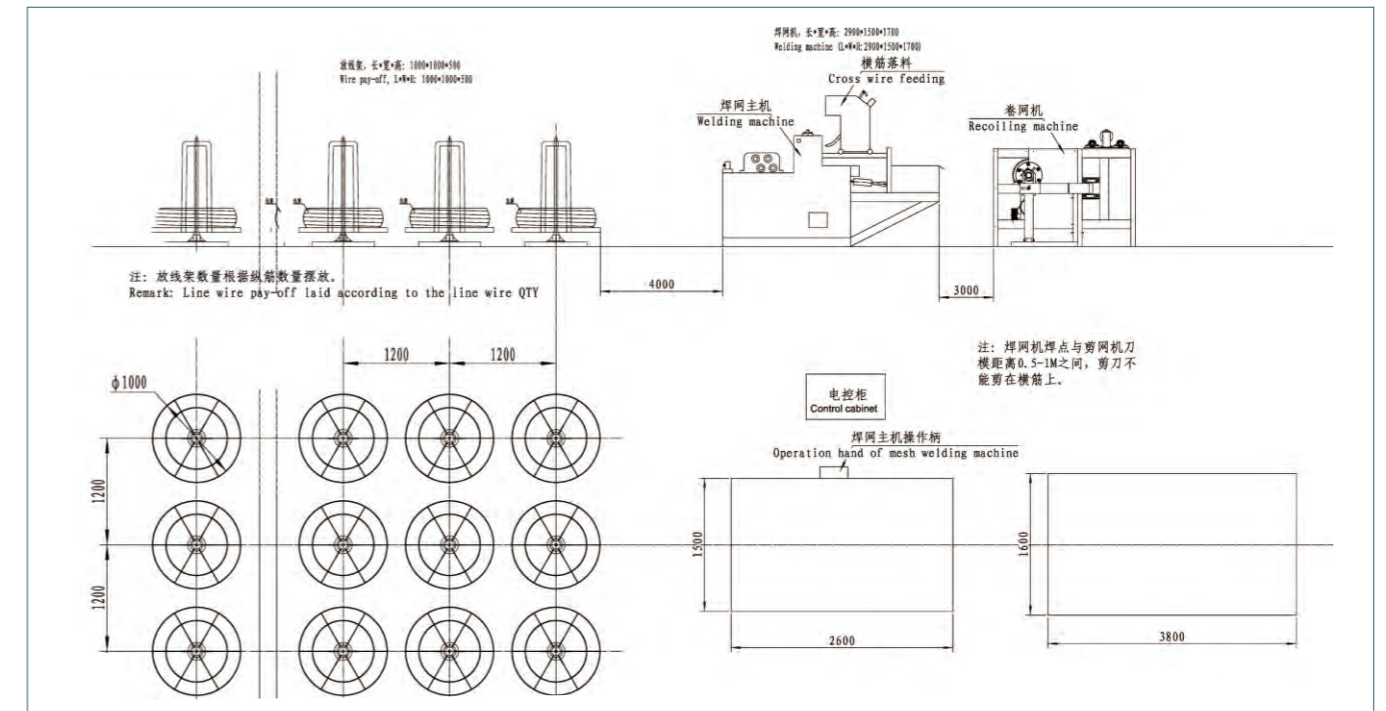
# 建筑用焊网机

## Construction mesh welding machine



# 建筑用焊网机布局图 (卷进卷出)

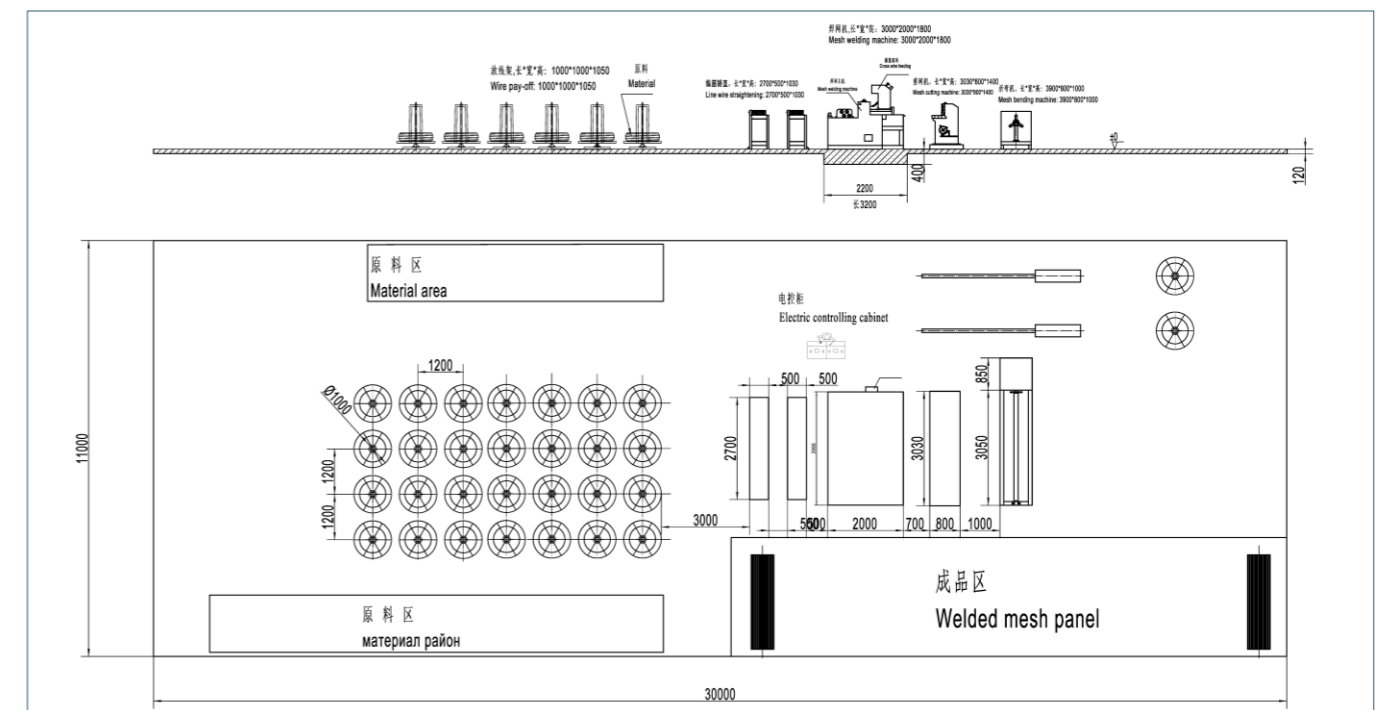
## The layout of construction mesh welding machine (coil in & coil out)



型号 Model	ABE-2/4-1250D	ABE-3/5-1600D	ABE-3/5-2100D	ABE-3/5-2500D
径丝丝径 Line wire	3-5mm, 卷/coil	3-5mm, 卷/coil	3-5mm, 卷/coil	3-5mm, 卷/coil
纬丝丝径 Cross wire	3-5mm, 预调直/Pre-cut	3-5mm, 预调直/Pre-cut	3-5mm, 预调直/Pre-cut	3-5mm, 预调直/Pre-cut
网幅宽度 Mesh width	1200mm	1600mm	2100mm	2500mm
纵径间距 Line wire spacing	5mm-100mm	5mm-100mm	5mm-100mm	5mm-100mm
横径间距 Cross wire spacing	50-200mm, 无极调节/endless adjustable			
焊点 Welding electrode	24	32	40	48
变压器 Transformer	400KVA	500KVA	630KVA	800KVA
丝径 Wire diameter	3.0mm-5.0mm			
最大焊接能力 Max welding capacity	5mm+5mm with standard quality			
最大焊接速度 Max welding speed	30-40 Cross wire/min. (次/分)			
出料方式 Mesh pulling way	数控/CNC			
线缆 Cable	3根截面积95平方毫米的铜线缆, 或者截面积为120平方毫米的铝电铝线缆, 机器之间和电源变压器的距离应小于30m 3*95mm <sup>2</sup> copper cable or 120mm <sup>2</sup> aluminum cable, the distance from the machine to the transformer should be less than 30m.			
焊接方式 Welding way	电阻焊由可控硅控制 (以下简称SCR) Resistance welding controlled by Silicon-controlled rectifier (hereinafter called as SCR)			
焊接电压 Welding voltage	电压调节范围大, 分为八个不同的等级 Adjustable in eight different grade sthrough welding transformer			
加压方式 Pressurizing way	通过加压拉杆和弹簧压缩的上电极 By changing the length of tie rod inpressurizing beam and the compression of the upper electrode spring			
横径送料方式 Cross wire feeding way	横径从料斗中由伺服电机一根一根地送入 The cross wire fall off the feeding hopper into welding automatically one by one driven by step motor			

# 建筑用焊网机布局图 (卷进片出)

## The layout of construction mesh welding machine (coil in & pcs out)

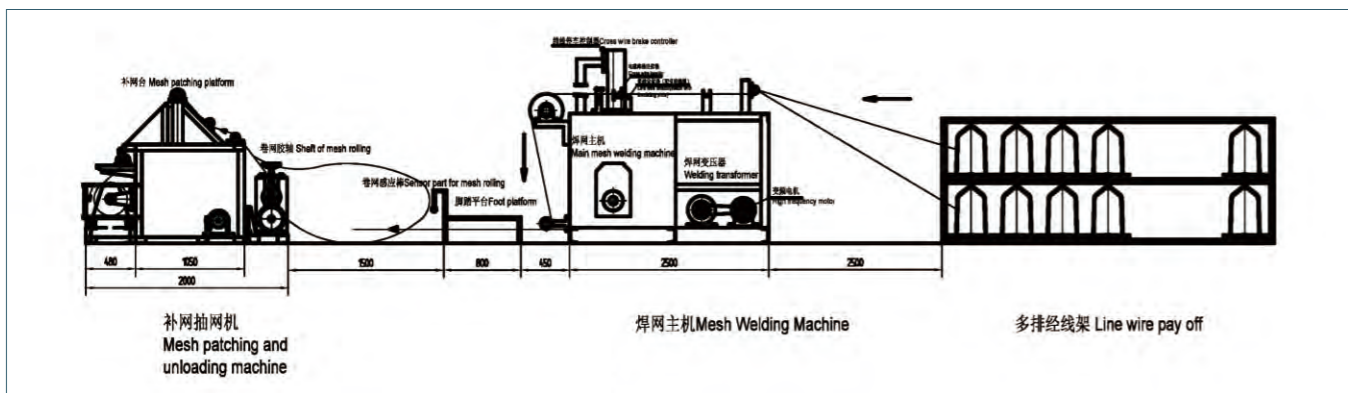


# 养殖网焊接设备

## Poultry mesh welding machine



Model 型号	ABE-HW1200	ABE-HW1500	ABE-HW1800	ABE-HW2500
Wire diameter 丝径	0.4-0.9mm / 0.6-1.0mm	0.8-1.8mm / 1.2-1.8mm	1.4-2.7mm	2-3mm
Mesh width 网宽	1200-900mm; 1500-900mm; 1800-1200mm; 2100-1800mm; 2500-1800mm			
Mesh opening 网孔尺寸	12.7-25.4mm	1x1/1x2/2x2 & 2x4 inches	1x1/1x2/2x2 & 2x4 inches	12.7-150mm
Welding speed 焊接速度	120/90次/分 strokes/min	100/90/70次/分 strokes/min	60-80次/分 strokes/min	40-50次/分 strokes/min
Mesh length 卷网长度	约/About 120m	约/About 100m	80-100m	100m



养殖网焊接设备布局图 The layout of poultry mesh welding machine

# 3D板焊接机

## 3D Panel welding machine



### Parameter

Wire diameter: 1.8-2.8mm  
 Distance between the two mesh sheets: 70 mm -150 mm  
 Wire mesh width max. : 1200 mm  
 Gap between the welded mesh and core: 13mm or 19mm  
 EPS plate material: Flame retardant polystyrene foam board or rock wool  
 EPS plate thickness: 66mm, 78 mm, 96mm, 108mm, 126 mm, 138mm  
 Wire inserting structure: Sparse or dense inserted in two sides or single side  
 3D panel length: min.: 2000 mm max. : 3000 mm  
 Welding leakage rate: ≤ 3%  
 Output: 360m<sup>2</sup>/8 hours  
 Welding strength: ≥ 450N/ welding point  
 Air supply: 3 m<sup>3</sup>/min, 0.8-1Mpa  
 Related power: 36KVA  
 Fixed part of the main machine (L\*W\*H) 6900mm×1860mm×1700mm  
 Length of main machine plus movable support of both sides 3,400+6,900+3,400= 13,700mm  
 Weight of main machine 4,500kg

### Description

The wire mesh-welding machine produces two mesh sheets. Then they are fed to the integrating machine in a vertical way, while the insulation material is placed between them. The 24 straightening and cutting sub-systems are fed with wire from their pay-off stations. Then the wire rods are fed through the insulation material and cut in pre-determinate lengths. The welding head moving in the predetermined steps, welds the wire rods to the appropriate positions, keeping the correct distance of the wire mesh sheets and producing the sandwich panel. A transporting roller conveyor moves away the finished product while the factory crane moves it to the storage area. A NC programmable wire mesh welding line model for the production of reinforcement wire mesh in sheets with line and cross wires fed from coil.

### 描述

3D板 (GJ板, 舒乐舍板机器, 钢丝网架聚苯板, 泰柏板) 是以三维空间钢丝桁架为骨架, 阻燃型聚苯乙烯 (EPS) 做为保温芯层, 外层喷灌细石混凝土或水泥沙浆的一种承重型墙体材料, 根据我国相关部门制定的规范可以建造 10m 以下自承重结构的房屋。根据欧美的技术规范, 单独使用 3D 板可以用于建造 7 层以下的自承重房屋的承重墙体以及屋面板和楼板。

舒乐板生产线由阻焊成型机、平网焊机以及与之配套的钢丝收排线机、钢丝折弯机、空压机及净化装置、气动补焊机和水泥沙浆喷灌机等组成, 年生产能力可达 45-60万 m<sup>2</sup>。配备电脑液晶触摸屏和行吊架一体化装置各控制单元采用模块化设计, 并具有多项自检功能, 设备的可维性好, 产品运行稳定可靠。

### 设备技术参数

钢丝直径: 1.8-2.8mm  
 两片焊接网片的间距: 70 -150 mm  
 网片最大宽度: 1200 mm  
 可同时生产网面和EPS板间距: 13mm 和19mm 两种形式的 3D 板  
 EPS板材质: 阻燃聚苯乙烯泡沫板或岩棉板  
 EPS板厚度: 66mm、78 mm、96mm、108mm、126 mm、138mm  
 插丝结构: 单、双面网疏、密插丝  
 舒乐板尺寸: 最小2000 mm, 最大 3000 mm  
 成型机漏焊率: ≤ 3%  
 生产能力: 360m<sup>2</sup>/8小时  
 焊接强度: 单点拉脱力≥ 450N  
 气源配置: 3 m<sup>3</sup>/min 0.8-1Mpa  
 额定功率: 36KVA  
 机器主机尺寸: (L\*W\*H) 6900mm×1860mm×1700mm  
 机器长度加两边滑动支架: 3400+6900+3400=13700mm  
 重量: 4500kg

# 3D桁架机

## 3D truss girder welding machine

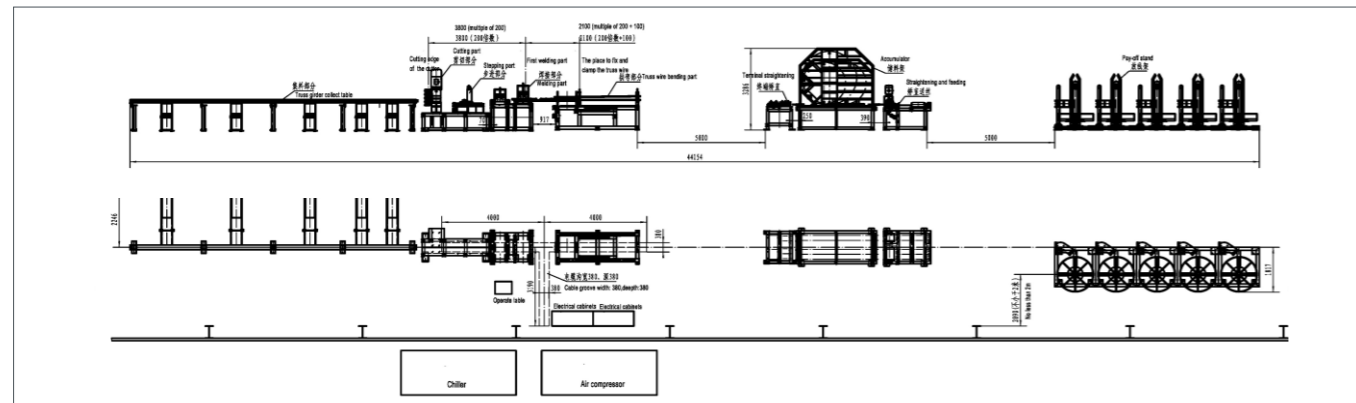


### Parameter

Material type: FeB44K, FeB32K, FeB38K (weldable)  
 Unitary yield stress : Max 600N/mm<sup>2</sup>  
 Unitary tensile stress : Max 700N/mm<sup>2</sup>  
 Elongation: >14%  
 Longitudinal wire diameter (upper): 8mm-12mm  
 Longitudinal wire diameter (lower): 8mm-12mm  
 Diagonal wire diameter: 5mm- 8mm  
 Production rate (maximum) : 10m/min  
 Girder height: 144mm  
 Girder internal base width: 80mm  
 Pace/stroke: 400mm/weld  
 Diagonal spacing: 200mm  
 Girder length : 6m or at customer's requirement  
 Cutting length : Multiples of 200mm

### 技术参数

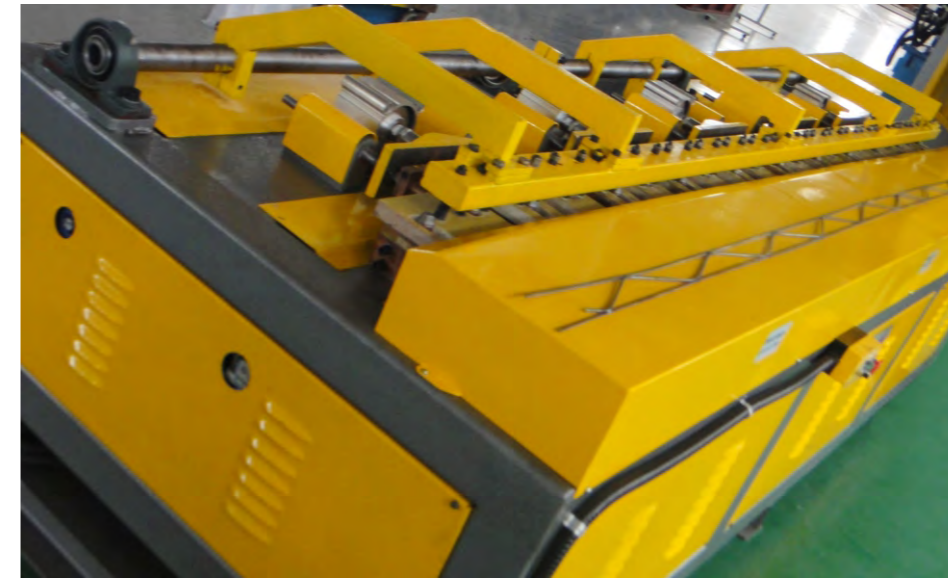
材质 : FeB44K, FeB32K, FeB38K (weldable)  
 屈服应力 : 最大 600N/mm<sup>2</sup>  
 拉伸应力 : 最大 700N/mm<sup>2</sup>  
 延长率 : >14%  
 上筋 : 8mm-12mm  
 下筋 : 8mm-12mm  
 腹杆 : 5mm- 8mm  
 生产速度 : 10m/min  
 桁架高度 : 144mm  
 桁架底梁间距 : 80mm  
 焊接间距 : 400mm/weld  
 腹杆波长 : 200mm  
 桁架长度 : 6米或根据客户要求  
 剪切长度 : 200mm的整数倍



3D桁架机布局图 The layout of 3D truss girder welding machine

# 平面桁架焊接设备

## Flat truss girder welding machine



### Parameter

Line wire diameter (upper): 3-5mm  
 Line wire diameter (lower): 3-5mm  
 Diagonal wire diameter: 3-5mm  
 Diagonal spacing: 300mm or according to customer's requirement  
 Straightening speed : 30m/min  
 Straightening ratio : ≤2mm/m  
 Cutting precision : ≤2mm  
 Designed forming force : 40 ton  
 Designed oil pressure : 25MPa  
 MAX. Length of bending : 3m  
 Mold Bending mold material: 65Mn  
 Mold Bending mold hardness: HRC58-62  
 Welding transformer : 125KVA×5  
 Welding pressure : 2500N-5000N stepless adaptable  
 Power-supplied voltage/frequency : 380V/50HZ  
 Power-supplied transformer : ≥160KVA

### 技术参数

上筋 : 3mm-5mm  
 下筋 : 3mm-5mm  
 腹杆 : 3mm- 5mm  
 弦距 : 300mm (可根据客户要求定制)  
 矫直速度 : 30m/min  
 矫直度 : ≤2mm/m  
 切断误差 : ≤2mm  
 成型力 : 40 吨  
 油压 : 25MPa  
 最大折弯长度 : 3m  
 折弯模具材质 : 65Mn  
 折弯模具硬度 : HRC58-62  
 焊接变压器 : 125KVA×5  
 焊接压力 : 2500N-5000N无级可调  
 供电电压/频率 : 380V/50HZ  
 所需供电变压器 : ≥160KVA

# 数控钢筋调直弯箍机

## ABE-12D Steel bar stirrup bender



### Structure

Pay-Off; Pre-adjusted assembly; Hauling assembly; Straightening assembly; Observation automatic door; Shear assembly; Bending assembly; Console; Bending arm telescopic cylinder; Bending servomotor; Shear motor; Hauling servomotor; Air compressor; Electric control cabinet

### Technical parameter

Item	Data
Single wire processing capacity	Φ5-12mm
Deformed steel bar double wire processing capacity	Φ5-10mm
Max bending angle	180°
Max bending speed	80-1050°/sec
Max pulling speed	75-110 m/min
Max length of the stirrup side	1000 mm
Min length of the stirrup side	110 mm
Length tolerance	±1 mm
Bending tolerance	±1°
Average air-compressed consumption	6 l/min
Average electric power consumption	6 - 8 Kw/hour
Labeled electric power	32Kw
Bending direction	bi-direction
working condition	-5°~40°

### 设备结构

放线架, 预调组件, 牵引组件, 调直组件, 观察自动门, 导向组件, 折弯组件, 控制台, 弯曲臂伸缩气缸, 折弯伺服电机, 剪切电机, 牵引伺服电机, 空压机, 电气控制箱。

### 技术参数

项目	参数
单线弯曲直径范围	Φ5-12mm
双线弯曲直径范围	Φ5-10mm
最大弯曲角度	180°
最大弯曲速度	80-1050°/sec
最大牵引速度	75- 110 m/min
最长箍筋边	1000 mm
最短箍筋边	110 mm
长度误差	±1 mm
折弯误差	±1°
平均压缩空气消耗	6 l/min
平均电耗	6 - 8 Kw/hour
设备总功率	32 Kw
弯曲方向	双向
工作环境	-5°~40°

# 气动高速调直切断机

## Pneumatic wire straightening and cutting machine



Its standard construction contains: pay-off, feeding system, straightening spinner system, pneumatic clutch cutting system, normal stocking rack, controller with PLC and Spare parts.

标准配置：主机一台、电控柜一台、卸线架12米（可加长或缩短）、护料架一件、上料架（固定式或转盘式选其一）。适用于新三级钢：本机的矫直部分独树一帜，适用于矫切盘圆，热轧、冷轧带肋钢筋及国家正在大力推广的新三级钢。控制智能化：本机采用可编程控制器（PLC）进行控制，操作、调整简单可靠。故障率低：由于零部件加工精细，质量控制严格，故安装调试后，在正常工作条件下，可长期保持无故障运行。

### High speed pneumatic wire straightening and cutting machine 高速气动调直切断机

Model	型号	ABE-GT5/10	ABE-GT6/12	ABE-GT10/14	ABE-GT8/14
Wire dia. 丝径	Rebar or round bar	Φ5-Φ10 mm	Φ6-Φ12 mm	Φ10-Φ14 mm	Φ8-Φ14 mm
	HRB335	Φ5-Φ8 mm	Φ6-Φ10 mm	Φ10-Φ12 mm	Φ8-Φ14 mm
	HRB400	Φ5-Φ8 mm	Φ6-Φ10 mm	Φ10-Φ12 mm	Φ8-Φ14 mm
Cutting length剪切长度		1-12 m, or according to customer' s requirement ( 可根据客户要求调整)			
Speed (3-grade adjusted)速度		70-100-130m/min			
Straightening ratio矫直比		≤2 mm/m			
Cutting tolerance剪切公差		Signal type, ≤±1 mm			
Total power 总功率		18.5+4 Kw	22+4 Kw	30+4 Kw	37+4 Kw

### CNC wire straightening anc cutting machine CNC调直切断机

Model	型号	ABE-GT5/10TW	ABE-GT6/12TW	ABE-GT10/14TW	ABE-GT8/14TW
Wire dia. 丝径	Rebar or round bar	Φ5-Φ10 mm	Φ6-Φ12 mm	Φ10-Φ14 mm	Φ8-Φ14 mm
	HRB335	Φ5-Φ8 mm	Φ6-Φ10 mm	Φ10-Φ12 mm	Φ8-Φ14 mm
	HRB400	Φ5-Φ8 mm	Φ6-Φ10 mm	Φ10-Φ12 mm	Φ8-Φ14 mm
Cutting length剪切长度		1-12 m, or according to customer' s requirement ( 可根据客户要求调整)			
Speed (3-grade adjusted)速度		70-100-130m/min			
Straightening ratio矫直比		≤2 mm/m			
Cutting tolerance剪切公差		Encoder type, ≤±15mm			
Total power 总功率		18.5+4+3Kw	22+4+3 Kw	30+4+3 Kw	37+4+3 Kw

# 高速调直切断机

## High speed wire straightening and cutting machine



### Description

The high-speed straightening and cutting machine designed by Anber machine is suitable to straighten and cut coil wire, hot rolled bar, cold rolled ribbed steel, it won't scab the rib, and less cutting tolerance, good straightness, easy operation and high efficiency. This machine is mainly composed of pay-off, straightening machine (double traction, chain drive) flying wheel cutting machine, electric cabinet, 12 meters collect rack.

### Technical parameters

Rib wire diameter: 3-10mm  
Material: HRB335 hot rolled steel rod; deformed and plain wire  
Speed: max. 160m/min  
Cutting length: 1-12m  
Cutting way: flying wheel

Straightening tolerance:  $\leq 2\text{mm/m}$   
Cut-to-length tolerance:  $\leq 2\text{mm}$  With approximate switch  
Total power: 15kw  
Total weight: 3000kg  
Machine size: 17m\*2m\*2m (L\*W\*H)



### 描述

由安博尔自主研发的高速调直切断机适合于盘元、热轧盘螺、冷轧带肋钢筋的调直与切断，具有不伤肋、无划伤、定尺准、无短节，直线度好，纵径不扭，强度损失小，操作方便，生产效率高等优点。本机主要由放线盘、调直机主机（双牵引，链条传动）飞锯切断机，配电柜、12米料架组成。

### 技术参数

钢筋直径：3-10mm  
材质：HRB335热轧钢筋，带肋钢筋或圆钢  
速度：160m/min  
剪切长度：1-12m  
剪切方式：飞锯

调直误差： $\leq 2\text{mm/m}$   
切断长度误差： $\leq 2\text{mm}$ ，接近开关控制  
总装机功率：15kw  
设备总重量：3000kg  
设备尺寸：17m\*2m\*2m (L\*W\*H)



# 机械式钢筋矫直切断机

## Mechanical wire straightening & cutting machine



Model	型号	ABE-MT3/5	ABE-MT4/8
Wire Dia.	调直直径	$\Phi 3-\Phi 5\text{mm}$	$\Phi 4-\Phi 8\text{mm}$
Cutting length	切断长度	1-6m, or according to customer's requirement (可根据客户要求调整)	
Straightening ratio	直线度	$\leq 2\text{mm/m}$	
Max. speed	最大速度	30m/min	
Cutting tolerance	切断误差	$\pm 5\text{mm}$	
Total power	总功率	3kw	4kw
Overall size	总尺寸 (不含收料部分)	1200*420*1200mm	

Mechanical wire straightening and cutting machine is mainly used to straighten and cut the wire to feed in the fencing mesh welding machine that the wire diameter is small.  
机械钢筋调直切断机主要用于切断小直径的钢丝，速度较低，适合小产量的生产。

# 液压调直切断机

## Hydraulic wire straightening & cutting machine



Model	型号	ABE-HT6/14	ABE-HT4/8
Wire Dia.	丝径	$\Phi 6-\Phi 14\text{mm}$	$\Phi 4-\Phi 8\text{mm}$
Cutting length	剪切宽度	1-12 m, or according to customer's requirement (可根据客户要求调整)	
Straightening ratio	矫直比	$\leq 2\text{mm/m}$	
Max. speed	最大速度	30m/min	
Cutting tolerance	剪切公差	$\pm 3\text{mm}$	
Roller diameter	卷径	$\Phi 140\text{mm}$	
Total power	总功率	18.5+5.5kw	15+4kw
Overall size 外形尺寸	Main parts 主要部件	2700*800*1250mm	
	Hydraulic station 液压站	1050*900*1120mm	
	Collection table 收料架	12000*600*1050mm	

Applications: smooth round steel plate, cold rolled ribbed steel bars, hot rolled ribbed steel bars, the straightening and cut-off  
Good straightening effect: Straightening ratio  $\leq 3\text{mm/m}$ , the surface almost no scratches, no distortion.  
Intelligent control: PLC programmable control, cut-length accuracy and can be adjusted, automatic counting, the number of downtime.  
Can be used to straighten the new III grade steel, the advanced way to ensure the straightening does not damage the cross-rib reinforced, without causing longitudinal ribs to reverse, the surface wear.  
Cutting method: hydraulic cutting, low noise, less wearing parts.  
应用范围：光面盘圆钢筋、冷轧带肋钢筋、热轧带肋钢筋的矫直和定尺切断。  
调直效果好：调直后的钢筋直线度 $\leq 3\text{毫米/米}$ ，表面基本无划伤，无扭曲。  
控制智能化：采用PLC可编程控制，定尺长度精确并可任意调节，自动计数，到数停机。  
适用于新三级钢：先进的调直方式保证了钢筋不损伤横肋、不造成纵肋扭转、表面磨损小。  
切断方式：采用液压切断、噪音小、易损件少。



# 半自动钢格板焊接机

## Steel grating welding machine



钢条厚度：2.5-5mm  
 钢条宽度：25mm-60mm  
 扭花直条：5-8mm  
 焊接板宽度：1M  
 焊接板长度：6M  
 产量：70-100平方米/架(8小时)  
 间距：25,30,40,50,60mm  
 横向间距：30mm,50mm,100mm,160mm  
 输入功率：3phase,380V/50Hz  
 变压器：200 kva  
 外形尺寸：16\*2.5\*1.5M  
 重量：4000kg

The machine adopts hydraulic device to control welding electrode;  
 bar range : 2.5-5mm  
 Bar width: 25mm-60mm  
 Cross bar range: 5-8mm(twisted square steel )  
 Welding panel width: 1M; length:6M  
 Production capacity : 70-100M2/shift (8hours ), one panel per two hours  
 Pitch of flat bar: 25,30,40,50,60mm  
 Pitch of cross bar: 30,50,100,160mmmm  
 Input power: 3phase,380V/50Hz  
 Welding transformer: 200 kva  
 Overall size: 16\*2.5\*1.5M  
 Weight : 4000kg

# 钢筋骨架滚焊机

## Pile cage welding machine



### ABGZ-300/1200型管桩焊机

本机是生产 300-600-800-1200/m超  
 高强度混凝土管桩钢筋骨架的专用焊机，  
 可广泛用于自应力、预应力先张法和后张  
 法的钢筋骨架笼体焊接成型。该机具有可  
 焊主筋直径大，主筋强度损失小、骨架  
 长、不扭曲、整体性能好，龙体螺距可任  
 意调节，成型快、性能稳定、操作维修简  
 便等优点，国内首创，设备部件全部国  
 产化，适国情。是生产用于海港、河  
 港、桥梁、驳岸、高层建筑及厂房基础工  
 程的超高强混凝土管桩的必备设备。

### ABGZ-300/1200 mode cage welding machine

This pipeline reinforce mesh welding machine is a special-purpose  
 welding machine of reinforcement frames for superstrength tubular  
 concrete piles with a diameter of 300、600、800、1200mm.It can widely  
 be used in welding auto stressed or prestressed reinforcement frames  
 either by pretension or posttension.The machine can handle large-  
 diameter principal steel bars with little loss in their strength and log-  
 length frames without twisting and warping,thus ensuring high overall  
 performance of the frame.The pitch of the frame can easily be adjusted  
 according to requirement and framing is time different .Being sable in its  
 performance and easy in its maintenance,the machine is the first of its  
 kind in China,utilizing exclusively domestic parts.it is used in the  
 fundamental construction projects,such as harbors,bridges,quays,high  
 rises and workshop buildings.

### ABGZ100/3000

#### 型排水管、下水管钢筋骨架滚焊机

本系列产品广泛用于混凝土排水管、下水  
 管、井壁管、输油输气管的钢筋骨架自动  
 滚焊。该机采用可控硅和光电控制等先进  
 技术，具有劳动强度低、生产效率高、制  
 成的钢筋笼体螺距均匀、钢度强等优点。  
 特殊规格、数据可根据用户要求加工生  
 产。

### ABGZ100/3000 model

#### concrete pipe reinforcement mesh welding machine

The Concrete Pipe Reinforcement Mesh welding machine are widely  
 used for automatic seam welding of reinforcement frames of concrete  
 pipes.such as sewer,drainpipes,pit shaft oil and gas pipes.The machine  
 employs advanced technologies of silicon controlled rectifier and photo  
 electronics control to such a degree that the labor intensity is greatly  
 reduced and the production efficiency is greatly reduced and the  
 production efficiency is greatly raised.The frames produced have uniform  
 pitch and high rigidity.It is also capable of producing special  
 reinforcement frames of specifications and requirements provided by  
 users.

### ABGZ110/230型管桩滚焊机

本系列产品用于混凝土管桩的生产，改变  
 管桩钢筋骨架手工成型工艺。我厂现生  
 产的管桩钢筋骨架滚焊机，采用调速电机牵  
 引纵向筋，电极焊块在环向钢筋缠绕纵向  
 筋的同时进行焊接。由于主变压器，通过  
 电极焊产生强大的电流，使互相交叉的  
 纵向筋、环向筋温度很快升高，直到成为  
 可塑状，此时在焊声的压力下，使接触点  
 焊牢。管桩焊机具有效率高、成型快、不  
 扭曲、强度高、省工、省时、减轻劳动强  
 度等优点。

### ABGZ110/230 model Pile cage welding machine

The pile cage welding machine is used for production of concrete  
 poles.The welding machine is with a speed regulating motor pulls the  
 longitudinal bars and the pile cage welding block makes the welding while  
 the circumferential steel bars wind round the longitudinal bars.The main  
 transformer generates a strong current through the electrode welding  
 block to make the crossed longitudinal and circumferential bars rise  
 quickly in temperature until they become plastic and then the contact  
 points are solidly welded under the pressure of the welding block.The  
 pole welder has such advantages as high efficiency,quick forming,no  
 twisting,high strength,labor and time saving and reduced intensity of  
 labor,etc.

The welder is composed two major parts of mechanical drive and  
 electrical control.



# 折弯机

## Fence bender



The mesh bending machine is a machine which used to bend the fences. All the types of the mesh bending machine have simple control and (depending on the type) cover all the specifications and requirements for the bending of the mesh. The bending angle and the bending size can be changed through change the mold.

折弯机是一种金属材料加工的通用设备，采用较简单的模具，压制成各种角度的几种形状，如配备不同样式的模具，可以完成理想的折弯工艺、压制各种成形样板。折弯的角度和尺寸可以根据更换模具来实现。

### Technical Parameters 技术参数

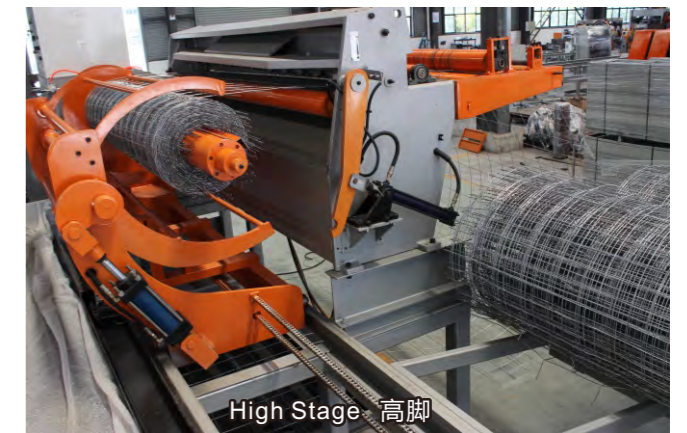
Model 机床型号	Force 公称压力	Width 折弯宽度	Power 电机功率	Overall size 尺寸	Weight 机器重量
ABE-ZW-16t/1300	160KN	1300mm	3.0kw	1860*750*1700	1.2T
ABE-ZW-40t/2000	400KN	2000mm	5.5kw	2840*800*2080	2.6T
ABE-ZW-50t/2500	500KN	2500mm	5.5kw	3340*1000*2100	3.6T
ABE-ZW-80t/2500	800KN	2500mm	7.5kw	3340*1000*2100	4.57T
ABE-ZW-100t/2500	1000KN	2500mm	7.5kw	3340*1000*2200	5.5T
ABE-ZW-80t/3200	800KN	3200mm	7.5kw	4040*1100*2200	5.8T
ABE-ZW-100t/3200	1000KN	3200mm	7.5kw	3800*900*2300	6.3T
ABE-ZW-160t/3200	1600KN	3200mm	15kw	3810*1100*2400	7.5T
ABE-ZW-100t/4000	1000KN	4000mm	7.5kw	4680*1100*2300	7.5T
ABE-ZW-160t/4000	1600KN	4000mm	15kw	4700*1100*2400	10.0T
ABE-ZW-200t/4000	2000KN	4000mm	18.5kw	4700*1200*2600	15.0T

# 收卷机

## Mesh coiling machine



Low Stage 低脚



High Stage 高脚

### 全自动收卷机 / Automatic Coiling Machine

There is block shield to avoid it may pop up and beat the workers when the mesh get cut. The coil can be push to the other side, and roll down automatically.

当网被剪切时，挡板可以避免其弹出，以保障操作人员的安全，卷取的线圈可以推到另一边，自动落料。

型号 Model	ABE-ZSJ-2400	ABE-ZSJ-3000
网宽 Mesh width	2400mm	3000mm
最大卷厚 Max. thickness	250mm	
收卷长度 Length of coil	30mm-50mm	
机器尺寸 Machine size	3200x1000x1400mm	3800x1100x1500mm
控制方式 Control type	Fullauto/全自动	



### Fine Mechanical Coiling Machine 机械收卷机

This welded mesh coiling machine is for the light welded mesh coil. 这种焊接网收卷机是专门针对轻型电焊网片的收卷。

Model 型号	ABE-QSJ-2000	ABE-QSJ-2500
Mesh width 网宽	2000mm	2500mm
Max.coil thickness 最大卷厚	120mm	120mm
Length of the coil 收卷长度	30-50m	30-50m
Machine size 机器尺寸	2.5 x0.7x1.2m	3x0.8x1.2m

# 直进式拉丝机

## Straight Line Wire Drawing Machine



### Technical parameters

Capstan material: Based body 45 steel, working surface sprayed with carbonside tungsten alloy powder, hardness above HRC60, surface roughness 3.2Ra. Capstan cooling: internal narrow seam water-cooling (external can use wind force, wear silk). Transmission system: LZ350-LZ560 wire drawing machine drive through one grade or two grade with a strong narrow V belt smoothly.

### 技术参数及特点

卷筒: 采用铸钢喷碳化钨 (或堆焊耐磨合金), 硬度HRC > 60, 耐磨性好, 表面粗糙度3.2Ra。冷却方式采用窄缝式冷却和环形风冷。

锥度设计合理: 保证不垮线、不乱线。

LZ450-LZ1200 with a powerful drive system which is one grade narrow V belt and one grade hardened gear (vehicle offset spiral bevel gear with) transmission, coincident with high, smooth transmission, low noise; can also use a strong Narrow V belt drive gear box + standard hardened. The die box: The boxes is lubrication and cooling cavity, using the Hough model (pressure), box can be universal

传动系统: LZ350~LZ560型拉丝机采用一级或两级强力窄V带传动, 传动平稳。LZ450~1200传动系统采用一级强力窄V带+一级硬齿面齿轮副 (汽车用带偏置螺旋伞齿轮副) 传动, 重合度高、传动平稳、噪声小; 亦可采用一级强力窄V带+标准硬齿面齿轮箱传动。

adjustment, die size: for users provide (the common use  $\phi$  40mm\*20mm). Rotary die boxes, pressure mold and mold box mix gray box device are for chosen. Tuning Device: The tuning roller has a sprayed surface and is wear-resistant, and adopts pneumatic reverse tension tuning with the tension constantly adjustable.

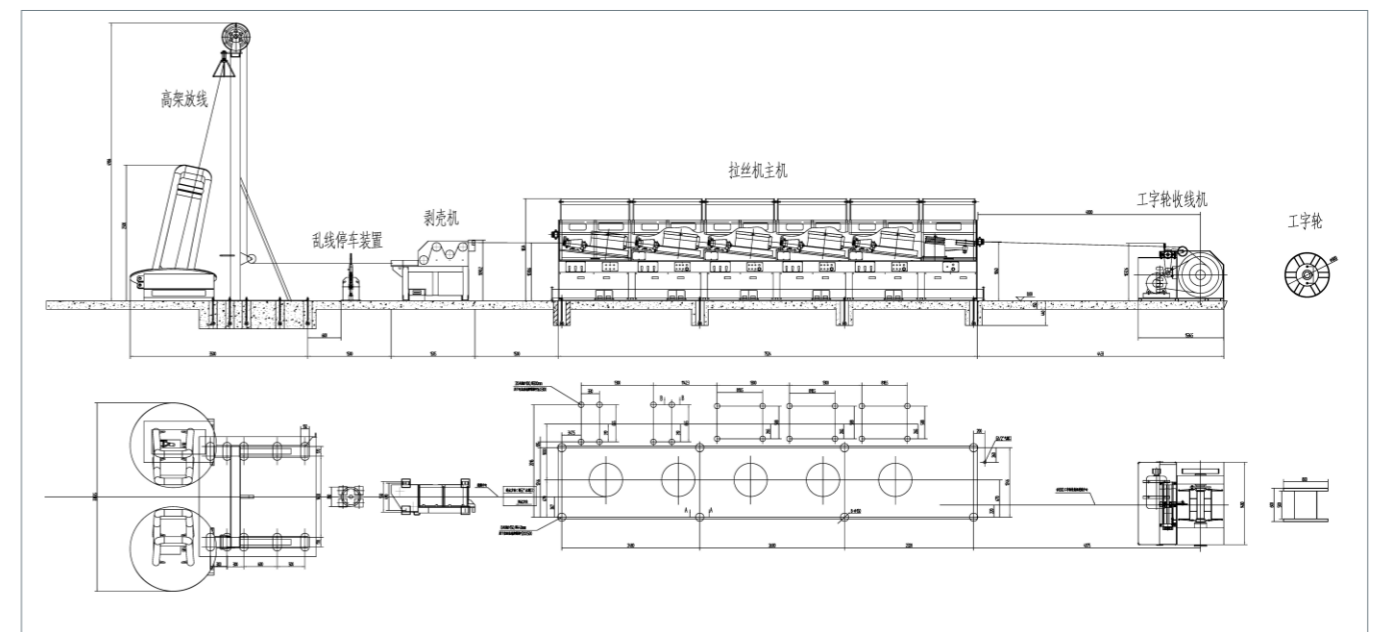
模盒: 水冷, 安装合理、上下左右可调、设有压线装置, 减小线的振动, 不易产生花线。可选旋转模盒、压力模盒及模盒搅灰装置。

调谐装置: 调谐辊表面喷涂, 耐磨损; 采用气动反张力调谐, 张力恒定可调。

型号 Model	ABE-LZ1200	ABE-LZ900	ABE-LZ800	ABE-LZ700	ABE-LZ600	ABE-LZ560	ABE-LZ500	ABE-LZ450	ABE-LZ400	ABE-LZ350	ABE-LZ300
卷筒直径(mm)	1200	900	800	700	600	560	500	450	400	350	300
Drawing passage 拉拔道次	5-9			2-9			2-11				
Incoming dia. 最大进线直进 (mm)	18.0-14.0	14.0-19.0	12.0-10.0	10.0	8.0	6.5	5.5	5.0	4.2	3.6	2.8
Outgoing dia. 最小成品直径 (mm)	9.0-6.0	6.0-4.0	3.2-2.2	2.2	1.6	1.3	1.2	1.0	0.75	0.6	0.5
Total compressibility 总压缩率 %	82-85			84-86			89.4		90		
Max. Wire drawing speed 最高拉伸速度 (m/s)	6	8	8	10	10	12	15	18	18	20	25
Single motor power 拉伸功率 (kw)	90-160	90-132	90-130	55-90	45-90	37-75	22-55	22-45	11-37	7.5-22	7.5-15
Material Suitable for Drawing 适宜拉拔材料	Weldingrod;weldingwire(gas-protectionweldingwire,submerCapstandia. ged arc welding wire, flux-cored welding wire); steel wire (high, medium and low carbon steel wire, stainless steel wire, pre-stressed steel wire, tyre bead steel wire, rubber tube steel wire, spring steel wire, steel cord, etc.); wire and cable (aluminum-clad steel wire, copper wire, aluminum wire); alloy wire and other metal wire. 焊条; 焊丝(气保焊丝、埋弧焊丝、药芯焊丝等); 钢丝(高、中、低碳钢丝, 不锈钢丝, 预应力钢丝, 轮胎钢丝, 胶管钢丝, 弹簧钢丝, 钢帘线等); 电线电缆(铝包钢丝、铜丝、铝丝等); 合金丝等各种金属线材。										

### 直进式拉丝机布局图

### The layout of straight Line Wire Drawing Machine



# 滑轮式拉丝机

## Pulley Type Continuous Wire Drawing Machine



### Description

The pulley type continuous wire drawing machine has the characteristics of simple structure, low cost, and easy operation, and it is suitable for drawing a variety of medium and thin fiber material, especially for mild steel wire, galvanized iron wire, steel head wire, stainless steel wire, rubber hose steel wire, spring steel wire, rod welding wire and copper wire aluminum rod, etc.  
 Scope of application: gas-protection welding wire, welding electrode, stainless steel wire, galvanized iron wire, bullet and hard wire, copper wire, and metal product wire, etc.

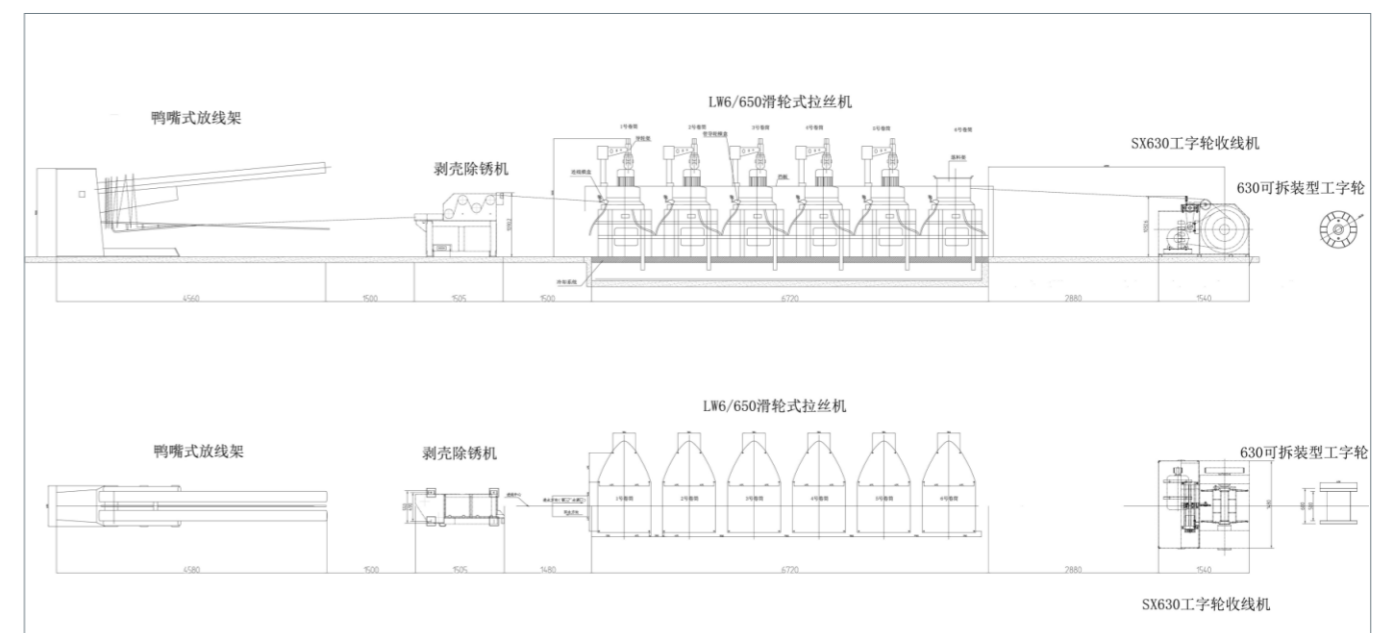
### 设备描述

滑轮式拉丝机具有结构简单、价格低廉、操作方便等优点。采用变频调速、节能环保。适宜拉拔中细规格的各种金属线材，特别适宜拉拔低碳钢丝、镀锌铁丝、不锈钢丝、焊条焊丝及铜线铝线等。

Model 型号	ABE-LW600	ABE-LW560	ABE-LW450	ABE-LW400	ABE-LW350
Capstan dia. 卷筒直径(mm)	600	560	450	400	350
Material strength 最大进线强度(Mpa)	1150				
Drawing passage 拉拔道次	1-9		1-9		
Max. inlet wire dia. 最大进线直径(mm)	6-8	6.5	4.5	2.8	2.5
Min. outlet wire dia. 最小出线直径(mm)	2	1.2	0.8	0.6	0.4
Max. drawing speed 最高拉伸速度(m/min)	200	245	200	288	200
Total power 拉伸功率(kw)	22-37		7.5-18.5	5.5-15	3-7.5
Material 适宜拉拔材料	Material : Suitable for Drawing Welding rod; welding Wire (gas protection welding wire and submerged arc welding wire); steel wire (medium, low carbon steel wire, stainless steel wire); Wire and cable (copper wire, aluminum wire) and other metal wires* Various combined drawing equipment can be designed according to the customers' requirement. 适宜拉拔材料：焊条；焊丝（气保焊丝、埋弧焊丝）；钢丝（中低碳钢丝，不锈钢丝等）；电线电缆（铜线铝线）等金属材料。				

### 滑轮式拉丝机布局图

#### The Layout Of Pulley Type Continuous Wire Drawing Machine



# 直进式冷轧带肋钢筋生产线 Rolling Cassettes Plant



## Technical parameter

Capstan dia.: 600mm  
 Incoming wire dia.: 6.5mm, 6.0mm and 5.5mm  
 Outgoing wire dia.: 3-5mm  
 Total compressibility: 85%  
 Wire roller speed: 10m/s  
 Single motor power: 35 KW  
 Capstan number: according to the inlet wire diameter and outlet wire diameter  
 Gear description: Angular milling gear  
 Lubrication of gears and bearings: Oil pump compulsion lubrication

## 技术参数

卷筒直径：600mm；  
 卷筒数量：根据客户要求配置；  
 进丝直径：6.5mm, 6.0mm, 5.5mm；  
 出丝直径：3-5mm；  
 总压缩率：85%；  
 拉丝 & 轧机速度：10米/秒；  
 单头电机功率：35KW；  
 齿轮：角铣齿轮；  
 齿轮和轴承润滑：油泵润滑系统

## Related accessory machine 辅助机械



Spooler wire take-up 工字轮收线机



Wire descaling machine 剥壳机

## General description

The rolling cassette plant equipped with carbide die (cassette) instead of fixed wire drawing die, it is installed upon the straight line wire drawing machine, the cassette matched with angular cutter gear and mump lubricate system, to produce the low carbon, middle carbon and high carbon steel wire, also can produce the copper, aluminum and titanium, it increased the drawing and rolling speed.

## 设备描述

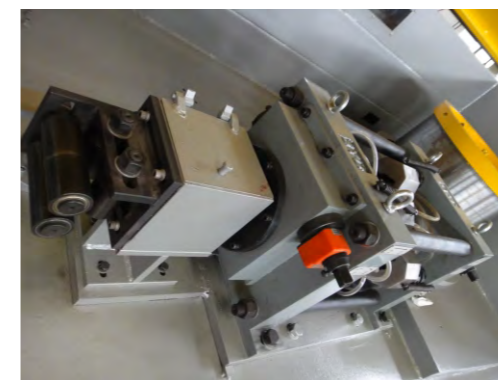
装有滚动硬质合金模（轧辊）的小型轧机，替代固定的拉丝模，配合安装在直进式拉丝机组上面，带有角铣齿轮和油泵润滑系统，用于轧制低碳、中碳和高碳钢光圆、带肋钢筋线材的生产，也可以生产铜、铝和钛的线材，还可以用于钢丝绳或铜绳的生产，通过提高总的压缩率，进而大大提高了拉丝和冷轧的速度。

## Related hh

Mechanical wire descaling machine, butt welding machine, wire pointing machine, SG800 spooler wire take-up, hydraulic wire pay-off

## 600直进式拉丝冷轧机选配辅机

机械剥壳机，对焊机，轧尖机，SG800工字轮收线机，液压高架放线架。



Rolling cassette mold 轧机



Controlling cabinet 控制柜



Hydraulic wire pay-off 液压高架放线架

# 倒立式拉丝机 Vertical Wire Drawing Machine



**Description:** Inverted vertical drawing machine is no sliding mode to draw low carbon steel wire, stainless steel wire, steel wire and non-ferrous metal in the coarse, diameter and development equipment, applicable to the standard parts industry, supermarket shelves manufacturing industry, wire processing enterprises.

**Machine features:** Use strong narrow v-belt combination harden tooth reducer or pendulum ring reducer; heavy recoiler; Capstan is forced air cooling; Pneumatic pressure wheel; Recoil is auto and ID can be adjusted; AC frequency speed adjustment; easy operate, safe and reliable, energy saving more than 30%.

**描述:** 本公司生产的倒立式拉丝机是以无滑动的方式拉拔中、低碳钢丝、不锈钢丝、异型钢丝及有色金属粗、中直径而开发的设备, 适用于标准件行业、超市货架制造行业、钢丝来料加工企业。

**特点:** 传动系统采用一级强力窄V带组合硬齿面减速机或摆环减速机; 收线盘重大; 卷筒强制风冷; 气动压轮; 下线盘自主动力且下线圈径可调; 交流变频调速, 机台操作方便, 安全可靠, 节能30%以上。

Item/项目	Unit/单位	ABE-WL560	ABE-WL600	ABE-WL750	ABE-WL800	ABE-WL900	ABE-WL1000	ABE-WL1200
Capstan dia. 卷筒直径	mm	560	600	750	800	900	1000	1200
Drawing speed 拉拔速度	m/min	25	25	20	20	20	20	20
Max drawing dia. 最大进线直径	mm	8-10	12	14	8-14	10-16	12/18	25-30
Max. speed 最大线速度	m/min						60	35
Single reduction rate 单道次减面率		20%-30%						
Control method 控制方法		Frequency speed adjust / 变频调速						
Recoil motor 收线盘电机	kw	3						
Motor power 主电机功率	kw	15-18.5	22	30	37/45	37/45	55/75	75
Gearbox model 齿轮箱尺寸	JZQ	560	600	750	800	900	1000	1200
Weight 重量	kgs	1300	2300	2700	3500	3500	3500	6000

# 辅助设备 Accessory Machine

工字轮收线机/放线机  
Spooler Take-up / Spooler Pay-off



Model 型号	Wire dia. (MM) 丝径	Winding speed (m/min) 收放线速度	Spooler dia. (MM) 工字轮尺寸	Power (KW) 功率	Size (MM) 外形尺寸	Weight (KG) 重量
ABE-BN300/400	0.7-1.5	15	300-400	7.5	1300x960x828	760
ABE-BN400/600	2.5	8	400-600	11	900*1300*2050	847
ABE-BN500	1.5-3.5	7.5	630*355*400	11	1933*1282*1043	1404
ABE-BN630	2-4.8	8	500-630	18.5	2050*1450*1150	1800
ABE-BN730	0.6-2.2	15	730*380*480	11	2500*1770*1150	2500
ABE-BN800	0.8-3.0	20	800*400*500	11	2590*1770*1150	2540
ABE-BN1000	2-3.5	20	800-1000	22	2475*2050*1265	2640
ABE-BN1150	3-4	7.5	1000-1150	18.5	2400*1025*1065	3720
ABE-BN1250	5-7	10	1150-1250	37	1720*1400*1343	3720
ABE-BN1400	4-8	1.5-6	1400	22-45	2760*2100*1640	4700
ABE-BN1600	4-8	0.17-1.0	1600	75	3000*2500*1800	8200
ABE-DX400	0.9-2	6	400	7.5	12400*1900*1800	10000
ABE-DX600	2-5	0.05-0.5	600	13	15800*246*2300	17700

## 象鼻子卸线机 Dead Block Recoiler



This wire discharging machine belongs to ordinary non-stop wire unloading machine which is equipped with a die box for making skin pass.

象鼻子卸线机适用于拉丝机组连续拉拔不停车成卷收线。

Model 型号	ABE-560B	ABE-600B	ABE-700B
Coiling material 收卷材料	Low carbon steel, mid carbon wire steel 低碳钢丝、中碳钢丝		
Drawing capstan dia. 卷筒直径(mm)	560	600	700
Wire dia. 收线直径(mm)	1-3	1.5-4.5	3-8
Loading weight 收线积丝重量(kg)	1000	1000	1500
Motor power 电机功率(kw)	15	18.5	22
Overall size 外形尺寸(mm)	2070x1200x1950	2070x1200x1950	2170x1400x1950
Weight 重量(kg)	1200	1500	1800

## 井式退火炉 Well Type Annealing Furnace



### 设备用途

该炉适用于各种金属件的光亮退火处理，如钢材、铜材等金属制品。

### 设备组成

- 1.炉体：外壳由3mm钢板卷制而成，并设有加强型钢。内衬用硅酸铝纤维棉或砖及定型砖砌成，均匀环形嵌砌搁砖，搁砖上放置电阻丝。
- 2.炉盖：炉盖采用25mm钢板制成，炉盖下部设有保温层结构。
- 3.真空充氮管道：炉盖上装有真空压力表，供抽真空及充氮气时用的管道、阀门（接头为即插即用型），还配有压力安全保护装置。
- 4.炉罐：料罐采用8mm不锈钢制造，罐底焊有加强筋，罐顶配有冷却水套，砂封装置，并配有紧固螺栓。
- 5.加热元件：可选0Cr25Al5、0Cr27Al7Mo2或Cr20Ni80合金丝环绕而成。
- 6.密封装置：炉盖与炉罐之间采用内外双层复合结构密封，内层用石墨石棉条，外层用耐油耐温的硅橡胶，为密封装置的使用寿命，特设有水冷却装置。
- 7.水冷却装置：由上、下两套，分别焊接在炉盖及炉罐法兰边，用于保护密封材料。

### 设备特点

本炉采用优质保温材料及耐火材料结构砌筑，具有保温性能好，低功耗。炉盖与炉胆之间密封采用复合结构，内层用石墨石棉条，外层用耐油耐温的硅橡胶。控温采用日本进口数字仪表，PID控制，控温精度高。开关元件采用SSR(固态继电器，是可控硅的升级产品，工作时无声音、火花，使用寿命长)。

### Furnace Body

The shell is rolled of 4mm steel plate, with strengthening profiled bar. The inside lining is built of aluminum silicate fiber cotton or bricks and typing bricks that placed evenly. Resistance wire is put on the bricks.

### Furnace Cover

The furnace cover is made of 25MM steel plate. An insulating course is made the under-part of the cover. There is a vacuum pressure gauge set on the furnace cover. The pipeline and the valve (The joint is plug and play type.) for vacuumizing and admitting Nitrogen is furnished with pressure safety device. The furnace retort is made of 8MM stainless steel. A stop-off strip is welded on the bottom. On the top, there's a cooling water jacket and a sand seal device with binding bolt. Heat Element: There are three kinds of resistance wire, 0Cr25Al5, 0Cr27Al7Mo2 and Cr20Ni80, for coiling.

Sealed Device: The furnace cover and retort are sealed by dual layer composite structure. The inner layer is graphite asbestos sliver; the outer layer is oil-proof and temperature resistant Silastic. A water-cooling apparatus is set especially for prolonging the life time of the sealed device.

Water Cooled Device: Water Cooled Device includes two set that separately welded on the flange of the furnace cover and the furnace retort to protect the sealing materials.

### Salient Feature

This kind of furnace is built of fine quality heat insulator and refractory material. It has the advantage of good heat-insulating property and low energy consumption. Temperature-controlled precision keeps high by PID control of a Japanese digital instrument. SSR, which is a solid-state relay, the upgrading products of controlled silicon, is used for the switching element. SSR also has advantages of long usage life and no sound, no sparkle on working time.



### Specifications

Rated power: 90kw  
Rated voltage: 380v  
Phase number: 3  
Heating area: 2  
Connecting from: YY  
Rated temperature: 950°C  
Stock bin size: Φ800mmx1600mm  
Vacant furnace power consumption: 18kw  
Vacant furnace temperature rising time: 3.5hours  
Max.load: 1100kg  
Overall dimensions: 2000x2000x2500mm  
Weight: 4800kg

### 技术参数

额定功率: 90KW  
额定电压: 380V  
相数: 3  
加热区: 2  
接线方法: YY  
额定温度: 950°C  
装料框尺寸: Φ800mmx1600mm  
空炉损耗功率: 18KW  
空炉升温时间: 3.5小时  
最大一次装载量: 1100KG  
外形尺寸: 2000x2000x2500mm  
重量: 4800KG

## 对焊机 Butt Welding Machine

### Description

Butt welding machine, is also called butt welder, it is the accessory machine for the wire drawing line, it is used to weld the wire together when the wire broken in the drawing process.

对焊机是采用手动或弹簧加压，用电阻焊接法和闪光焊接法实现对低碳钢、中碳钢、部分合金钢和有色金属的各种棒、环、板条、管。等型材进行焊接。本系列对焊机是一种专门焊接黑色金属及有色金属丝的专用设备。



Model 型号	Material to Be Welded 焊接范围 (mm)			Power 电机功率 (Kw)
	Iron 铁	Copper 铜	Aluminum 铝	
ABE-UN-2	φ0.8-0.3	φ0.5-2		2
ABE-UN-5	φ1-4			5
ABE-UN-10	φ2-6.5	φ1-4		10
ABE-UN-15	φ3-8	φ2-6.5		15
ABE-UN-20	φ4-10			20
ABE-UN-25	φ8-12	φ3-8	φ2-9.5	25
ABE-UN-40	φ8-16			40
ABE-UN-60	φ10-18			60
ABE-UN-75	φ12-20	φ6-12		75
ABE-UN-100	φ12-25			100



Vertical Pay Off Stand 高架放线架



Wire-Descaling Machine 剥壳机



Arm Type Pay Off 鸭嘴式放线架



## 吊丝机 Hoist Unloading Machine

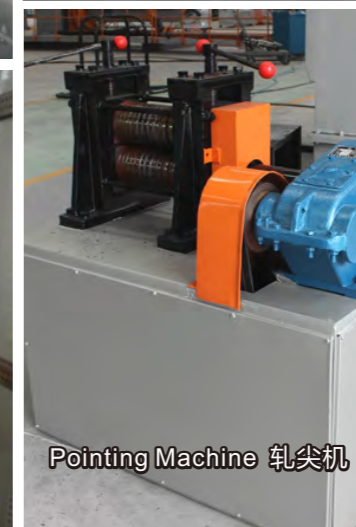
Hoist discharging machine is especially for the wet type wire drawing machine and pulley type wire drawing machine that wire coil is coiled in stand-up type.

吊丝机作为水箱式拉丝机、滑轮式拉丝机系列选配辅机，适用于立式卷筒卸线。

Model/型号	ABE-DSH500	ABE-DSH350
Max. hoisting capacity 最大吊重(Kg)	500	350
Lift 提升行程(mm)	2650	2500
Speed 提升速度(M/min)	8	6.4
Boom over handing 悬臂横向伸缩距离(mm)	1230	1085
Motor power 电机功率(Kw)	2.2	1.1
Total weight 重量(Kg)	600	300



Controlling cabinet 控制柜



Pointing Machine 轧尖机



Oscillating type  
tip rolling machine  
摇摆式轧尖机

# 焊网尺寸表

## Size of welded wire mesh

Model 型号	Line Wire 纵径			Cross Wire 横径			Weight (kg/m <sup>2</sup> ) 重量		
	Dia.(mm) 丝径	Spacing(mm) 间距	Area(mm <sup>2</sup> ) 面积	Dia.(mm) 丝径	Spacing(mm) 间距	Area(mm <sup>2</sup> ) 面积			
A14	14	200	770	12	200	566	10.49		
A12	12		566	12		566	8.88		
A11	11		475	11		475	7.46		
A10	10		393	10		393	6.16		
A9	9		318	9		318	4.99		
A8	8		252	8		252	3.95		
A7	7		193	7		193	3.02		
A6	6		142	6		142	2.22		
A5	5		98	5		98	1.54		
B14	14		100	1539		10	200	393	15.19
B12	12			1131		8		252	10.90
B11	11			950		8		252	9.43
B10	10			785		8		252	8.14
B9	9			635		8		252	6.97
B8	8	503		8	252	5.93			
B7	7	385		7	193	4.53			
B6	6	283		7	193	3.73			
B5	5	196		7	193	3.05			
C14	14	150		1027	12	200		566	12.51
C12	12			754	12			566	10.36
C11	11			634	11			475	8.70
C10	10			523	10			393	7.19
C9	9			423	9			318	5.82
C8	8		335	8	252		4.61		
C7	7		257	7	193		3.53		
C6	6		189	6	142		2.60		
C5	5		131	5	98		1.80		

Model 型号	Line Wire 纵径			Cross Wire 横径			Weight (kg/m <sup>2</sup> ) 重量		
	Dia.(mm) 丝径	Spacing(mm) 间距	Area(mm <sup>2</sup> ) 面积	Dia.(mm) 丝径	Spacing(mm) 间距	Area(mm <sup>2</sup> ) 面积			
D14	14	100	1539	12	100	1131	20.98		
D12	12		1131	12		1131	17.75		
D11	11		950	11		950	14.92		
D10	10		785	10		785	12.33		
D9	9		635	9		635	9.98		
D8	8		503	8		503	7.90		
D7	7		385	7		385	6.04		
D6	6		283	6		283	4.44		
D5	5		196	5		196	3.08		
E14	14		150	1027		12	150	754	13.99
E12	12			754		12		754	11.84
E11	11			634		11		634	9.95
E10	10			523		10		523	8.22
E9	9			423		9		423	6.66
E8	8	335		8	335	5.26			
E7	7	275		7	257	4.03			
E6	6	189		6	189	2.96			
E5	5	131		5	131	2.05			

Welded Fence Specification:

- 1.Post: sqyare,round,peach,security,.diametet 3.0-6.0cm [round tube] 3.0 x 3.0cm-7.0x7.0cm [square tube] .
- 2.Border: diameter 2.0-8.0cm [round] 1.0x2.0cm-4.0x8.0cm,2.0x2.0-8.0x8.0cm [square tube] .
- 3.Height: 0.5-0.4m
- 4.Post spacing: 3.5 or less.
- 5.The mesh wire diameter: 2.5mm-5.5mm
- 6.Mesh opening:3.0cmx6.0cm-7.5cmx15.0cm [rectangular hole] 3.0cmx3.0xm-7.5cmx7.5cm [square tube]
- 7.Surface treatment: heat zinc,dip,spray,sand blasting,electrostatic spraying.
- 8.Color: green-based (yellow,blue,etc.).
- 9.Emburied: 500x300x300mm

焊接护栏规格:

- 1.立柱: 方形柱 圆形柱 桃型柱 新型防盗柱, 直径3.0-6.0cm [圆管] 3.0 x 3.0cm-7.0x7.0cm [方管] .
- 2.边框: 直径2.0-8.0cm [圆管] 1.0x2.0cm-4.0x8.0cm,2.0x2.0-8.0x8.0cm [方管] .
- 3.高度: 0.5-0.4m
- 4.立柱间距: 3.5m以内.
- 5.网片丝径: 2.5mm-5.5mm.
- 6.网片网孔: 3.0cmx6.0cm-7.5cmx15.0cm [长方孔] 3.0cmx3.0xm-7.5cmx7.5cm [正方形] .
- 7.表面处理: 热镀锌. 浸塑. 喷塑. 喷砂. 静电喷涂等.
- 8.颜色: 以绿色为主 (黄色, 蓝色等) .
- 9.预埋: 500x300x300mm



## 焊网生产线询盘需求表 Selection Guidance for Mesh Welding Production Line

Important Customer Details重要客户信息						
Name 名字	_____ *		Country 国家	_____ *		
E-mail 邮箱	_____		Power supply 电力要求	_____ V * _____ Hz *		
Project 项目性质	<input type="checkbox"/> First purchase of expanded metal mesh line 新建项目 <input type="checkbox"/> Expanding plan on expanded metal mesh line 扩展项目					
Raw material to weld 原材料						
Material 材质	<input type="checkbox"/> Low carbon steel 低碳钢丝 <input type="checkbox"/> Galvanized steel wire 镀锌铁丝 <input type="checkbox"/> Other Steel 其他材质: _____ Steel NO. 牌号 _____					
Line wire 纵筋	Line dia. 丝径 _____ mm *	Feeding type送料方式: <input type="checkbox"/> In coil卷料 ( _____ kg per coil卷重 ) Pre-cut 预调直: ( _____ mm length长度 )				
Cross wire 横筋	Line dia. 丝径 _____ mm *	Feeding type送料方式: <input type="checkbox"/> In coil卷料 ( _____ kg per coil卷重 ) Pre-cut 预调直: ( _____ mm length长度 )				
Welded Wire Mesh 焊接网片要求						
In coil or panel片料/卷料	<input type="checkbox"/> In coil卷料 ( _____ kg per coil ) <input type="checkbox"/> In sheet 片料 ( _____ mm length )		Mesh size 网宽: _____ mm			
Mesh size 网片规格	Diagonal toerance 对角线误差	Cross Wire Spase 横筋间距	Line Wire Space 纵筋间距	Cross Wire Dia. 横筋丝径	Line Wire Dia. 纵筋丝径	Present of total 占总产量比例
Size 1 规格1						
Size 2 规格2						
Size 3 规格3						
Machine requirements 机器要求						
Speed 速度	_____ strokes/min					
Cross wire space 横筋间距	<input type="checkbox"/> Mechanical adjustment 曲轴调节 (机械调节) <input type="checkbox"/> Stepless adjustable 无极变速调节					
Drive system 动力系统	<input type="checkbox"/> Mechanical type 机械式 <input type="checkbox"/> Air type 气缸		Welding head 焊头数 _____			
Accessory machines 辅助设备						
Wire straightening and cut machine 调直切断机	<input type="checkbox"/> Hydraulic type 液压式 <input type="checkbox"/> Pneumatic 气动 <input type="checkbox"/> Mechanical 机械式					
<input type="checkbox"/> Decoiler 开料架 <input type="checkbox"/> Line wire straightening table 纵筋矫直机构 <input type="checkbox"/> Automatic line wire feeding device 纵筋自动送料机构 <input type="checkbox"/> Fence bending machine 护栏折弯机 <input type="checkbox"/> Cutting machine 剪网机 <input type="checkbox"/> Mesh conveyor 网片输出机构 <input type="checkbox"/> Mesh stacker turner 翻网机构 <input type="checkbox"/> Recoiler 收网机						
* Whether the accessory machine speed need to equip with mesh welding machine <input type="checkbox"/> No need不需要 <input type="checkbox"/> Need需要 辅助设备的速度是否需要与焊接机速度相匹配						
(Please note that accommodation expense for our technicians who sent to aboard to test the machine will be paid by buyer.) 备注: 如需安装调试, 往返食宿费用由客户支付。						

Signed by the customer 客户签名:  
Signed by the seller 卖方签名:

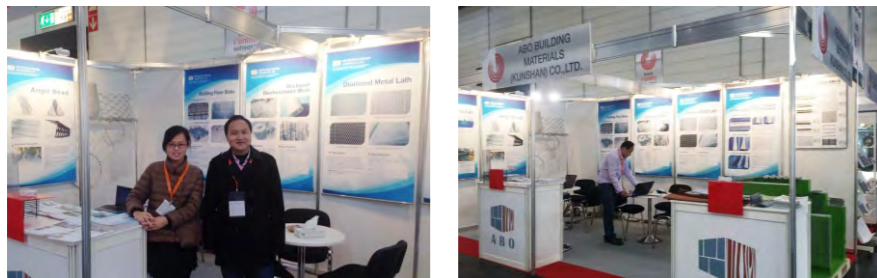
## 拉丝生产线询盘需求表 Selection Guidance for Wire Drawing Production line

Important customer Details重要客户信息				
Name 名字	_____ *		Country 国家	_____ *
E-mail 邮箱	_____		Power supply 电力要求	_____ V * _____ Hz *
Project 项目性质	<input type="checkbox"/> First purchase of expanded metal mesh line 新建项目 <input type="checkbox"/> Expanding plan on expanded metal mesh line 扩展项目			
Wire specification 丝的规格				
Material 材质	<input type="checkbox"/> Low carbon steel 低碳钢丝 <input type="checkbox"/> Medium carbon steel 中碳钢丝 <input type="checkbox"/> High carbon steel 高碳钢丝 <input type="checkbox"/> Stainless steel 不锈钢丝 <input type="checkbox"/> Copper 铜 <input type="checkbox"/> Other Steel 其他材质: _____ Steel NO. 牌号 _____			
Wire size 规格	Inlet wire dia. 进丝直径	Outlet wire dia. 出丝直径	Compressing ratio 压缩比	Outlet wire application 成品丝用途
Size 1 规格1				
Size 2 规格2				
Size 3 规格3				
Machine requirements 机器要求				
Speed 速度	_____ m/min			
Drawing type 拉拔方式	<input type="checkbox"/> Straight type 直进式 <input type="checkbox"/> Pulley type 滑轮式 <input type="checkbox"/> Wet type 水箱式 <input type="checkbox"/> Vertical type 倒立式 <input type="checkbox"/> Horizontal type 卧式			
Accessory machines 辅助设备				
De-coiler 开料架	Coil weight 卷重 _____	Inner diameter 内径 _____	Outer diameter 外径 _____	
	<input type="checkbox"/> Vertical drop type 上抽式 <input type="checkbox"/> Hydraulic type 液压式	<input type="checkbox"/> Arm type 鸭嘴式 <input type="checkbox"/> Spooler type 工字轮放线架	<input type="checkbox"/> Squirrel-cage pay off 鼠笼式	
Descaling machine 剥壳机	<input type="checkbox"/> Mechanical type 简易型(无酸洗剥壳) <input type="checkbox"/> Chemical type 酸洗剥壳机			
Annealing furnace 退火炉	<input type="checkbox"/> Well type annealing furnace 井式退火炉 <input type="checkbox"/> Continuous boxing annealing furnace 箱式连续退火炉			
Recoil & discharge 收卸线	Coil weight 卷重 _____	Inner diameter 内径 _____	Outer diameter 外径 _____	
	<input type="checkbox"/> Dead block recoiler 象鼻子卸线机 <input type="checkbox"/> Vertical drop take-up 梅花倒立式	<input type="checkbox"/> Spooler take-up 工字轮卸线机 <input type="checkbox"/> Horizontal type 卧式	<input type="checkbox"/> Normal vertical type 普通倒立式 <input type="checkbox"/> Hoist Unloading Machine 小吊车卸线机	
Others 其他	<input type="checkbox"/> Wire pointing machine 轧尖机 <input type="checkbox"/> Butt welding machine 对焊机			
Pre-treatment 前处理	<input type="checkbox"/> Wire descaling 线材剥壳 <input type="checkbox"/> Pickling 酸洗 <input type="checkbox"/> High frequency drying 高频烘干			
* Whether the accessory machine speed need to equip with wire drawing machine <input type="checkbox"/> No need不需要 <input type="checkbox"/> Need需要 辅助设备的速度是否需要与拉丝机速度相匹配				
(Please note that accommodation expense for our technicians who sent to aboard to test the machine will be paid by buyer.) 备注: 如需安装调试, 往返食宿费用由客户支付。				

Signed by the customer 客户签名:  
Signed by the seller 卖方签名:

# 我们的展会 Our exhibition

2016 德国杜塞尔多夫线材管材展  
2016 Germany Dusseldorf Wire & Tube exhibiton



2018 德国展会  
2018 German exhibition



2015美国拉斯维加斯建材展 / 2015 Las Vegas building materials exhibition



2017迪拜展会  
2017 Dubai Big5 exhibition



2016迪拜展会  
2016 Dubai Big5 exhibition



2015迪拜展会  
2015 Dubai Big5 exhibition



委内瑞拉展会  
Venezuela exhibition



广交会 / Canton fair



网址/Web : [www.anbermachine.com](http://www.anbermachine.com)

业务电话/Tel : 0510-88239309/0510-88239310

微信/Wechat : 15861575609/18626338299

做机械，我们是认真的。  
We are serious in manufacture the machine.