

Wire and Cable Insulation Extrusion Line

This series of plastic extruders applies insulation and protective jacketing to wires and cables using PVC, PE, or XLPE. The extrusion process ensures a consistent layer for electrical and communication cables.



Product Overview

High-Efficiency Insulation Extrusion Line

This professional-grade extrusion line is engineered for precise application of PVC, PE, or XLPE insulation onto wires and cables. Featuring a robust design with low-noise gear speed-down motors and advanced temperature monitoring, it ensures consistent production quality. The modular configuration includes essential components such as pay-off, tensioning, extrusion, cooling, haul-off, and take-up units for a complete manufacturing workflow.

Technical Capabilities

Extruder Model Specifications

Model	Screw L/D Ratio	Extruder Diameter (mm)	Take-up Size (mm)	Heating Voltage (kW)	Extruding Speed (kg/h)
SJ45	25:1	15	630	7.5	34
SJ65	25:1	35	1600	16	120
SJ90	25:1	60	2000	25	240
SJ120	25:1	100	2500	37	400
SJ150	25:1	100	3150	64	680

System Configuration

Included Line Components

- Pay-off unit
- Tensioning unit
- Extruder
- Cool-water trough
- Haul-off unit
- Take-up unit
- Electrical control system

Cooling Features

Aluminum casting heating, Blower cooling, Water-center screw cooling