

ABT-CS1 model color sorter



ABT-CS1 Color Sorter: Advanced Industrial Machine for High-Precision Sorting

The ABT-CS1 color sorter is an advanced industrial machine designed for high-precision sorting of food and non-food materials. It utilizes imaging technology to identify and separate materials based on their color.

Key Features:

- **High capacity:** The machine has a nominal grain inlet capacity of 0.5-1.5 tons per hour, suitable for various industries and meeting production requirements.
- **64 channels:** The ABT-CS1 color sorter features 64 input and 64 output channels, allowing for the separation of a wide range of materials.
- **Conveyor belt:** The machine is equipped with a conveyor belt for material feeding and discharge, accommodating various applications.
- **64 ejectors:** The device includes 64 ejectors for precise material separation, ensuring accurate sorting results.

Camera Specifications:

- **High-resolution cameras:** The ABT-CS1 color sorter is equipped with two 5400-pixel cameras, enabling high-precision color identification of materials.
- **Advanced filters:** The cameras utilize 8-bit, 16-bit, and SMC filters to efficiently absorb light and provide clearer images of materials.
- **User-friendly display:** The 10.3-inch display allows for convenient viewing of camera images and adjustment of machine settings.

Light Source:

- **LED light:** The machine utilizes LED light as the light source, ensuring uniform light distribution on the material surface and facilitating clear imaging.

Performance Specifications:

- **High sorting accuracy:** The ABT-CS1 color sorter boasts a sorting accuracy of 99.99%, guaranteeing precise separation of materials.
- **Powerful motor:** The machine is equipped with a 0.8-2 kW motor, providing sufficient power for operation at the nominal capacity.
- **Adequate air pressure:** The required air pressure is above 0.6 MPa, meeting the operational requirements of the machine.

Electrical Specifications:

- **Versatile power supply:** The ABT-CS1 color sorter operates on 220V/50Hz power, compatible with electricity in many countries.

Physical Specifications:

- **Compact size:** The machine measures 1058 * 1562 * 1897 mm, facilitating installation and setup.
- **Lightweight:** The device weighs 300 kg, enabling convenient transportation.

Overall, the ABT-CS1 color sorter is an efficient and precise industrial machine that can contribute to enhancing the quality and value of products in the food, agricultural, and manufacturing industries.

For more information about this product, please scan the QR code below.

