

Wire and Cable Production Equipment Global Market Insights 2025, Analysis and Forecast to 2030, by Market Participants, Regions, Technology, Application, Product Type

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Abstracts

Wire and Cable Production Equipment Market Summary

Introduction

Wire and cable production equipment encompasses machinery used to manufacture electrical and optical cables, critical for power transmission, telecommunications, and automotive applications. This includes extruders, crossheads, winders, and other specialized tools that process materials like copper (73% of global wire and cable use) into finished products. The industry supports a global wire and cable market consuming 3.8-4.5 million tons of copper annually, with China as the largest consumer at 38%, followed by Asia (15%), Europe (15%), North America (7%), and the Middle East/Africa (18%). The market is driven by electrification trends, renewable energy growth, and automotive advancements, particularly electric vehicles (EVs). It is characterized by high precision, automation, and the need for scalability to meet diverse voltage and fiber optic demands. The global wire and cable production equipment market is estimated at USD 0.7-1.3 billion in 2025, with a projected CAGR of 2.5%-5.5% from 2025 to 2030, reflecting steady growth tied to infrastructure and technology advancements.

Market Size and Growth Forecast

Valued at USD 0.7-1.3 billion in 2025, the wire and cable production equipment market is expected to grow at a CAGR of 2.5%-5.5% through 2030. This growth is driven by electrification and connectivity demands, balanced by mature market saturation and raw

material cost fluctuations.

Regional Analysis

Asia Pacific: Growth is estimated at 3.5%-6.0%, with China dominating due to its massive cable production. India follows, with trends toward renewable energy and EV infrastructure.

Europe: The market grows at 2.0%-3.5%, led by Germany and Italy, focusing on high-voltage and automotive cables. Trends emphasize sustainability.

North America: Growth is projected at 2.0%-4.0%, with the United States driven by power grid upgrades and EV adoption.

Middle East/Africa: Growth is 3.0%-5.0%, with energy and telecom projects fueling demand.

Application Analysis

Low Voltage Cables: Growing at 2.0%-4.0%, this segment serves residential and commercial needs, with trends toward energy efficiency.

Medium Voltage Cables: With a growth rate of 2.5%-4.5%, it supports industrial power, with trends in grid modernization.

High and Extra-High Voltage Cables: Growing at 3.0%-5.5%, this is driven by renewable energy integration, with trends in long-distance transmission.

Automotive Cables: Growth is 3.5%-6.0%, fueled by EVs, with trends toward lightweight, high-performance cables.

Fiber Optical Cables: Growing at 3.0%-5.0%, it supports telecom growth, with trends in 5G and broadband expansion.

Others: Including specialty cables, this grows at 2.0%-4.0%, with niche demand.

Type Analysis

Extruders: Growing at 2.5%-5.0%, these are core to cable insulation, with trends in

automation.

Crossheads: With a growth rate of 2.0%-4.5%, they ensure precision layering, trending toward multi-material use.

Winders: Growing at 2.0%-4.0%, they handle cable coiling, with trends in speed and efficiency.

Others: Including testers, this grows at 2.0%-4.5%, with steady demand.

Key Market Players

Rosendahl Nextrom: In Austria, it offers advanced equipment for fiber optic and power cables.

SAMP: Based in Italy, SAMP focuses on precision machinery for cable production.

MFL Group: In Italy, it provides integrated solutions for wire and cable manufacturing.

Davis-Standard: In the US, it specializes in extrusion technology for diverse cables.

TROESTER: In Germany, it targets high-voltage cable equipment with robust designs.

Wuxi Hengtai Cable Machinery Manufacture Co. Ltd.: In China, it serves regional power and telecom needs.

Jiangsu Xingji Zhizao Technology Co. Ltd.: In China, it focuses on automated cable solutions.

Jiangsu Handing Cable Equipment Co. Ltd.: In China, it provides scalable machinery.

Dongguan Chuangzhan Machinery Co. Ltd.: In China, it caters to automotive and low-voltage cables.

Porter's Five Forces Analysis

Threat of New Entrants: Moderate, due to high capital and expertise barriers.

Threat of Substitutes: Low, as specialized equipment lacks direct alternatives.

Bargaining Power of Buyers: Moderate, with large cable firms negotiating, but customization limits leverage.

Bargaining Power of Suppliers: Moderate, with copper and component supply concentration.

Industry Rivalry: High, driven by innovation and pricing competition.

Market Opportunities and Challenges

Opportunities

Electrification and EV growth drive equipment demand.

5G and broadband expansion boost fiber optic needs.

Renewable energy projects increase high-voltage cable production.

Challenges

Raw material price volatility affects costs.

High initial investment limits small player entry.

Regulatory standards complicate equipment design.

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