How to use a fiber optic sensor color sorting machine

Overview

After the optical sensor captures the photo, AI determines what the object is and how likely it is, and passes the judgment result to the sorting machine. The instantaneous image is captured through the optical lens and passed to the next link for analysis. FiberMax™ employs a high-resolution sensor to accurately sort fiber material at speeds up to 1,000 FPM (5m/sec). It is designed for positive sorting of various materials, including contaminants and OCC from. At MSS, our CIRRUS FiberMax™ technology revolutionizes sorting automation, providing unparalleled operational flexibility and efficiency in recycling. The ultimate optical sorting solution for MRFs significantly enhances fiber purity, improving marketability and providing quick returns on. TDI Packsys Optical Sorters automatically detect and eliminate defective materials in bulk products using advanced optoelectronic technology. They improve product purity, reduce manual. TOMRA is the worldwide leader in optical sorting.

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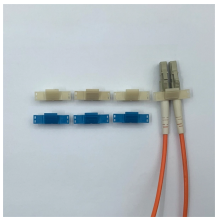
Leveraging the CIRRUS sensor platform, this system offers superior detection accuracy and flexibility. With MaxSelect™ and ClearLight™ technologies, it delivers high-definition imaging without the need ...

Optical sorting (or sensor-based sorting) is a technology that uses various sensors (such as cameras, lasers, or spectrometers) to automatically detect and separate items based on visual or ...

Most optical sorters designed to sort flakes use metal sensors or color cameras. TOMRA''s is the only flake sorter that successfully combines simultaneous detection of color, enhanced material ...



Optical color sorters work by passing the product down a chute and into a small freefall. In this freefall, LEDs are used to illuminate the product, and a series of cameras capture the product image as it falls.

The concept on the Fibersort ® machine is always the same, textiles should be fed one-by-one to the scanners and cameras for most accurate sorting and to enable a single-pass sorting in unlimited ...

Make the most of secondary raw materials with our advanced optical sorting systems designed for waste recycling and metal recovery. We develop all sensors, mechanics, and software in-house for you to ...

Explore optical sorting technology. Learn how color sorters integrate with magnetic & vibratory equipment to ensure 100% product purity.

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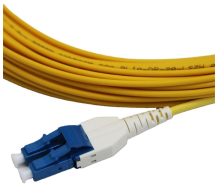

FiberMax™ enhances fiber product quality and reduces manual sorting on the fiber QC line. FiberMax™ employs a high-resolution sensor to accurately sort fiber material at speeds up to 1,000 FPM (5m/sec).

Using technology made more efficiently by a High-speed, short wave Infra-red (SWIR) Hyperspectral Detection System, the MACH Hyspec® can sort different types of material, such as Plastics (PET, ...

Contact Us

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