

01 Product Overview



The Ideal Choice for Efficient Production

The fully automatic carton flat-wire machine cold-rolls and flattens galvanized or copper-coated iron wire into the special flat wire used for carton sealing staples. It suits packaging material plants and carton factories that mass-produce flat wire in grades such as 16#-20#.

High-Precision Rolling

Carbide rollers and imported precision bearings hold thickness tolerance tight, giving smooth, burr-free wire and a high yield rate.

Automation Saves Cost

One operator can run several machines; the continuous-production design raises hourly output and cuts labor cost.

Sturdy and Easy to Service

Modular structure with national-standard key parts; easy routine servicing and a low failure rate keep downtime short.

Quiet, Eco-Friendly

Optimized gearing and balancing give smooth, low-load running; workshop noise stays far below the industry standard.

02 Technical Specifications

Model

SF-180

Dimensions

2800 × 850 × 1750 mm

Weight

Approx. 800 KG

Spindle Speed

Speed range: 0-540 r/min
Rated line speed: 300 m/min

Daily Output

Baseline: 1.4 mm wire, 10 h / 1000 KG.
Output and weight vary with wire diameter.

Motor Power

Roller: standard motor 4000 W
Winding: servo motor 1000 W
Traverse: servo motor 400 W
Tying-clamp lift: 400 W

Processing Range

Fully compatible with 16#, 17#, 18#, 19# and 20# wire. Highly versatile and universal, it switches quickly between processing categories to suit orders and varied production needs.

Common models include 16#, 17#, 18#, 20#, 22#, etc. The specification for 16# is 2.15*0.75mm, while for 17# there are specifications such as 2.0*0.8mm, 2.0*0.68mm, and 2.1*0.81mm. For 18#, there are specifications such as 1.75*0.75mm and 1.85*0.69mm. The specification for 20# is 1.35*0.65mm, and for 22# it is 1.15*0.55mm.

05 Application Cases



01 Production Site

The machine runs stably and continuously with a high degree of automation, greatly cutting labor costs and clearly improving efficiency and product quality.



02 Finished Quality

The finished flat wire has uniform thickness, a smooth surface and excellent physical properties. It is neatly and attractively packed, fully meeting the strict quality demands of high-end markets.



03 Customer Approval

Customers have visited the site several times and rate the performance and efficiency highly; reliable on-time delivery lays a solid foundation for long-term cooperation.