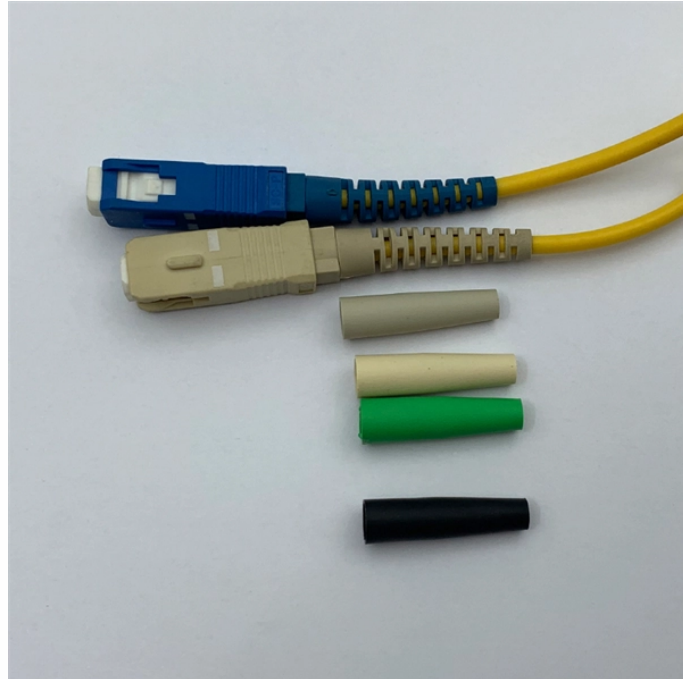


# Tension of optical cable binding machine



## Overview

Tension control: The equipment is equipped with a high-precision tension control system, which realizes automatic adjustment through the servo motor and PLC (programmable logic controller) to avoid loose or excessive stretching of the optical fiber during the winding process. Applying binder yarns with low and constant tension at high speed sets high demands to the quality of the equipment and the binder yarn material. To achieve optimum binding process requires knowledge about both binder and material. With several decades' experience within fiber optic cable machinery. Improve fiber optic cable quality and yield with precise and reliable tension control systems. AI DATA CENTERS: WHY FIBER IS BOOMING AI data centers are experiencing the largest expansion of fiber optic infrastructure in history. Roblon binders allow dual-end binding, as it can operate from one to four yarns simultaneously in one single binding point.

## Tension of optical cable binding machine



Our efficient SZ stranding technology is designed for manufacturing fiber optic cables for a wide range of indoor and outdoor applications. It ensures low stranding tension fluctuations, and consistent binding ...



ITC-PLC-70 Specialized Fiber Winding Machine  
The ITC-PLC-70 is a high-end intelligent winding machine designed for the large-scale, high-precision spooling requirements of filaments such as ...



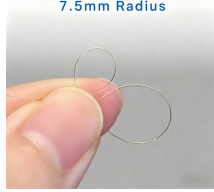
Fiber optic cable manufacturing depends on tight tension control across many delicate layers. By using modern low-tension transducers, intelligent amplifiers, and well-designed tension control zones, ...



All machines are customized per customer package size and wire line height. High-speed binding and taping heads are contained in heavy-duty frames with safety interlocks.



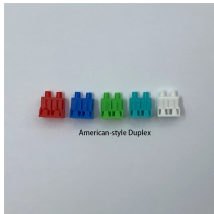
The newly developed yarn tension binder from Rosendahl with integrated yarn tension measurement enables minimum yarn tensions of 2 newtons, which cannot be achieved using ...



Benefitting from our knowledge and production of both cable machinery and cable fibers, our binders offer state of the art tension control. Roblon binders allow dual-end binding, as it can operate from ...



Benefitting from our knowledge and production of both cable machinery and cable fibers, our binders offer state of the art tension control. ...



Ever-smaller cable designs and softer materials require the ongoing development of this stranding method. The new integrated yarn tension measurement of Rosendahl's ROBI allows ...



The Optical Fiber Winder Cable Take up Machine is a device that uses a servo control system and is driven by a high-precision servo motor to neatly wind the fiber optic cable into a reel. Its core function ...



Applying binder yarns with low and constant tension at high speed sets high demands to the quality of the equipment and the binder yarn material. To achieve optimum binding process ...



The invention provides an optical cable cabling and yarn binding method, an optical cable cabling method, an optical cable and communication equipment, and relates to the technical...

## Contact Us

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