Fiber Optic Cable Winding Equipment Manufacturer



Overview

Supertek offers solutions for various areas of the fibre industry in the fields of filling technology, automation, machine and plant engineering and winding technology.

Key Takeaways

Leading manufacturers of fiber optic cable winding machines include Supertek, Rosendahl Nextrom, and Showmark, offering high-precision, automated, and modular winding solutions.

Supertek

Supertek specializes in high-precision winding machines for optical fibers, ultra-fine wires, and technical filaments. Their product range includes semi-automatic and fully automatic winders, pay-off and take-up units, and electronic traverse systems for precise spooling patterns. Supertek machines feature ultra-precise tension control, high-resolution positioning, and modular designs that allow integration into existing production lines.

Their systems are suitable for delicate fibers, fiber Bragg gratings, and specialty optical fibers, ensuring gentle handling and consistent winding quality. Supertek also provides software solutions like SUMMI for real-time control and monitoring of winding processes.



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Rosendahl Nextrom

Rosendahl Nextrom is a global supplier of production technologies for optical fibers and fiber optic cables. Their winding machines are designed for pay-off and take-up operations, supporting high-speed insulation processes and heavy reels up to 2,500 kg. The machines are customizable to accommodate different cable sizes and production requirements, with integrated PLCs and touch terminals for easy operation.

Rosendahl Nextrom emphasizes stability, speed, and maintenance-friendly handling, making their winders suitable for telecom preforms, specialty fibers, and fiber optic cable production.

Showmark

Showmark manufactures respoolers and winders for optical fiber, cable, and fine filaments. Their machines are built in the U. S. to meet domestic and international safety standards and are used in industries such as telecom, medical, aerospace, and defense.

Showmark offers custom winding solutions with advanced motion control systems, operator-friendly interfaces, and on-site service and training. Their equipment is designed for precision, reliability, and flexibility, capable of handling unusual or specialized fiber applications.

Summary

These manufacturers provide a range of solutions for fiber optic cable winding, from compact tabletop units to high-speed industrial systems. Key features include tension-controlled winding, automated traverse systems, modular designs, and software integration for process monitoring. Choosing the right manufacturer depends on production scale, fiber type, and required precision, with Supertek, Rosendahl Nextrom, and Showmark being prominent options for high-quality winding equipment.

Article Content

Winder and spooler, winding machine for fibre, glass fibre, coal fibre ...

Supertek offers solutions for various areas of the fibre industry in the fields of filling technology, automation, machine and plant engineering and winding technology.

Cable Winding Machine | Spooling Wire | Cable Coiling

Our equipment ensures efficient, reliable and seamless operation for all your cable winding and unwinding needs. Explore our range of Payoffs, Take-ups and Rewind Lines today.

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Showmark Home

Showmark, LLC is a manufacturer of respooling and winding machines for delicate materials such as optical fiber, fine wire and other fine filaments. Standard and

Winding Machines | Products and Machines by Supertek

You get customized machines flexibly, quickly and economically – thanks to innovative winding technology and standardized components from Supertek.

Fiber Optic Spooling Machines | Supertek

Supertek''s fiber optic spooling machines offer the perfect solution for efficient and precise processing of fiber optic cables. With their unique technology, precise control, and high speed, these machines

Fiber Optics Industry :: Supertek

Our technologies are designed to optimize your production processes and meet the demanding requirements of fiber optic production. A significant component of our offering is the semi-automatic

machines for fiber optical cable production

Acquire reliable equipment to produce optical cables for outdoor applications. Our machines win customers over with their outstanding quality, high production

Fully Automatic Fiber Winding Machine | Optical Fiber

NovaLynx fully automatic fiber winding machine is designed for high-speed and precision winding of optical fibers and ultra-fine wires. It provides stable tension

Products

Showmark, LLC is a manufacturer of respooling and winding machines for delicate materials such as optical fiber, fine wire and other fine filaments. Standard and

Supertek WLT

From precision winding and spooling systems to custom automation and high-performance machine modules. Our technologies meet the highest quality

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Optical Fiber Products

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Optical fiber broadband brings together a culture of innovation, quality, and manufacturing excellence to create life-changing products.

Micro-Precision 3D Printers

Fiber optics sit at the core of modern photonics, enabling high-speed communications, data centers, and advanced sensing systems. As fiber optic components become smaller and more complex,

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RLH Industries, Inc. | Fiber Optic Link

RLH Industries manufactures industrial fiber optic communication equipment: converters, Ethernet switches, enclosures, fiber cable, and power supplies.

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Structured Cabling Solutions

ICC is a structured cabling solutions manufacturer of copper & fiber optic connectivity products for commercial & residential applications.

Fiber optic cable materials and production equipment | Roblon

Cable binders, servers, and precision winders As a world leading manufacturer of cable-making equipment, we also spezialise in binders, servers, and precision winders. The machines are

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