

# **Dongyao Metal Products Co., Ltd.**

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# Crimped Wire Mesh

[Crimped Wire Mesh](#) can be also known as the iron [crimped mesh](#), [stainless steel crimped mesh](#), black iron crimped mesh according to different materials.

Crimped Wire Mesh is made in a variety of materials through crimping mesh machine, a kind of universal wire products with square or rectangular openings.

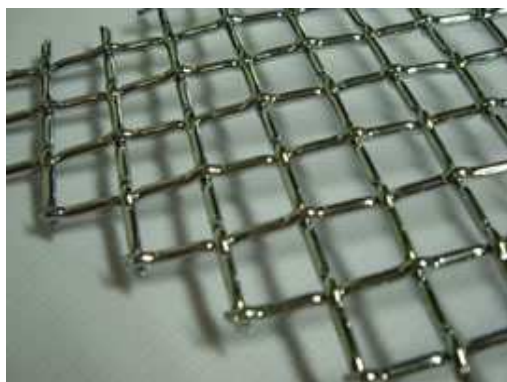
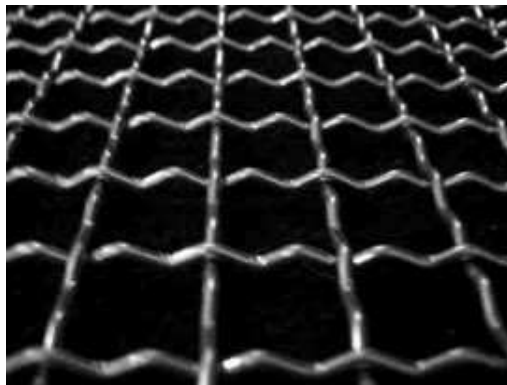
## Crimped Wire Mesh

**Material:** Iron wire, black wire, stainless steel wire, copper wire and other non-ferrous metal.

**Weaving:** Pre-crimping before Weaving. In two-way separated wave bending, locked bending, flat-topped curved, two-way bending, one-way separated wave bending.

**Features:** Structure firm and durable.

**Uses:** Used for mining, coal plants, construction, petrochemical industry, construction machinery, etc.



## **Crimped Wire Mesh common specifications:**

Diameter 1.0mm x mesh opening 8mm or 10mm

Diameter 1.5mm x mesh opening 12.5mm, 15mm or 20mm

Diameter 3mm x mesh opening 15mm, 20mm, 30mm

Length and width specifications: 1mX25m 1mX30m 1.2mX25m 1.2mX30m

Wire Gauge SWG	Wire Diameter mm	Mesh/Inch	Aperture mm	Weight kg/m <sup>2</sup>
14	2.0	21	1	4.2
8	4.05	18	1	15
25	0.50	20	0.61	2.6
23	0.61	18	0.8	3.4
24	0.55	16	0.1	2.5
24	0.55	14	0.12	4
22	0.71	12	0.14	2.94
19	1	2.3	0.18	1.45
6	4.8	1.2	2	20
6	4.8	1	2	20
6	4.8	0.7	3	14
14	2.0	5.08	0.3	12
14	2.0	2.1	1	2.5
14	2.0	3.6	1.5	1.9

## Crimping Styles

Crimped Wire Mesh is made through crimping mesh machine with pre-crimped wire in the following styles listed. Square or rectangular openings available due to the different crimping styles.

Weave Type:

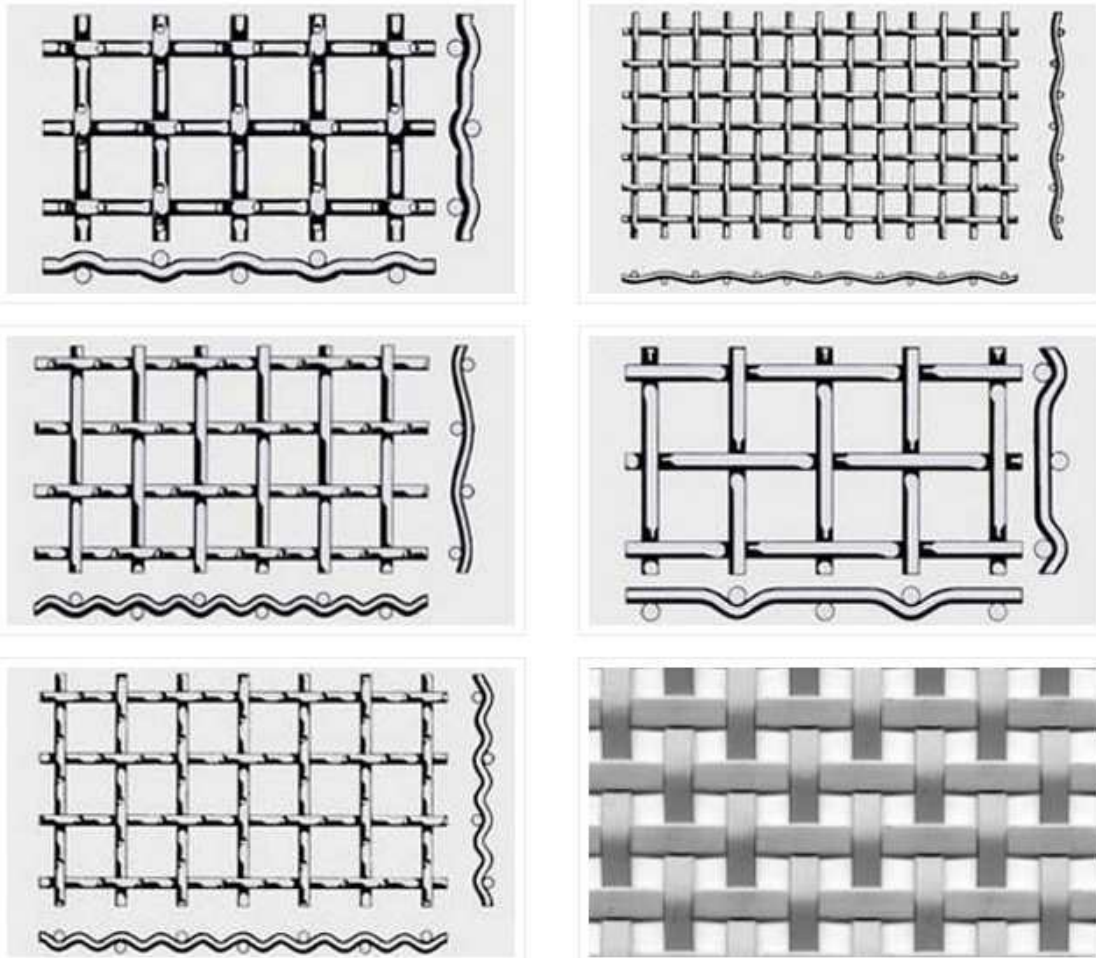
Two-way separated wave crimping;

Locked crimping;

Flat-topped crimping;

Two way crimping;

One-way separated wave crimping



## Materials Used

**Crimped Wire Mesh** can be known as iron crimped mesh, stainless steel crimped mesh, black iron crimped mesh according to different materials.

In making of crimped mesh, the following materials are used for Wire Pre-Crimping:

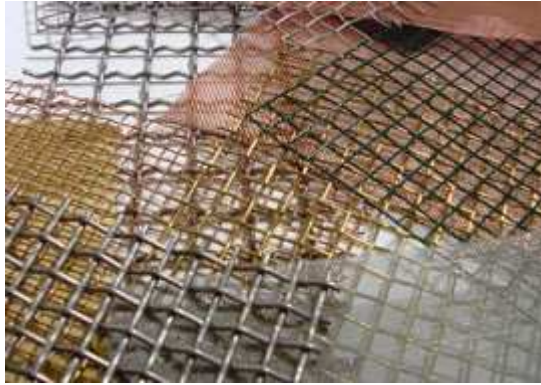
Iron wire;

Black wire;

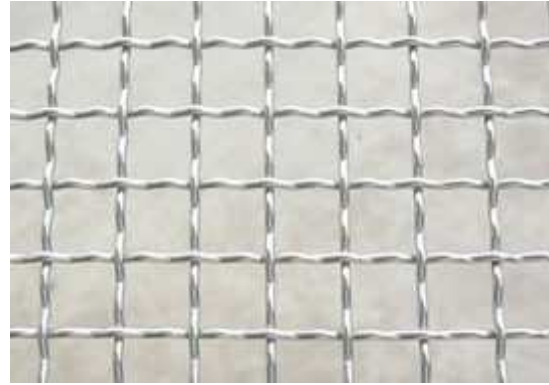
Stainless steel wire;

Copper wire;

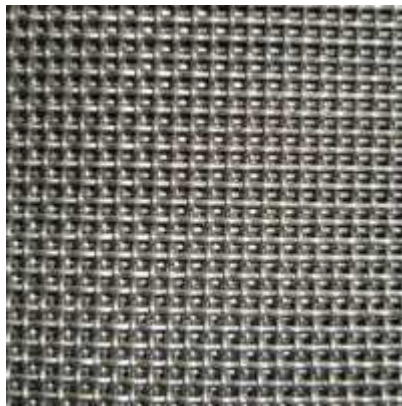
And other non-ferrous metal.



[Stainless Steel Crimped Mesh](#)



[Galvanized Crimped Mesh](#)



[Pre-Crimped Mesh with Extra Length](#)



[Rectangular Opening Crimped Mesh](#)



[Crimped Wire Mesh for Mining](#)



[Pre-Crimped Barbecue Grill Netting](#)

## Major Application

Heavy duty crimped wire mesh products are mostly used as screens in mining, coal factory, construction or other industries.

Light type crimped wire mesh can be used to roast. The shape could be round, square, curve and so on. It is used to roast food or meat, and heat resisting, corrosion resisting, nonpoisonous, tasteless and convenient for handling



# Crimped Wire Mesh for Mining

## Crimped Wire Mesh for Mining Application

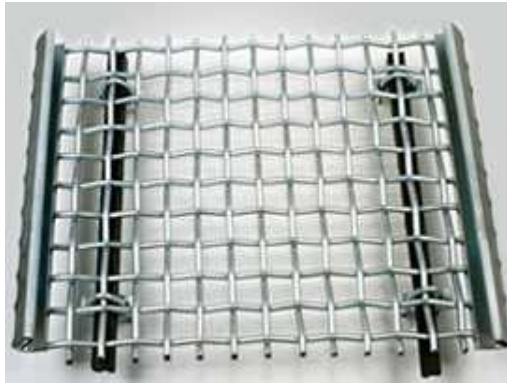
**Material:** Stainless steel wire, high carbon steel wire, low carbon steel wire, galvanized iron wire, galvanized steel wire, non-ferrous metal wire.

**Stainless steel wire types:** 302 304 304L 310 316 316L

**Features:** High temperature resisting, acid resisting, alkali resisting, corrosion resisting, etc.

**Processing method:** Locked weave, Bi-directional plain weave, single wave weave, two-way wave weaving and rectangular opening weaving.

**Uses:** Crimped mesh is widely used in mining, petroleum, chemical, construction, mechanical accessories, protective netting, packaging netting, barbecue netting, vibration screen, cooking utensils, can also be used for classification of solid materials screening, liquid and slurry filtration, aquaculture, civil and so on.



## Features

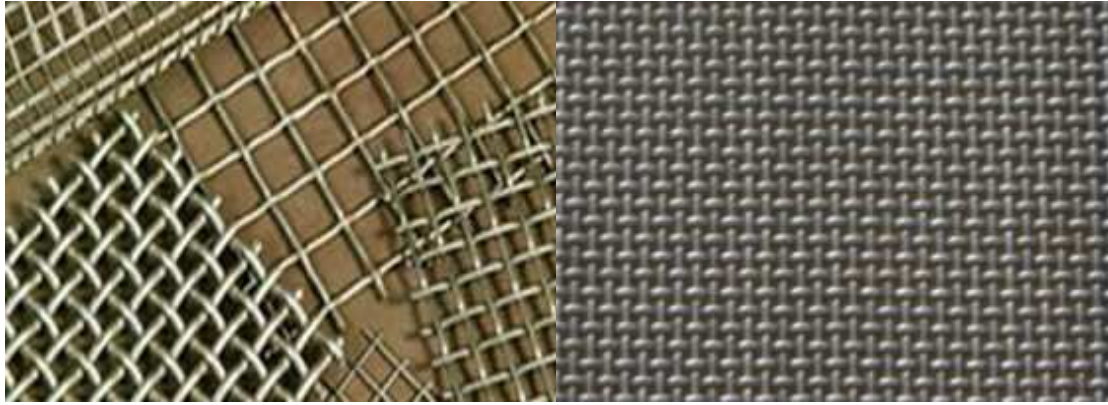
[Crimped wire mesh](#) offers a general feature of strong structure, loading capacity and keeping forms. Crimped wire mesh of different materials offers different specific features.

Crimped mesh can be classified into galvanized crimped wire mesh and stainless steel crimped wire mesh according to the uses of materials.

Galvanized crimped mesh offers firm structure, good strength and economic cost.

Stainless Steel Crimped Mesh Features:

High temperature resisting, acid resisting, alkali resisting, corrosion resisting, etc.



## **Stainless Steel Crimped Mesh**

**Material for Crimped Mesh:** Stainless steel wire, high carbon steel wire, low carbon steel wire, galvanized iron wire, galvanized steel wire, non-ferrous metal wire.

**Stainless steel wire types:** 302 304 304L 310 316 316L.

### **Stainless Steel Crimped Mesh Features:**

High temperature resisting, acid resisting, alkali resisting, corrosion resisting, etc.

**Processing method:** Locked weave, Bi-directional plain weave, single wave weave, two-way wave weaving and rectangular opening weaving.



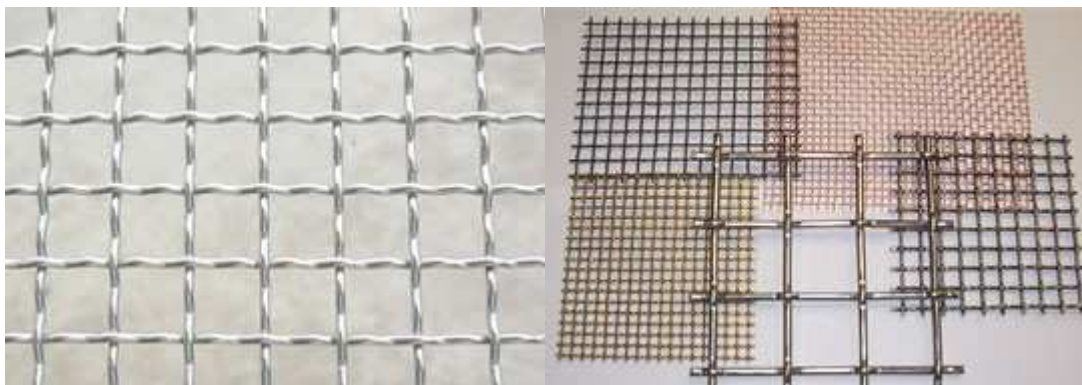


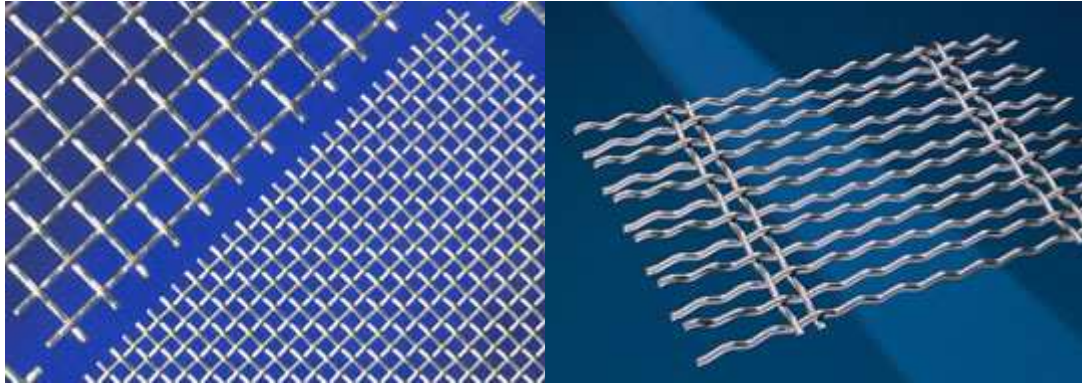
## Galvanized Crimped Mesh

Crimped Wire Mesh is made by carbon iron wire, galvanized steel wire or stainless steel wire. Galvanized crimped mesh offers firm structure, good strength and economic cost.

**Processing:** Weaving with crimped wire

**General Use:** Screening in mine, coal factory, construction and other industries. Some galvanized crimped wire mesh and stainless steel crimped wire mesh are for roasting of flour food and meat.





Wire Gauge (SWG)	Wire Diameter (mm)	Mesh	Opening (mm)	Weight (kg/m <sup>2</sup> )
14	2.0	21	1	4.2
8	4.05	18	1	15
25	0.50	20	0.61	2.6
23	0.61	18	0.8	3.4
24	0.55	16	0.1	2.5
24	0.55	14	0.12	4
22	0.71	12	0.14	2.94
19	1	2.3	0.18	1.45
6	4.8	1.2	2	20
6	4.8	1	2	20
6	4.8	0.7	3	14
14	2.0	5.08	0.3	12
14	2.0	2.1	1	2.5
14	2.0	3.6	1.5	1.9

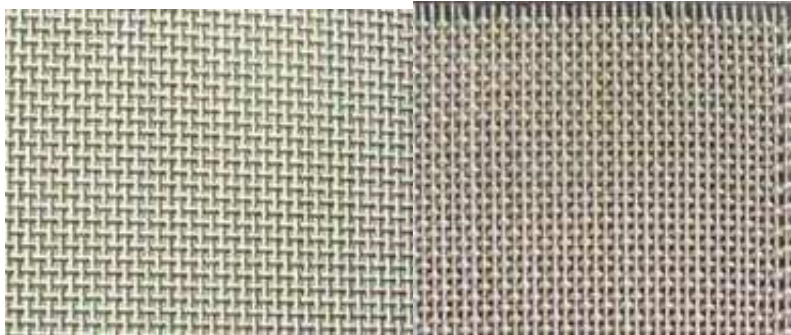
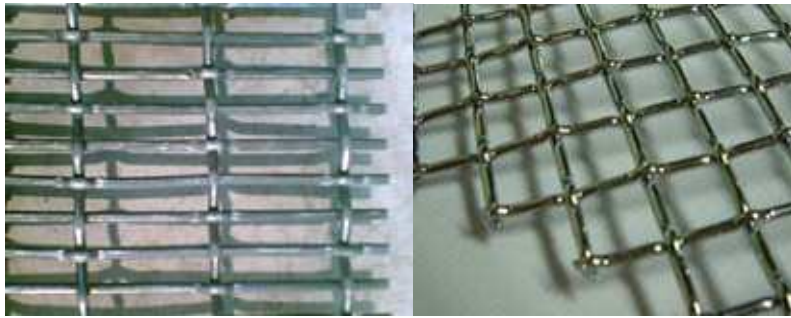
## Pre-Crimped Mesh with Extra Length

Wire mesh made with pre-crimped wire can be made with extra roll length for special uses. This kind of extra wide crimped mesh is mostly woven of stainless steel wire materials.

**Stainless steel wire types:** 302 304 304L 310 316 316L.

**Features:** High temperature resisting, acid resisting, alkali resisting, corrosion resisting, etc.

**Processing method:** Locked weave, Bi-directional plain weave, single wave weave, two-way wave weaving and rectangular opening weaving.



### Technical Index for Crimped Mesh

Wire Gauge	Wire Diameter	Mesh	Opening (mm)	Weight (kg/m <sup>2</sup> )
14	2.0	21	1	4.2
8	4.05	18	1	15
25	0.50	20	0.61	2.6
23	0.61	18	0.8	3.4
24	0.55	16	0.1	2.5
24	0.55	14	0.12	4
22	0.71	12	0.14	2.94
19	1	2.3	0.18	1.45
6	4.8	1.2	2	20
6	4.8	1	2	20
6	4.8	0.7	3	14

14	2.0	5.08	0.3	12
14	2.0	2.1	1	2.5
14	2.0	3.6	1.5	1.9

## Rectangular Opening Crimped Mesh

Heavy Type Crimped Mesh for Pig Feeding

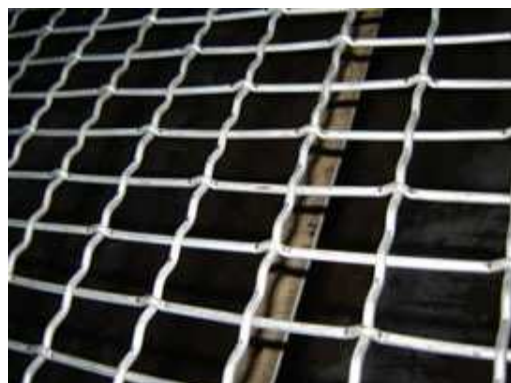
Crimped mesh is made in the opening forms of square mesh or rectangular mesh. Rectangular opening crimped mesh refers normally to heavy type crimped mesh for mining, coal plant or pig breeding which require big loading capacity.

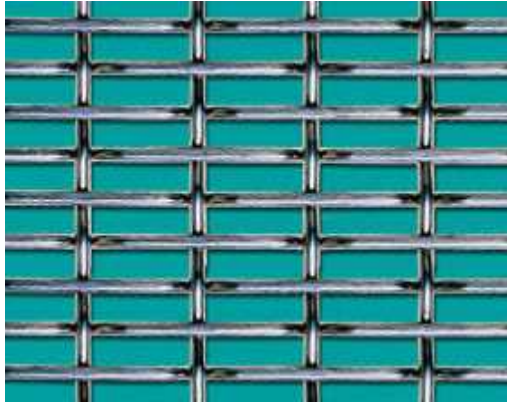
Material: Iron wire, steel wire or stainless steel wire.

Feature: Strong structure, good strength with pre-crimped wire.

Application: Heavy duty crimped wire mesh products are mostly used as screens in mining, coal factory, construction or other industries.

Also, light type crimped wire mesh could be used to roast; the shape could be round, square, curve and so on. It is used to roast food or meat, and heat resisting, corrosion resisting, nonpoisonous, tasteless and convenient for handling.





## Pre-Crimped Barbecue Grill Netting

Barbecue Grill Netting is made of pre-crimped wire mesh, with the surface treatment of zinc coated or chrome plated.

Specification available of barbecue grill wire netting: 110mmx110mm / 150x150 / 210x270 / 220x220 / 220x300 / 450x300 / 500x390 / 600x400 / 650x450 / 750x450 / 800x500.

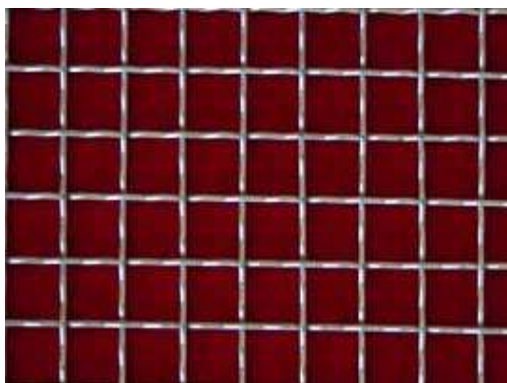
Barbecue grill wire netting is mainly used in camping, tenting, military, travel etc. It is single use products. Barbecue grill wire netting is based on crimped wire netting, surface treatment with zinc coated or chromium plated. Barbecue grill wire netting has bright color and good structure.

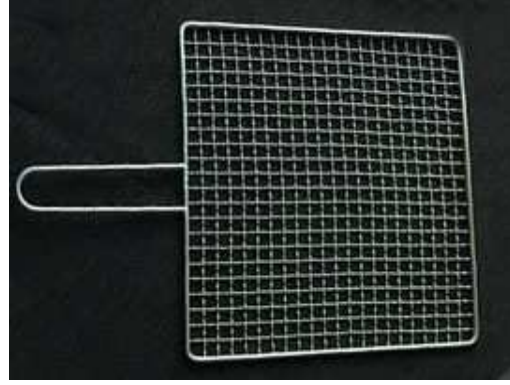
Detail description as follows

**Material:** Crimped iron wire netting.

**Finish:** Zinc coated or chromium plated.

**Characteristics:** Bright color, good structure, export standard.





## **Semi-automatic Wire Mesh Crimping Machine**

[Semi-automatic Wire Mesh Crimping Machine](#), Heavy Type Crimped Wire Mesh Weaving Machine has other names called crimped wire mesh machine, mining mesh machine, square wire mesh machine. Crimped Wire Mesh Machine can be divided into three types: Semi-automatic crimped wire mesh machines, automatic crimped wire mesh machine, hydraulic crimped wire mesh machine.

Wire mesh crimping machine is a kind of wire mesh machine. New wire mesh crimping machine controls operating speed by variable frequency motor and can achieve the maximum weaving speed and a fully automated, programmable, high efficiency production within the requirement scope of the wire diameter and mesh opening.

[Semi-automatic Wire Mesh Crimping Machine](#) operates in the form of crimping before weaving, with weft wire feeding by hand and automatic feeding of warp wire, designed for thick wire. This type of wire mesh crimping machine is designed for weaving of wire ranging from 2mm to 6mm, with simple operation, non-broken weft wire phenomenon. It offers high efficiency, stable mechanical properties, etc. Finished products can be steel bar crimping, screen wire crimping, etc.



## Automatic Wire Mesh Crimping Machine

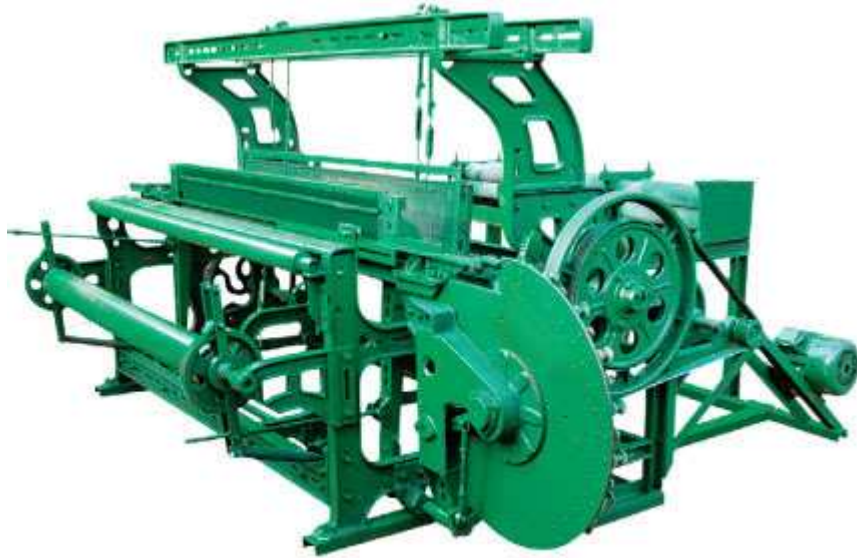
Automatic Wire Mesh Crimping Machine, Light Type

[Automatic Wire Mesh Crimping Machine](#) can be divided into a one-off wire mesh crimping machine, universal wire mesh crimping machine and whole machine crimping machine. One-time wire mesh crimping machine comes with a one-time set of embossing dies, the weft wire can be crimped and woven with the fixed warp wire. The universal crimping wire mesh machine can achieve crimping and weaving with one set of mold. It can produce crimped wire mesh with a variety of mesh openings with one machine by adjusting. With crimped warp wire, it can weave fully automatically.

The machine will automatically stop and alarm with weft wire or warp wire mistakes, CNC control, easy operation. Suitable for fully automatic weaving of metal wire with diameter under 2mm. With changing of molds, it can adjust crimped wire mesh of various mesh openings. Products can be barbecue crimped mesh, crimped mesh, skimmer netting, etc.

Crimped Wire Mesh Materials needed: Black wire, PVC wire, stainless steel wire, wire rod, wire and so on.

Uses: Used for Coal plant, mining, construction and other industries.



## **Crimped Wire Mesh Machine for Mining**

This type of crimped wire mesh machine can automatically operate from weft wire crimping to wire mesh weaving with crimped warp wires. The roll size is 0.9-2.5m, wire diameter 0.4-2.0mm, mesh opening size of  $1.5 \times 1.5$ - $15 \times 15$ mm<sup>2</sup>, weaving shuttle speeds of up to 30-50 times per minute.

The product structure is compact and reasonable, good performance, easy operation and reliable property. Its biggest advantage is it can be used for a variety of screen production.

Model x Whole Machine Size (Length x Width x Height ) mm<sup>3</sup> x Weaving Width (m)

MCM1.0: (1850×2700×1350) x 1500x1.0

MCM1.2: (1850×3000×1350) x 1550 x 1.2

MCM1.3: (1850×3150×1350) x 1600x 1.3

MCM1.5: (1850×3350×1580)x 1800 x1.5

MCM1.8: (1850×3700×1580)x 2020 x1.8

MCM2.5: (1950×4300×1650)x 2350 x2.5



