



蓝盈科技
LANYING TECHNOLOGY

金属丝网编织机制造行业的领先者

河北蓝盈科技有限公司



河北蓝盈科技有限公司

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中文网站二维码



wire mesh loom



公司简介
ABOUT US

河北蓝盈科技有限公司（原正定县曙光机械厂）自创建以来一直致力于金属丝网编织机制造行业，经过二十多年的研发和生产，积累了丰富的专业知识和经验，使我们的技术水平和产品性能在同行业中处在领先的地位。

SG100精密型、SG130标准型、SG160重型、SG180超重型等四大系列的金属丝网编织机，覆盖了细到丝径0.03mm（不限于）的轻薄织物到粗到丝径2.0mm的厚重织物的全方位编织。专门为金属丝编织机研发的数控系统、配合高性能交流伺服电机的引纬系统、精确的张力控制计算方法、独特设计的精密送经、卷网机构等等，为客户的产品质量提供了可靠的保障。

我们不仅制造适合大多数用户需求的编织范围宽泛的织机，而且很高兴用多年积累的经验和专业知识，为您个人的特殊需求提供单独而有效的解决方案。

由专业技术师组成的售后团队，将为您的产品提供全方位的技术支持和保障。

与时代共同进步的蓝盈科技，致力于研发高精度、高性能的织机，我们会不断努力，以更好的产品满足客户对金属丝织

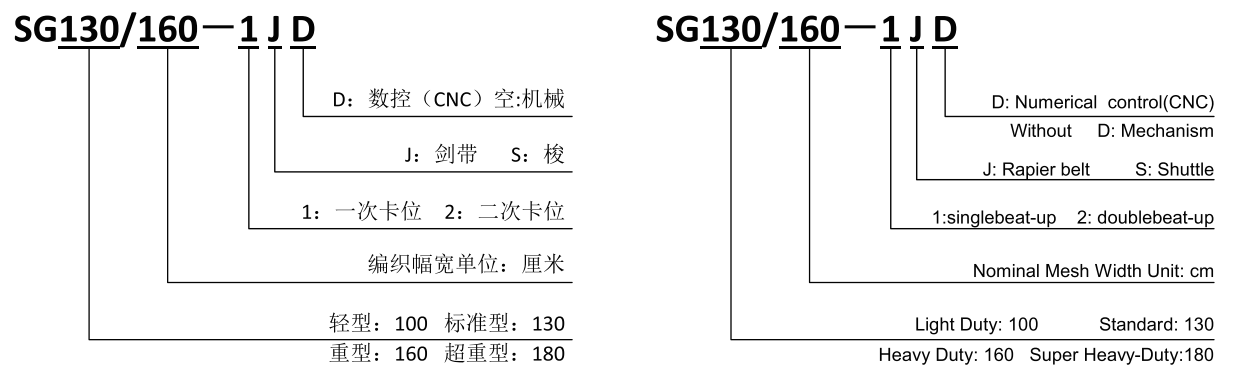
物的各种需求！

- Hebei Lanying Technology Co., LTD (formerly known as Zhengding County Shuguang Machinery Factory) is a technology-oriented company that commit to the metal wire mesh weaving machine manufacturing industry since its establishment. After more than 20 years dedicated R & D and production, we have accumulated rich professional knowledge and experience, which makes our machines in the leading position of the industry in China.
- Our products mainly include four ranges: SG100 high precision series, SG130 standard series, SG160 heavy-duty series, SG180 super heavy-duty series which cover all-round weaving range from light and thin fabrics with a diameter of 0.03mm (not limited to) to heavy fabrics with a diameter of 2.0mm (not limited to).
- The full CNC system specially developed and designed for metal wire weaving machine, weft insertion system with high performance AC servo motor, accurate tension control calculation method, unique designed precise warp let-off and mesh winding mechanism, etc, provide reliable guarantee for product quality.
- We not only manufacture general use wire mesh weaving machines but also provide customized machines and effective overall solutions according to customer requirements.
- Lanying technology, which is progressing with the times, is committed to researching and developing high-precision and high performance looms. We will satisfy customers' arbitrary needs for metal wire weaving fabrics with our best products!

产品系列主要技术参数 Product Range Main Technical Parameters

产品系列 Product Series	SG100 系列 SG100 Series	SG130系列 SG130 Series	SG160系列 SG160 Series	SG180系列 SG180 Series
编织幅宽 可根据要求提供特殊宽度 Standard weaving width Special width on request	1000mm 1300mm 1600mm 2000mm	1300mm 1600mm 2000mm 2500mm	1300mm 1600mm 2000mm 2500mm 3000mm	1600mm 2000mm 2500mm 3000mm 3500mm 4000mm
线材直径 Wire diameter range	0.03–0.3mm	0.06–0.45mm	0.1–0.8mm	0.2–1.0mm 1.0–2.1mm
平织方孔(目/英寸) Plain weave square hole (mesh/inch)	40–400	20–260	10–100	6–60 2–40
斜织密纹(目/英寸) Twill weave (mesh/inch)	≤600	≤400	≤350	≤260
线材材质 Wire material	不锈钢、铁、铜、铝、 铂金、聚酯 Stainless steel, iron, copper, aluminum, platinum, polyester	不锈钢、铁、铜、铝、 铂金、合金、聚酯 Stainless steel, iron, copper, aluminum, platinum, alloy, pol- yester	不锈钢、铁、铜、铝、 铂金、合金、聚酯 Stainless steel, iron, copper, aluminum, platinum,alloy, pol- yester	不锈钢，铁，铜，铝、 合金、聚酯 Stainless steel, iron,copper, aluminum, alloy, polyester
织机设计转速 (取决于编织的宽度和规格) Speed(the actual speed de- pends on the weaving width and detailed specifications)	100 rpm (最高120rpm)	100 rpm (最高120rpm)	50–70 rpm	35–50 rpm
基础张力 Basic tension	15000 N/m 标准	20000 N/m 标准	40000 N/m 标准	60000 N/m 标准

产品规格型号说明 Model specification introduction



SG100系列 精密型数控金属丝网编织机

SG100系列精密型数控金属丝网编织机，适用于编织高精度、高目数的金属丝网。大屏幕人机界面操作灵活便捷；独特设计的精密送经、卷网机构；精确的张力控制和计算方法；高性能伺服电机驱动的引纬机构；伺服多臂机、电子旋转多臂机、凸轮开口等可选择的各种开口机构。具有精度高、转速快、噪音小、编织范围宽、花色多样的特点，可编织不锈钢、铁、铜、铝、银、铂金、聚酯等各种材料的丝网。



SG100/130-1JD

主要技术参数

- 标准幅宽：1000mm、1300 mm、1600mm、2000mm，还可定做特殊幅宽。
- 丝径范围：0.03-0.3mm
- 编织密度：平织方孔40-400目/英寸、斜纹编织≤600目/英寸
- 转速：100（最高120）转/分钟，主轴变频器无极调速，实际转速取决于编织的宽度和规格
- 开口形式：凸轮导程拱综机构、电子旋转多臂机、伺服多臂机三种开口结构可供选择，铝合金综框。
如选电子旋转多臂机最多可达20片综框
- 基础张力：15000牛/米

SG100 SERIES HIGH-PRECISION CNC WIRE MESH WEAVING MACHINES

SG100 series light-duty CNC wire mesh weaving machine is suitable for weaving high precision and high quality fine mesh. Large touch screen with flexible and convenient man-machine interface; uniquely designed precise warp let-off and wire mesh rolling mechanism; precise tension control and calculation method; high-performance servo motor driven weft insertion mechanism, working with many kinds of shedding mechanisms (servo dobby, electronic rotated dobby, cam shedding, etc.), let the machine own many kinds of characters like high precision, fast rotation speed, low noise, wide weaving range and various weaving patterns. It can weave different kinds of wire mesh in different materials, like stainless steel, iron, copper, brass, phosphor copper, aluminum, silver, platinum and so on.

MAIN TECHNICAL PARAMETERS

- Standard width: 1000mm, 1300mm, 1600mm, 2000mm, special widths on request.
- Wire diameter range: 0.03-0.3mm
- Weaving density: plain weave square hole 40-400 mesh; twill weave ≤ 600 mesh;
- Speed: 100 (120 special design) RPM
Frequency converter step-less speed regulation, the actual speed depends on the weaving width and detailed specifications.
- Shedding form: three kinds of structures are available: cam lead tappet arch heald, electronic rotated dobby and servo dobby. If use electronic rotated dobby, max. 20 pieces aluminum alloy heald frames are available.
- Basic tension: 15000 N/m.

SG130系列

标准型数控金属丝网编织机

SG130系列标准型数控金属丝网编织机是一款适用范围比较宽泛的机型，大屏幕人机界面操作灵活便捷，高性能伺服电机驱动的引纬、卷网、送经机构；网面张力实时显示并自动调节；伺服多臂机、电子旋转多臂机、凸轮开口等各种开口机构可选；高钢度打纬机构、具有编织范围宽、精度高、噪音小、花色多样、维护简便的特点，可编织不锈钢、铁、铜、黄铜、磷铜、铝、铂金、聚酯、塑料等各种材料的金属和非金属丝网。



SG130/200-1JD

主要技术参数：

- 标准幅宽：1000mm、1300 mm、1600mm、2000mm、2500mm
- 丝径范围：0.06-0.45mm
- 编织密度：平织方孔20-260目/英寸、斜纹编织≤400目/英寸。
- 转速：100（最高120）转/分钟，主轴变频无极调速，实际转速取决于编织宽度和编织的规格。
- 开口形式：凸轮导程拱综机构、电子旋转多臂机、伺服多臂机三种开口结构可供选择，铝合金综框。如选电子旋转多臂机最多可达20片综框。
- 基础张力：20000牛/米。

SG130 SERIES STANDARD CNC WIRE MESH WEAVING MACHINES

SG130 series standard CNC metal wire mesh weaving machine is a kind of general use machine that can be used widely. The large touch screen with flexible and convenient man-machine interface, the high performance servo motor driven weft insertion, take-up, let-off mechanism, automatic tension adjustment mechanism, various shedding devices (servo dobby, electric rotated dobby, cam shedding, etc.), coordinating with high steel rigidity beating-up mechanism let the machine have characteristics such as wide weaving range, high-precision, low noise, diverse patterns and easy to maintenance. It can weave different metal wires such as: stainless steel, iron, copper, brass, phosphor copper, aluminum, platinum, and other non-metal wires such as polyester, plastic, etc.

MAIN TECHNICAL PARAMETERS

- Standard width: 1000mm, 1300mm, 1600mm, 2000mm, 2500mm, special widths on request.
- Wire diameter range: 0.06-0.45mm
- Weaving density: plain weave square hole 20-260 mesh per inch; twill weave ≤400 mesh per inch.
- Speed: 100(max.120)RPM, frequency step-less speed regulation, the actual speed depends on the weaving width and detailed specifications.
- Shedding form: three kinds of structures are available: cam lead tappet arch heald, electronic rotated dobby and servo dobby. if use electronic rotated dobby, max. 20 pieces aluminum alloy heald frames are available.
- Basic tension: 20000 N/m.

SG160系列 重型数控金属丝网编织机

SG160系列重型数控金属丝网编织机，适用于编织比较厚重的金属丝面料，大屏幕人机界面操作灵活便捷，采用高性能伺服电机驱动的挠性剑杆直线引纬，开口量小，网面平整；数控卷网、数控送经，网面张力实时显示并自动调节，有一次卡位和二次卡位两种打纬形式，凸轮导程踏盘吊综、凸轮导程拱综、伺服多臂机等多种开口机构可选。可编织各类不锈钢、铜、铁、铝、铂金、合金、聚酯、塑料等各种材料的丝网。



SG160/160-1JD

主要技术参数：

- 标准幅宽：1000mm、1300mm、1600mm、2000mm、2500mm、3000mm
- 丝径范围：φ 0.1- φ 0.8mm
- 编织密度：平织方孔10-100目/英寸、斜纹编织≤350目/英寸。
- 转速：60（最高70）转/分钟，主轴变频无极调速，实际转速取决于编织的宽度和规格。
- 开口形式：凸轮导程踏盘吊综、凸轮导程拱综、伺服多臂机三种开口结构可供选则，铝合金综框或钢综框
- 基础张力：40000牛/米。

SG160 SERIES HEAVY-DUTY WIRE MESH WEAVING MACHINES FULL CNC TYPE

SG160 series heavy duty CNC metal wire mesh weaving machine is suitable for weaving heavy metal wire mesh. It adopts flexible rapier linear weft insertion with the characters of small opening and flat mesh surface. There are two kinds of beating up forms: single beat /pick and double beat/pick and many kinds of shedding forms such as cam lead tappet hanging/harness heald, arch heald and servo dobby, etc. It is equipped with large touch screen with flexible and convenient man-machine interface, CNC take-up, CNC let-off, automatic tension adjustment mechanism. It can weave stainless steel, iron, copper, brass, phosphor copper, aluminum, platinum, FeCrAL, polyester, plastic and all other materials of wire mesh.

MAIN TECHNICAL PARAMETERS

- Standard width: 1000mm, 1300mm, 1600mm, 2000mm, 2500mm, 3000mm, special widths on request.
- Wire diameter range: 0.1-0.8mm
- Weaving density: plain weave square hole 10-100 mesh; twill weave ≤ 350 mesh
- Speed: 60 (max. 70) RPM step-less speed regulation, the actual speed depends on the weaving width and detailed specifications.
- Shedding form: three kinds of structures are optional- cam lead tappet hanging/ harness heald, cam lead arch heald, servo dobby. Aluminum alloy heald frame or steel heald frame (optional)
- Basic tension: 40000 N/m.

SG160系列 重型数控金属丝网编织机(数控引纬)

SG160系列重型金属丝网编织机，适用于编织较厚重的金属丝面料，采用高性能伺服电机驱动的挠性剑杆直线引纬机构，开口量小。有一次卡位或二次卡位两种打纬形式，凸轮导程踏盘吊综、凸轮导程拱综两种开口结构可供选则。机械间歇式送经、卷网。可编织不锈钢、铁、铜、铝、铂金、聚酯、塑料等各种材料的金属丝网和非金属网，网面平整、纹路多样。



SG160/160-1J

主要技术参数：

- 标准幅宽：1000mm、1300 mm、1600mm、2000mm、2500mm、3000mm
- 丝径范围：φ 0.1- φ 0.8mm
- 编织密度：平织方孔10-100目/英寸、斜纹编织≤350目/英寸
- 转速：50转/分钟（最高60），实际转速取决于编织宽度和编织的规格
- 开口形式：凸轮导程踏盘吊综、凸轮导程拱综两种结构可选
- 基础张力：40000牛/米

SG160 SERIES HEAVY-DUTY WIRE MESH WEAVING MACHINES (CNC RAPIER)

SG160 series heavy duty wire mesh weaving machine is suitable for weaving heavier metal mesh fabric.

It adopts flexible rapier linear weft insertion with small opening. There are two kinds of beating-up forms: single beat /pick and double beat/pick and two kinds of shedding opening structures: tappet hanging/harness heald and arch heald, which are optional. Mechanical intermittent let-off and rolling mesh. It can weave stainless steel, iron, copper, aluminum, platinum, polyester, plastic and other materials of metal mesh and non-metal mesh. The mesh is flat& the pattern is diverse.

MAIN TECHNICAL PARAMETERS

- Weaving width: 1000mm, 1300mm, 1600mm, 2000mm, 2500mm, 3000mm, special widths on request.
- Wire diameter range: 0.1-0.8mm
- Weaving density: plain weave square hole 10-100 mesh; twill weave ≤350 mesh
- Speed: 50 (max.60) RPM, the actual speed depends on the weaving width and detailed specifications.
- Shedding form: cam lead tappet hanging/harness heald frame or cam lead arch heald
- Basic tension: 40000 N/m.

SG180系列 超重型数控金属丝网编织机

SG180系列超重型数控金属丝网编织机，适用于编织厚重的金属丝面料，采用高性能伺服电机驱动的挠性剑杆直线引纬机构，有一次卡位和二次卡位两种打纬形式，凸轮导程踏盘吊综、凸轮导程拱综机构、伺服多臂机等三种开口机构可供选择，大屏幕人机界面操作灵活便捷，数控卷网、数控送经，网面张力实时显示并自动调节。可编织不锈钢、铁、铜、铝、合金、聚酯等材料的金属网和非金属网。



SG180/370-2JD

主要技术参数：

- 标准幅宽：1300mm、1600mm、2000 mm、2500mm、3000mm、3500mm、4000mm
- 丝径范围：φ 0.2-φ 1.0或φ 1.0-φ 2.1mm
- 编织密度：平织方孔6-60或2-40目/英寸、斜纹编织≤260目/英寸。
- 转速：35-50转/分钟，主轴变频无极调速，实际转速取决于编织宽度和编织的规格。
- 开口形式：踏盘吊综、凸轮导程拱综机构、伺服多臂机等开口种机构可供选择，铝合金综框或钢综框。
- 基础张力：60000N/M。

SG180 SERIES SUPER HEAVY-DUTY WIRE MESH WEAVING MACHINES FULL CNC TYPE

SG180 series super heavy-duty CNC metal wire mesh weaving machine is suitable for weaving heavier metal mesh fabric. It adopts the flexible rapier linear weft insertion driven by a high performance servo motor. There are two kinds of beating up forms: single beat /pick and double beat/pick. Three types of shedding mechanisms which can be selected: cam lead tappet hanging/harness heald, cam lead tappet arch heald and servo dobby. The large-screen touch screen is flexible and convenient to operate. CNC rolling, CNC let-off, real-time display and automatic adjustment of the surface tension. It can weave metal wire mesh such as: stainless steel, iron, copper, aluminum, alloy, polyester and other non metal wire mesh .

MAIN TECHNICAL PARAMETERS

- Standard width: 1300mm, 1600mm, 2000mm, 2500mm, 3000mm, 3500mm, 4000mm, special widths on request.
- Wire diameter range: 0.2 -1.0mm or 1.0-2.1mm (optional)
- Weaving density: plain weave square hole 6-60 or 2-40 mesh per inch; twill weave≤260 mesh per inch.
- Speed: 35-50 RPM, frequency step-less speed regulation, the actual speed depends on the weaving width and detailed specifications.
- Shedding form: three kinds of structures are optional - tappet hanging/harness heald, tappet arch heald or servo dobby; aluminum alloy heald frame or steel heald frame (optional)
- Basic tension: 60000 N/m.

TECHNICAL FEATURES OF FULL CNC WIRE MESH WEAVING MACHINE:



数控引纬机构
CNC weft insertion mechanism



铝合金综框
Aluminum alloy heald frame



集中润滑装置
Central lubrication device



三辊卷网机构
3-roller take-up mechanism



数控送经机构
CNC warp let-off mechanism



电子旋转多臂机
Electronic rotated dobby

蓝盈织机数控系统的技术特点

- 数控系统 (CNC): 人机界面ARM9CPU, 400MHZ主频, 大容量存储。10.1英寸或以上, 1677万色, TFT液晶显示, LED背光。PLC系统以及多轴运动控制器, 以太网通讯和EtherCAT运动总线及X-NET现场总线功能, 处理速度0.01~0.03us, 具备更大的内部资源空间。
- 数控引纬: 定向研发的高性能伺服系统, 位置响应极佳, 实现了精准高速引纬, 具有自动寻纬、定点停机、幅宽任意设定、二次拉纬、防勾双线等功能。减少了剑头对经线的摩擦, 纬纱断纬、丢纬自动停车, 不用打反转不用齐口, 降低了次品率和纱线的损耗以及挡车工的劳动强度, 提高了网面质量和产量以及一人多机看管。
- 开口形式: 自主研发的数控伺服多臂开口机构, 通过参数设置可以适应任何织物的开口需求, 更适合宽幅、厚重织物的开口。开口形式可选择数控伺服多臂机、电子旋转多臂机、共轭凸轮开口机构、凸轮导程拱综或吊综机构。
- 张力控制: 自主研发的数控系统里独特的运算方法和模糊控制方式以及专业的张力控制单元, 实现了网面张力的精确控制, 网面张力实时显示并自动调节。
- 编织花色: 普通织物以外, 可选配数控多根经轴的设计及宽泛大容量的纬密变化设计, 配合数控伺服多臂机构或电子旋转多臂机或外接大提花机, 还有数控恒张力收卷机构, 给多种花色的编织和装饰用网的编织提供了丰富的想象空间。

THE TECHNICAL FEATURES CNC SYSTEM OF LANYING WEAVING MACHINES

- Numerical Control System (CNC): Human-machine interface adopts ARM9 CPU, 400MHZ main frequency, with large capacity storage. 10.1 inches or more TFT liquid crystal display with 16.77 million colors & LED backlight. PLC system and multi-axis motion controller, Ethernet communication, EtherCAT motion bus and X-NET field bus function make the processing speed 0.01~0.03us, with larger internal resource space.
- Numerical control weft insertion (CNC): The specially designed high-performance servo system has excellent position event response and could realize precise and high-speed weft insertion. It has the functions of automatic weft searching, fixed-point stop, arbitrary setting of width, secondary weft pulling, and anti-hook double thread. It reduces the friction of the rapier on the warp and the weft will automatically stop when the weft breaks or lost. There is no need to reverse and not align, which reduces the defective rate and yarn loss and the labor intensity of the operator, and improves the quality and output of the mesh. One person can operate several machines at the same time.
- Shedding form: The self-developed CNC servo dobby shedding mechanism can adapt to the shedding requirements of any fabric through parameter settings, and is more suitable for the shedding of wide and heavy fabrics. CNC servo dobby, electronic rotating dobby, matched cam shedding mechanism, cam lead arch heald frame or hanging heald frame mechanism are optional.
- Tension control: The unique calculation method and fuzzy control method and professional tension control unit in the self-developed numerical control system realize the precise control of the surface tension. The surface tension is displayed and automatically adjusted in real time.
- Weaving patterns: In addition to weaving ordinary fabrics, it can be equipped with the CNC multiple warp beam design and the wide and large-capacity weft density change design, with the CNC servo dobby or electronic rotary dobby machine or an external jacquard machine, as well as CNC constant tension winding mechanism to provide rich imagination space for the weaving of various patterns and decorative wire mesh.