S-4001 MAXIMA TRICHROMATIC SORTER

THE NEW REVOLUTION IN COLOUR SORTING

The SPECTRUM S-4001 MAXIMA series Trichromatic, RGB (Red, Green, Blue), CCD Camera based color sorters are the culmination of the efforts of constant R & D in color sorting systems, of over two decades at Spectrum Industries.

The S-4001 MAXIMA use advanced 5400 pixel x 3, Tri-linear RGB, CCD Line Scan Cameras to scan the product in the Red, Green and Blue region of light in order to identify even subtle defects in product quality.

The S-4001 MAXIMA is available with Penta-chromatic, LED Solid State High Intensity lighting for far sharp illumination of the product being sorted. The combination provides high resolution imaging that is displayed on a 15" Colour LED TFT screen, for online viewing of the product. The resultant data is compared with pre-set parameters, to reject the defective product using ultrafast, long life custom designed pneumatic ejectors.

The S-4001 MAXIMA has the ability to detect and reject over 200,000 objects/minute with a defect size of even 0.025mm sq. The Penta-chromatic LED solid state lightning provides high intensity stable lightning with extremely long life, giving the machine the ability to sort multiple products with ease on the same machine, without any requirement whatsoever to change thelightning for sorting multiple products.

The S-4001 MAXIMA is fully computer controlled with automatic calibration and self-check procedures. Instant change over from one product sort to another is possible, using pre-stored sorting Algorithms.

S 4001 - CAMERA SORTER
MAXIMA TRICHROMATIC

SPECTRUM

TECHNICAL FEATURES

- Trichromatic RGB (Red, Green & Blue), CCD Line Scan cameras.
- High Resolution with 5400 pixels 3, tri-linear CCD Camera,
- Penta-chromatic LED Solid state high intensity long life stable lightning.
- On-Line live visual display of product being on 15 Colour LED TFT screen.
- Ultra-fast long life pneumatic ejectors with response time of 1ms and life up to 5 billion cycles.
- Automatic cleaning of viewing area by wiper system.
- Automatic online calibration with self-check procedures.
- Fully computer controlled.

BSI
UKAS
FM 70723
ISO 9001:2000 CERTIFIED

SPECIFICATIONS

Air Requirement	
Pressure	7 Bar(100 PSI)
Consumption	15-50 Ltr/sec(32-110cfm) approximate depending on the rejection rate.
Air Quality	Free of Oil, water and dirt

Electrical Requirement	
Voltage	230 V AC Single phase
Frequency	50hz
Power	2 Kw

Note:
- Available in capacities ranging from 1 to 12 ton per hour.
- In View of improvements in design, Specifications are subject to change without prior notice.