

Fully Automated Assembly Machine for Optical Cable Terminal Boxes



Overview

Our Fiber Optic Box Automatic Assembly Machine integrates robotics and precision engineering to automate the entire assembly process. Designed for efficiency, it reduces labor costs by 60% and increases production output by 200%. This machine ensures seamless integration into existing production. The system FlexLine stands for automated processing based on robotics and modularization. Schäfer is putting the current customer-specific requirements into practice with this future-oriented solution, for example for cable processing. The system is particularly suitable for a high variety of. According to the study "Panel building 4.0" by the Institute for Control Engineering of Machine Tools and Manufacturing Units of the University of Stuttgart in classic panel building, 72% of the working time in the installation phase is required for wiring and mechanical assembly.



Article Content

Dec 05, 2025

Semi-automation in cable assembly

The market offers panel builders a wide array of solutions for cable assembly ranging from manual to fully automated. Participants in the study “Panel building 4.0” see

Jun 05, 2026

Automated Wire Harness & Cable Assembly | Kato Cable

Kato Cable delivers automated wire harness and cable assembly services designed for speed, accuracy, and consistency. Our automation technology supports high

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Ultimate Guide to Fiber Optic Distribution Box: Types

Fiber optic technology has revolutionized the telecommunications industry, enabling faster and more reliable data transmission. One essential

Dec 11, 2025

FlexLine EXTENDED

The system is an innovative complete solution for cable assembly, which complements the product portfolio from conventional manual workstations to fully automatic machines.

Sep 01, 2025

Automatic Wiring Machines Kablator

Automatic cable machines help to optimize production processes and increase efficiency. At Kablator, we have developed a flexible, modular system to provide

Mar 18, 2026

All You Need To Know About Fiber Termination Boxes:

Source In this blog, we will discuss the two types of fiber optic cables and the role of a simple yet essential piece of equipment in the fiber laying

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Fiber Terminal Boxes: What They Are and Why You

A fiber terminal box, is a device used in fiber-optic communication networks to terminate, splice, and distribute optical fibers. It is a small enclosure

Apr 05, 2026

Fiber Optic Distribution Box, Termination Box & Patch

Definition of fiber optic patch panel Fiber optic patch panel is also called as fiber optic terminal box, fiber distribution panel. It is a hardware to terminate fiber optic cable

Oct 13, 2025

Automated Assembly Machine for Fiber Optic Box

Our Fiber Optic Box Automatic Assembly Machine integrates robotics and precision engineering to automate the entire assembly process. Designed for efficiency, it

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Automated Wire Harness Production – Precision

Enhance efficiency with our automated wire harness assembly machine. Featuring wire cutting, stripping, bundling, and connector insertion, it ensures precision and

Jun 23, 2026

30 Types of Optical Cable Production Equipment

Explore 30 essential types of production equipment used in optical cable and fiber optic assembly manufacturing. Learn how these machines enhance efficiency

Dec 02, 2025

Learn About Fiber Optic Terminal Boxes for FTTH

Fiber Optic Connectors In FTTH applications, fiber optic terminal boxes serve as the Optical Distribution Point, providing a crucial connection point

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Fiber Terminal Box

Fiber Terminal Boxes GAO Tek's fiber terminal boxes are devices used in fiber optic networks to terminate and manage fiber optic cables. Our boxes serve as a connection point for incoming and

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Omega 740 | Komax

The Omega 740/750 wire assembly machine can be used to produce wire harnesses of various complexity and to equip them with terminal

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FTTH Distribution Terminal Box, FTTH Fiber Optic

Fiber Optic Termination Box is used in the end termination of drop cables in residential buildings and villas, to fix and splice with pigtails. UnitekFiber supplies

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Long-lasting Optical Fiber Termination Box Supplier

Made of cold-rolling steel, our optical fiber termination boxes are easily fitted into small capacity networks to connect and protect optical cable and fiber pigtails.

Aug 24, 2025

The Comprehensive Guide to Fiber Termination Boxes (FTB): Design ...

Fiber Termination Boxes organize and protect fiber optic cables, ensuring reliable, high-speed network connections in challenging environments.

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Fiber Optic Termination Boxes, Optical Termination Box

Fiber optic termination box series products are auxiliary equipment for terminal wiring in optical fiber transmission communication network, suitable for direct and

Oct 19, 2025

Fully automated wire processing machine Wire Terminal

Fully automated wire processing including length-cutting, stripping, fitting with wire end ferrules and labelling. As well as project-specific order picking into the

Oct 31, 2025

Optical Terminal Box | Reliable FTTH Termination

Durable optical terminal boxes designed for FTTH networks. Ensure neat cable management, secure connections, and fast installation with HOLIGHT.

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Optical Network Terminal Boxes | Products & Suppliers | GlobalSpec

Find Optical Network Terminal Boxes related suppliers, manufacturers, products and specifications on GlobalSpec - a trusted source of Optical Network Terminal Boxes information.

May 24, 2026

Semi-automation in cable assembly

The Weidmüller Wire Processing Center (WPC) offers an ideal solution for the semi-automation and increases efficiency in cable assembly by up to 80%. The WPC consists of an automatic cutting

Nov 03, 2025

State-of-the-art machinery for cable assembly | CiS

With our state-of-the-art and fully automated machines, we process various strands and cables in any batch size—without changeover times. Automated processes,

May 26, 2026

machines for fiber optical cable production

We provide solutions and equipment for optical glass making, fiber drawing, fiber coating, ribbon making, proof testing and fiber optic

Apr 30, 2026

Machine Platforms and Product Lines - ficonTEC Service

Fully automated, industry-qualified assembly for optoelectronics and singulated photonic devices and PICs. Featuring high-precision "align-& -attach" bonding

Jan 21, 2026

Types of Fiber Optic Terminal Boxes: How to Choose

The article discusses choosing fiber optic terminal boxes, covering types, materials, costs, and best practices for efficient network performance. It

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