

Automatic Reel Changing Method for Optical Cable Sheaths



Overview

A method for reel changing in automatic machines including: preparing a carriage having a robotic arm including a gripper at its free end for retaining a reel; the carriage has a support for the reel and a container for collecting cores of empty. A method for reel changing in automatic machines including: preparing a carriage having a robotic arm including a gripper at its free end for retaining a reel; the carriage has a support for the reel and a container for collecting cores of empty. The smart automatic 3-in-1 function can realize the simultaneous completion for process of "Cable peeling - Kevlar shearing - Outer sheath splitting" at same by just one action. Universal for single & duplex optical cables, 1. High production. Check patentability & draft patents in minutes with PatSnap Eureka AI! AI technical title is built by PatSnap AI team. It summarizes the technical point description of the patent document. Designed specifically to address common challenges in cable manufacturing, the AL60 significantly improves production efficiency, operator safety, and reduces downtime. HOOHA Company Limited is proud to present our latest innovation, the Optic Fiber Cable Packing Machine, equipped with an Automated Reel Switching System. This state-of-the-art equipment removes the need for manual handling, saving you time and effort, while guaranteeing precision and accuracy in. In this paper, the design of the control system for the optical cable sheath production line based on the AI algorithm, firstly uses the literature research method to describe the composition of the optical cable sheath production line and the design content of the cable sheath diameter control.

Article Content

FBT-3000 Automatic Fiber Jacket Stripping Machine

The FBT-3000 automatic fiber peeling machine is a new type of optical cable end

The FOA Reference For Fiber Optics -Outside Plant

The following items are key considerations in preparation for installing the fiber optic cable when the construction is ready for cable placement. Optical fiber cable

Fiber Optic Drop Cable Rewinding Machine - Shenzhen

This production line (Fiber Optic Cable Rolling Machine, Optical Fiber Cable Winding Machine) is used for rewinding optical cable to be smaller reels. It can

Optical Cable Lifespan Prediction Method Based on

We proposed a novel method for predicting the service life of optical cables based on the Autoformer model combined with the calculation method.

Part Number: CP-881 Reel Smart Automated Termination System

High volume applications Designed to terminate all continuously molded terminals, disconnects, and splices in reels of 3,000 or 5,000 for high volume applications

Automatic Reel Changer

Name:Automatic reel changer Model: ARC-M07 ARC-07 ARC-13 ARC-07/13 Use: Instead of manual operation at the packaging station, after taping machine

Handbook Optical fibres, cables and systems

1 Cable installation methods Optical fibre must be protected from excessive strains, produced axially or in bending, during installation and various methods are available to do this. The aim of all optical fibre

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AutoLoader AL60 | Cable Reel Handling System | Windak

Fully automated loading and unloading of cable reels, including heavy-duty reels. Simple reel size transitions with just one recipe adjustment—no manual reset required.

Design of Control System for Optical Cable Sheath Production

In the research on the control system design of the optical cable sheath production line based on the AI algorithm, many companies have conducted research on it and achieved good results.

Microsoft Word

Individual company practices for placing fiber optic cable should supersede any conflicting instructions in this document when they do not exceed the cable's optical and mechanical performance

Pre Terminated Fiber Optic Cable Reel For Sale

The reel's center of gravity is low for easy carry. · Cable Protection A tough shell protects the fiber optic cable outside. Polypropylene makes the outer shell very,

Underground Cable Installation

1.02 Methods used for placing fiber optic cables in ducts are essentially the same as those used for placing copper cable. However, fiber optic cable is a high capacity transmission medium which can

Custom Length Optical Fiber and Cable Spooling Services

High-speed optical fiber and cable spooling services for projects requiring custom precision lengths; all fiber types, many formats, & quick delivery.

Revolutionizing Production with the Full-Automatic Reel

By addressing the inefficiencies of semi-automatic systems, the full-automatic reel-change terminal collection machine enables manufacturers to achieve

GENERAL INFORMATION

When lifting reels by fork truck equipment, reels should only be lifted from the sides, and only if the blades of the fork truck are long enough to cradle both flanges. This method will ensure that the lift

Mastering Optical Cable Sheath Extrusion: Essential Setup Insights

Setting up an optical cable sheath extrusion line is a critical undertaking in the production of fiber optics, requiring both precision and strategic planning. At its core, an extrusion line serves as

Reel changing operations are faster and safer with

Windak pay-off, take-up, and rewind lines have been specifically engineered for accurate tension control, high line speed, fast reel changes, and

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This invention relates to automated machinery for winding flat filaments, in particular optical fiber ribbons, onto a take-up reel. The prior art includes many devices for winding cables, filaments, or the like.

MARS® - RiO® Reel

Optical Cable Corporation introduces RiO®, an inherent solution combining a multichannel fiber optic cable assembly with an interconnect patch panel to form

Automated packing for optical fiber cables with reel switching ...

With the Optic Fiber Cable Packing Machine's Automated Reel Switching System, you can switch between cable reels in a matter of seconds, enabling constant cable production without any downtime.

Modular Advanced Reel System (MARS®) Reel

OCC's Modular Advanced Reel System (MARS®), the industry's first lightweight cable deployment reel system, is designed specifically for the demanding needs automating optical fiber proof testing and coloring

automatic reel handling system for fiber proof testing and coloring Be faster, cheaper, less labor-intensive, sustainable, and better for the whole work environment.

Automatic roll change with impulse sealing | ROPEX GmbH

Film processors benefit from our decades of experience in the field of flying reel splicing and our range of customized splicing tools.

Automatic production changing device for optical cable sheath wire ...

Abstract The invention discloses an automatic production changing device for an optical cable sheath wire.

Optical Fiber Cable Abrasion Tester | Testron Group

Test optical fiber cable sheath and markings for abrasion resistance with our Optical Fiber Cable Abrasion Tester. Ensure durability and performance.

Fiber Optic Cable Tensile Strength Testing

Tensile strength testing ensures fiber optic cables withstand installation stress, preventing damage and maintaining reliable network

Contact Us

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