

CCD Color Separator

The CCD color separator utilizes advanced CCD sensor technology for high-speed digital image signal processing. It accurately detects and differentiates subtle color variations in materials to ensure efficient and reliable sorting.



Product Overview

High-Precision Sorting Solution

The CCD Color Separator utilizes advanced Charge-Coupled Device (CCD) sensor technology to provide high-speed digital image processing and accurate color target recognition. By integrating high-performance numerical algorithms, the machine ensures exceptional precision in identifying and removing impurities from raw material streams. Designed for efficiency, it features a durable jet actuator system and a versatile material conveying mechanism suitable for diverse industrial applications.

Technical Specifications

Sensor Technology	CCD (Charge-Coupled Device)
Core Features	High-Speed Processing, Color Target Recognition, Digital Image Signal Processing, Advanced Numerical Algorithms

Operation and Control

Interface & Control

- User-friendly control panel
- Color recognition input technology
- Wide range color selection parameters
- Real-time monitoring capabilities

Conveying System	Caterpillar material conveying system
Actuator System	High-speed, long-life jet actuators