

Optical cable transmission tools optical cable pulling machine



Article Overview

Optical cable pulling machines are specialized tools designed to efficiently and safely install optical cables over long distances, in ducts, tunnels, or overhead lines.

Overview of Optical Cable Pulling Machines

Optical cable pulling machines are used to pull, lay, and tension optical cables during installation. They are essential for projects involving long-distance transmission, overhead lines, buried cables, or duct installations. These machines reduce manual labor, improve efficiency, and prevent cable damage during installation .

Key Components and Features

- **Engine and Power Source:** Machines can be powered by electric motors, gasoline engines, or variable-frequency motors, providing sufficient traction for different cable types .
- **Gearbox and Transmission Device:** The gearbox drives the main shaft and transmission belt, ensuring linear motion and controlled cable tension. Some models use magnetic powder tension control to prevent cable abrasion .
- **Traction and Clamping Mechanism:** The transmission device includes jaws or clamps that open and close to grip the cable, allowing smooth retraction and release during pulling .
- **Speed and Tension Control:** Machines often feature electronic meters to display line speed and cable length, with adjustable tension to accommodate different cable diameters and materials

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machines for fiber optical cable production

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Optical Cable Pulling Machine

Optical Cable Pulling machine for duct rod and fiber cable. Achieve speeds of 30-70 meters per minute with a traction of over 3KN.

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Fiber Optic Cable Blowing Machine

The fiber pulling machine can control air flow pressure to avoid damage to fiber optic strands inside the

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Cable Tractor Fiber optic tractor machine for telecom, ferroelectric, Netcom, power, traffic signals, trenchless traversing, etc., the

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Top 7 Must-Have Tools for Fiber Optic Technicians

A diagonal cutting plier is a specialized cutting tool designed for precisely cutting various types of cables,

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