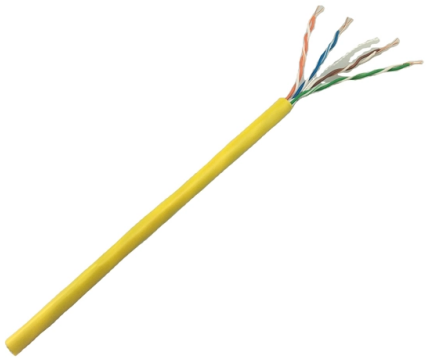
Price of Low-Temperature Resistant Optical Separator for Automated Distribution Network in Belgium



Overview

Used Tomra Titech for sale on Machineseeker.comSuitable for sorting plastics and other materials using VIS/NIR identification, enabling separation by polym.

Key Takeaways

Optical separators for automated distribution networks typically range from €20,000 to over €100,000 depending on specifications, throughput, and customization.

Overview

Optical separators, including NIR (near-infrared) and color-based systems, are used for automated sorting of materials such as plastics, metals, paper, and wood. Suppliers like Senro BV provide fully custom-built NIR separators capable of high-purity separation, while ERGA and Bronneberg offer solutions for mining, recycling, and metal processing applications. These systems are designed for high accuracy (≥98%), modular upgrades, and integration into automated networks.

Factors Affecting Price

Temperature Resistance: Low-temperature resistant models require specialized components and insulation, increasing cost. Throughput Capacity: Systems range from 1 to 15 tons per hour, with higher capacity units costing more. Sensor Technology: NIR sensors, hyperspectral imaging, and AI integration for material recognition add to the price.

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Customization: Tailored solutions for specific material types, particle sizes, or automated network integration increase cost.

After-

Sales Support: European suppliers often include service contracts, which can affect the total investment. Typical Price RangeEntry-level optical separators: €20,000–€40,000, suitable for small-scale sorting or basic color separation. Mid-range industrial systems: €40,000–€70,000, offering NIR detection, moderate throughput, and some customization.

High-end, fully automated separators: €70,000–€120,000+, including low-temperature resistance, AI-assisted sorting, and integration into automated distribution networks.

Recommendations

Contact Senro B

V for custom NIR separators optimized for low-temperature environments in Belgium.

Evaluate ERG

A or Bronneberg for high-throughput or metal-specific sorting applications. Request quotes including installation, maintenance, and warranty, as these can significantly affect total cost. Consider modular designs to allow future upgrades as sorting requirements evolve.

By assessing throughput, material type, and environmental conditions, you can select a system that balances performance and cost for your automated distribution network in Belgium.

Article Content

Used Tomra Titech for sale on Machineseeker

Suitable for sorting plastics and other materials using VIS/NIR identification, enabling separation by polymer type and by color.

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Optical Separator Suppliers & Exporters

Directory of Optical Separator Suppliers provides list of optical separator exporters and optical separator companies offering quality optical separator products and services.

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Optical (NIR) Seperator

The purpose of the optical NIR separator is the fully automated separation of different materials from a material flow. Using the near-infrared (NIR) principle, Senro''s NIR separators can detect and sort a

Optical Sorters | MSS NIR & AI Sorting Equipment | CP Group

Optical separation of commodities yields high throughput and low-cost recovery. Mechanical separation alone is no longer a viable option for MRF operators because 2D material is no longer limited to

Optical Separator: High-Accuracy Sorting Solutions

The optical separator market offers diverse solutions tailored to specific sorting applications. Below is a comparative analysis of leading industrial-grade systems:

Optical separator

The serially produced models of ERGA ReSortika CF optical separators are presented in the table. Custom solutions can be developed according to the technical specifications requirements.

Bronneberg Optical Sorting Devices

Bronneberg offers optical separators, or color separators, for responsible, high-quality, and precise sorting of your precious metals such as copper granules. Our optical separators are also perfectly

Optical sorter

Series-produced models of ERGA LuxSortika VF optical separators are given in the table. Customized solutions can be designed according to the order requirements.

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Buy Robosep Automated Cell Separator Online at best price

Robosep Automated Cell Separator : Product description RoboSep™ is the first instrument to offer true walk-away automation of immunomagnetic cell separation. Using column-free EasySep™

Optical Separators | Muqeen Recycling Machines

Optical separator is one of the most important units that must be available in automatic waste sorting lines. The waste stream to be sorted is passed by the

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Automated separator

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Automated cell isolation with the autoMACS® Pro Separator provides fast and gentle isolation of any cell type. Cells can be automatically isolated from PBMCs,

Miltenyi Biotec autoMACS Pro Automated Cell Separator

Miltenyi Biotec autoMACS Pro Automated Cell Separator SKU: 4903 Category: other Instruments Available immediately

Droplet seperator systems for process technology

Droplet Separator LTV 271 Vertical-flow droplet separator system with standardized profile widths. Good separation performance with low pressure losses.

Stemcell RoboSep-S Cell Separator

The Stemcell RoboSep -S is a fully-automated cell separator based on column-free EasySep technology. EasySep is an immunomagnetic cell separation technology

Optical separator

Modern photo separators are distinguished by the fact that recognition occurs by color, configuration, shape, etc., while conventional optical separators are sorted

Contact Us

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Technical inquiry: https://bagyou.es/project-enquiry.html

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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