

## OPTICAL INSPECTION SYSTEMS SPECIFICALLY DESIGNED FOR THE RECYCLED AND ENGINEERING RESINS INDUSTRIES



ScanMaster II



PelletScan



Full Color Belt Sorter

Remove off color and defects from flakes, regrind and pellets.

Increase quality with 100% inspection and maximize profits by minimizing rejected lots and customer complaints.

# ScanMaster II

A well-proven optical sorter that can be programmed to remove overall color contamination as well as spot defects of 0.4 mm and above.

The ScanMaster Series utilizes specialized chutes or "slides" that are closely bundled in order to achieve high capacity and singulation in a very small footprint. The machines are available in 1, 2, 4 or 8 chute configurations. There are three versions of the ScanMaster:

▶ **ScanMaster IE**

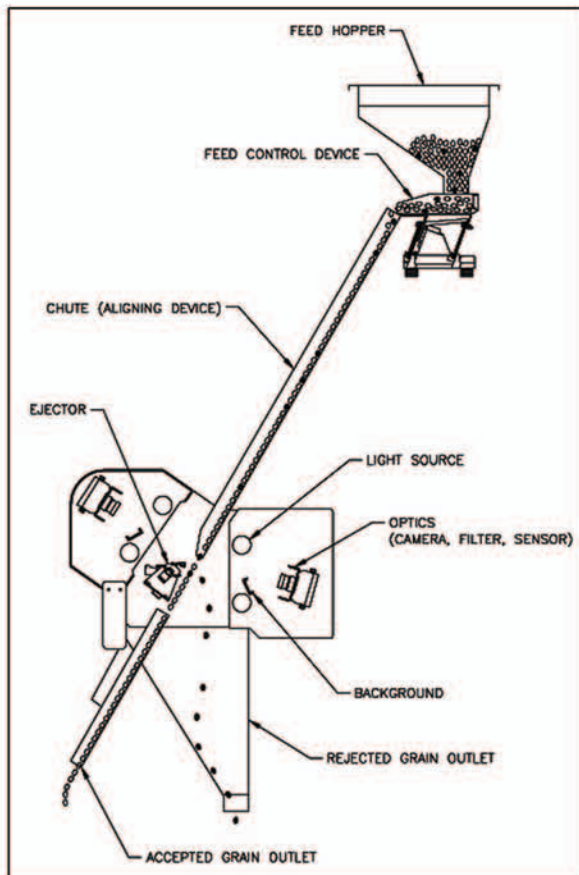
Incorporates up to 16 high resolution CCD cameras to inspect product for visual defects.

▶ **ScanMaster SE**

Utilizes CCPD cameras working in the Ultra-Violet Light Spectrum

▶ **ScanMaster XE**

Uses patented infrared sensors



## FEATURES AND OPTIONS:

- ▶ Built-in resort capability on larger models
- ▶ Graphical display of ejector firing rates promotes a higher quality yield and a more consistent sort
- ▶ Diagnostic display, maintenance log and run time statistics provide the tools to increase production effectiveness and reduce downtime
- ▶ Real time interface is available to provide sorting information to your plant data system
- ▶ 100 programs for quick product changeover
- ▶ Quick Filter Change Kit to reduce downtime between products
- ▶ Product sampling tubes for online product sampling
- ▶ Optional air conditioner
- ▶ Menu text available in several languages
- ▶ Satake-EveryWhere remote administration and support system allows you to monitor your machines from anywhere via the internet. The system also allows Satake experts access to the machines, expediting trouble shooting and issue resolution.



# PelletScan

A two-pass sorter that was specifically designed for very high resolution plastic sorting, capable of removing black specks of 0.1 mm and above.

## ▶ Cameras



High resolution CCD with 6 cameras per pass = 12 per machine  
Optical Resolution: 0.1 mm diameter  
Ability to detect speck within transparent products

## ▶ Dual Pass Belt System



Dual Pass for maximum accept product purity  
Variable belt speed  
Integrated ionizers eliminate static build up  
192 ejector valves minimize good product loss

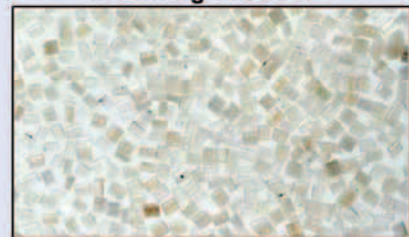
## OTHER FEATURES AND OPTIONS:

- ▶ Online or batch use
- ▶ Capacity range from 2,500 to 5,000 pounds / hour depending on product density
- ▶ Minimize rejected lots with 100% inspection

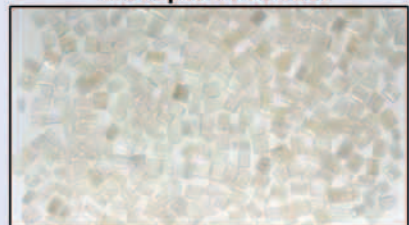


## TYPICAL SORT TEST:

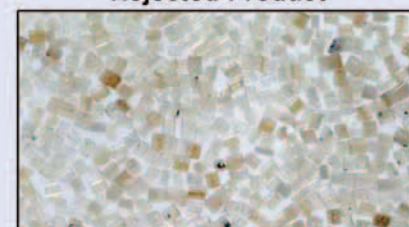
Incoming Product



Accepted Product



Rejected Product



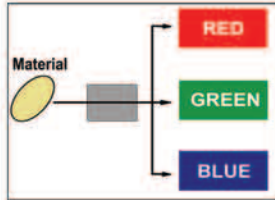
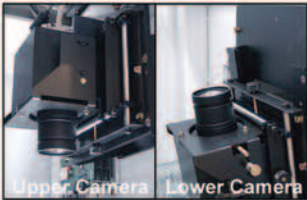


# Full Color Belt Sorter

CS-300BI-C / CS-300BM-C / CS-600BI-C / CS-600BM-C

The Full Color Belt Sorter utilizes the use of a full color camera (RGB), which allows for flexibility and sorting of a wide range of colors.

## ▶ Adoption of Full Color Camera



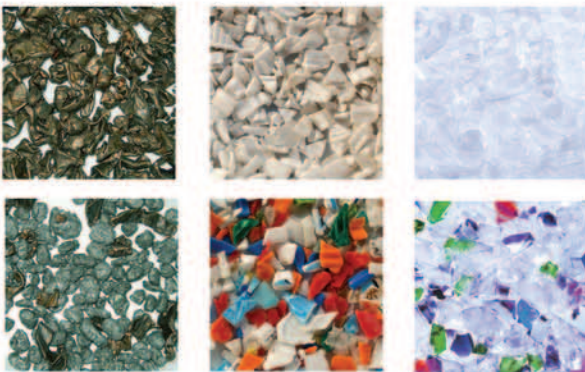
The full color camera simultaneously uses three wave lengths, which are R (red), G (green) and B (blue).

## ▶ Ability to Select any Color



Simply select the color(s) to be accepted and / or rejected, and separate at the touch of a button.

## ▶ Color Defect Removal



Pictured above are some of the sorts that are applicable to this machine.



## OTHER FEATURES AND OPTIONS:

- ▶ Sensitivity setting by image data - Ability to detect small color differences by comparing images with stored data.
- ▶ Large-sized color touch panel on movable arm, allowing for easy operation.
- ▶ 100 settings can be stored - Product change with one touch. Unnecessary to change filters, fluorescent lamps and chute, etc.
- ▶ Easy maintenance - Cleaning, fluorescent lamp replacement and belt replacement.

FOR MORE INFORMATION OR TO MAKE ARRANGEMENTS FOR A SAMPLE TO BE TESTED, PLEASE CONTACT:

Creating the Future

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