

wire China 2026 to Show Wire & Cable Processing Flow from Drawing to Inline Testing

Key Equipment and Technologies Across the Wire and Cable Processing Flow

CALIFORNIA, CA, UNITED STATES, September 14, 2026 / EINPresswire.com/ -- SHANGHAI, China — September 14, 2026 — Wire and cable manufacturing involves a connected sequence of processing stages, with specialized machinery used from rod breakdown and precision drawing through forming, annealing, stranding, extrusion, finishing and inline testing. At wire China 2026, this processing flow will be represented across a broad range of wire and cable processing machinery, production equipment and testing technologies.

wire China 2026 will take place at the Shanghai New International Expo

Centre from September 21 to 24, 2026. Based on the fair's published event plan, the 2026 edition is expected to bring together more than 1,100 exhibitors and attract over 40,000 professional visitors. More than 60 specialized conferences and forums are planned alongside the main event.

For buyers and engineers evaluating wire and cable production technology, the value of the event lies in being able to review equipment used at different stages of the processing chain in one venue. Drawing, extrusion, forming, finishing, measuring and testing equipment are expected to be prominent parts of the show-floor landscape.



Logo for wire China

Full-chain coverage for processing and equipment sourcing

wire China is positioned around the complete supply chain for cable and wire production, while its machinery coverage also allows visitors to examine different stages of the manufacturing process. Its scope includes cables, wires, processing machinery, raw and auxiliary materials, testing technology and automation-related solutions. This combination connects equipment sourcing with the processing requirements of different wire and cable products.

For equipment buyers, this broader structure makes it possible to consider individual machines in relation to the wider production line. A drawing machine, for example, is not evaluated separately from the conductor specification, downstream forming or annealing requirements. Likewise, an extrusion line needs to be considered together with insulation materials, layer control, cooling, take-up and subsequent testing.

This production-line perspective is particularly relevant when manufacturers are planning equipment upgrades, capacity expansion or new production capabilities. Instead of evaluating one machine in isolation, engineering teams can compare how different processing stages fit together and how equipment choices affect final product conformity.

Processing equipment across the production line

Wire and cable processing equipment is best understood as a connected production flow rather than a collection of isolated machines. A typical sequence may begin with rod breakdown and precision drawing, followed by annealing and stranding, before moving into insulation extrusion, sheathing and downstream finishing. Pay-off, take-up, coiling, measuring and testing equipment then support later stages of production.

The equipment categories relevant to this processing flow include:

- Wire and cable processing and finishing machinery for different conductor sizes and cable constructions;
- Extrusion equipment for insulation, semi-conductive layers and outer sheaths;
- Precision drawing and forming systems for round, flat and shaped wire;
- Annealing, stranding and other intermediate processing equipment;
- Wire finishing machinery and auxiliary process tools;
- Wire measuring and testing equipment for dimensional control and product verification;
- Process control equipment associated with line speed, temperature, tension and other production parameters.

Drawing is a critical early-stage process because conductor dimensions and surface condition can influence subsequent forming, stranding and cable production. After drawing, annealing can help restore the mechanical and electrical characteristics required for downstream processing. The coordination of drawing speed, conductor dimensions and annealing conditions therefore becomes relevant when buyers assess the complete production line rather than an individual machine.

Further along the line, extrusion and sheathing equipment must maintain stable processing conditions to achieve consistent insulation and outer-layer dimensions. For medium- and high-voltage power cable production, temperature control, layer thickness and concentricity can become important equipment-selection considerations. In precision electronic wire and specialty cable production, tighter dimensional tolerances and repeatability may receive greater attention.

Finishing equipment also forms part of the overall processing flow. Pay-off and take-up systems, coiling equipment and tension-control devices can affect how continuously and consistently the processed wire or cable is handled at different production speeds. Measuring and testing equipment then provides another layer of process and product verification, including dimensional measurement and other applicable quality checks.

For buyers and engineers, this flow-oriented approach makes it possible to evaluate how individual machines fit together, which processing parameters need to be controlled, and where measurement or testing should be incorporated into the production line. The focus is therefore not only on maximum machine output, but also on process compatibility, dimensional consistency, repeatability and product conformity.

Testing and control technology in the decision process

Measuring and testing equipment plays an important role throughout the wire and cable processing flow, particularly where manufacturers need to monitor dimensional consistency during continuous production. Inline measurement can support observation of parameters such as conductor diameter, insulation dimensions, wall thickness and eccentricity, while laboratory testing can provide additional product verification.

For buyers evaluating inline testing equipment, the relevant considerations extend beyond measurement accuracy. Measurement range, response speed, compatibility with production-line speeds, installation position and the way measurement results support process adjustment can all influence equipment selection. These factors connect testing directly with drawing, extrusion, finishing and other production stages.

wire China brings together suppliers whose equipment ranges from inline process measurement to laboratory-scale testing solutions. Visitors evaluating a new extrusion or wire processing line can therefore consider monitoring and testing requirements alongside the production equipment itself.

The same logic applies to finishing equipment. Precision take-up and tension control can influence how consistently wire or cable is handled after processing, especially in high-speed or large-diameter production. An engineering team evaluating wire processing machinery therefore needs to consider the complete line configuration rather than one isolated machine.

Applications shaping equipment requirements

Several cable applications are likely to influence the types of processing machinery and testing

equipment buyers seek at the 2026 event. These include new-energy cables, high-precision electronic wire, high-voltage and extra-high-voltage power cables, specialty cables and intelligent cable systems. Each application places different requirements on conductor processing, insulation, extrusion, dimensional control and testing.

New-energy cable production, for example, may require consistent insulation and sheathing quality across different cross-section sizes. High-voltage power cable manufacture places greater emphasis on stable extrusion conditions, insulation-layer control and dimensional consistency. Specialty and electronic cables may require tighter conductor dimensions, more complex constructions or additional testing procedures.

These application-driven requirements shape the technical questions that buyers bring to machinery and equipment suppliers, making application suitability an important part of equipment selection.

Technical standards and equipment evaluation

For international equipment buyers, machinery selection can also involve applicable technical standards, testing requirements and product documentation. These considerations may vary according to the type of wire or cable, target market, production process and end-use application.

For drawing, extrusion and testing equipment, technical discussions may therefore extend beyond machine output to include dimensional control, process stability, measurement capability and the documentation needed to support equipment evaluation. This is particularly relevant for manufacturers supplying regulated or specification-driven cable applications.

The role of a specialized industry event is not to replace the buyer's own technical or compliance assessment. Instead, it provides a setting where buyers can examine equipment configurations, discuss technical parameters with suppliers and identify machinery that may fit their production and market requirements.

International participation and market context

wire China brings together China-based and international industry participants across wire and cable manufacturing, machinery, materials, testing and related engineering fields. For equipment buyers, this creates opportunities to compare processing technologies and discuss production requirements with suppliers from different markets.

Broader market research also points to continued investment in wire and cable capacity. According to Global Market Insights, the global wire and cable market was estimated at USD 267.8 billion in 2024, with growth projected at about 7.3 percent through 2034. While market forecasts vary by definition and methodology, continued investment in cable production can support demand for machinery upgrades, process improvements and new production capabilities.

The market outlook should, however, be distinguished from the event's own role. wire China's

value lies in bringing professional buyers and suppliers together so that equipment, processing parameters and production requirements can be discussed in a focused industry setting.

Match making and technical exchange

Match making can be particularly relevant when equipment requirements are highly specific. Buyers may be looking for machinery suited to a particular conductor size, cable construction, drawing configuration, extrusion process, production speed or testing requirement. Connecting these needs with relevant suppliers can make technical discussions more focused. wire China lists match making as part of its service scope, together with thematic forums, exhibitor promotion and professional buyer invitation. The actual technical evaluation, commercial discussion and supplier qualification remain between the exhibitor and the visitor. Technical conferences and seminars provide a separate channel for discussing industry developments and practical processing issues. For engineers and technical buyers, the combination of machinery displays, technical content and direct supplier discussions can provide a concentrated view of wire and cable processing technologies.

What the 2024 edition showed

One useful indication of the fair's scale comes from the completed 2024 edition. wire China 2024 covered an exhibition area of 80,500 square meters, bringing together 1,080 exhibitors from around the world and 41,857 professional visitors from 90 countries and regions. Those numbers describe the previous event and are not a forecast for 2026.

For the coming event, current planning points to more than 1,100 exhibitors and over 40,000 professional visitors, with more than 60 conferences and forums. Final participant counts will only be known after the fair closes. Buyers should therefore treat the 2026 figures as an event-planning expectation rather than an outcome guarantee.

Outlook for wire China 2026

The industrial wire and cable sector continues to move toward tighter dimensional control, more consistent processing and higher-value cable applications. Across this environment, wire drawing, forming, annealing, extrusion, finishing, measuring and inline testing remain interconnected parts of the production process.

wire China 2026 gives industry professionals an opportunity to review machinery and equipment across these processing stages in one place. For exhibitors, it provides a venue to demonstrate equipment and discuss production requirements with professional buyers. For manufacturers and engineering teams, the event can serve as a practical reference point when evaluating equipment configurations, process requirements and potential suppliers.

Advance visitor registration for wire China 2026 can be completed through the official pre-

registration link at <https://dwz.cn/DYkFpGQd>. More information about the trade fair, conference plans and visitor services is available on the official website: <https://www.wirechina.net/>.

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