

**High Performance Mesh Welding System for Light Wire Mesh
System NS200 and NS240**





Fence reels

Fine wire mesh panels

Product features

The mesh welding systems NS200 and NS240 are suitable for the manufacture of light welded mesh as rolled mesh or panels.

	NS200	NS240
Mesh width	2100 mm 2600 mm	2400 mm 3200 mm
Mesh length	according to customer specifications	according to customer specifications
Line wire division	≥ 6 mm	≥ 25 mm / ≥ 50 mm
Cross wire division	≥ 6 mm	≥ 12,5 mm / ≥ 25 mm
Line wire diameter	0,5 – 2,5 mm	1,5 – 4,0 mm / 2,5 – 6,0 mm
Cross wire diameter	0,5 – 2,5 mm	1,5 – 4,0 mm / 2,5 – 6,0 mm
Number of cross wires/min.	up to 100 at feeding of single wires up to 170 at feeding of double wires	up to 220
Line wire and cross wire feeding	from spools, coils or reels	from spools, coils or reels

Further dimensions on request

Low operating costs

The operating costs can be kept low by exclusively using servo and electrical components as well as cam-controlled welding presses.

The state of the art NS200 and NS240 lines are equipped with a medium frequency welding technology (MF).

The mesh is manufactured with line wire and cross wire feed directly from spools, coils or reels. No additional straightening and cutting to length machines is necessary.

State of the art control

The entire process is assured by using a state of the art PLC (Programmable Logic Controller). Simple operation and visualisation is carried out with a control panel by Siemens.

Wire material

- Cold-rolled or-drawn uncoated wire
- Cold-drawn galvanized wire
- Cold-drawn stainless wire

System NS240





Mesh advance with rubberised 3-roller system

NS200 high performance mesh welding system for fine wire mesh of 0,5 – 2,5 mm

The NS200 is a mesh welding system for fine welded mesh providing highest product quality and performance. The cross wires are fed- according to specification- either with single wire or double wire feed with a special transport and oscillating gripper of the respective electrode level. Mesh is pulled out with a rubberised 3-roller system which is positioned behind the welding portal. This enables continuous divisions.



Characteristics

- Line and cross wire feed from spools, coils and reels
- Transport grippers for cross wire draw off
- Oscillating grippers for the transport of the cross wire into the electrode level
- Controlled mesh advance with rubberised 3-roller system guarantees the highest degree of precision
- Rotating shears for trimming and separating the mesh into several strips

- Coiler with expansion mandrel and integrated shears
- Intermediate storage for continuous production during exchange of roller
- Oscillating welding traverse with pneumatically adjustable welding presses
- State of the art function and control of welding current
- High and uniform welded knot stability/resistance

Products

- Wire reinforced glass
- Light mesh cages for pets
- Lightweight mesh or fence mesh
- Coarse filter for air conditioning
- Mesh for ventilators
- Floor pavement screens
- Plaster mesh

System NS200





Cross wire disc feed

NS240 for an extensive variety of application

The NS240 system is a mesh wire welding system with cross wire double feed and disc insertion providing maximum reliability. A consistently used modular system for the individual system components allows for the provision of a perfect system for each intended application purpose. The mesh advance is carried out by two continuously working gripper combs. This ensures the production of top quality mesh.



Characteristics

- Line and cross wire feed from spools, coils and reels
- Straightening elements centrally adjustable for fast adjustment to different wire diameters
- Double cross wire feed, enables high cycle speeds
- Servo electric cross wire shears
- Cross wire feed with disc insertion
- Rotating shears for trimming and separating
- Continuous mesh transport with two gripper combs

- High performance shears for cutting the line wires for wire mesh production
- Stacking unit designed for continuous high production speeds without interruption of production
- Semi- and fully-automatic winding unit with intermediate storage for continuous production during exchange of roller
- Oscillating welding traverse with cam drive
- Welding force pneumatically adjustable

Products

- Mesh for cages
- Cages for breeding and keeping animals
- Lightweight mesh or fence mesh
- Transport containers
- Mesh boxes and containers
- Floor pavement screens
- Baskets for gravel trench lining
- Plaster mesh

two gripper combs mesh transport



A reliable partner in plant construction

The Schlatter Group is a world leader in plant manufacturing for resistance welding systems for specialized solution in the field as well as weaving and finishing machines for paper machine clothing, wire and mesh. With our long-standing expertise in industrial engineering, our spirit of innovation and our reliable customer service we offer our customers high-performance and high-quality manufacturing systems.



Experience in plant design

The combined competence in the fields of welding, weaving and industrial engineering makes the publicly listed Swiss Schlatter Group a secure title in plant engineering.

Segment resistance welding

We develop and build resistance welding systems for the production of industrial and reinforcing mesh as well as rail welding.

Weaving segment

We build weaving and finishing machines for paper machine clothing, as well as wire fabric and mesh under our Jäger brand.

Contact

Professional contacts for sales, technical support, customer service and administration are available worldwide in the group's companies and at select representatives/agents of the Schlatter Group. You can find the relevant contact data on our Internet site www.schlattergroup.com.

Schlatter Industries AG

Brandstrasse 24
8952 Schlieren | Switzerland
T +41 44 732 71 11
F +41 44 732 45 50
info@schlattergroup.com
www.schlattergroup.com