



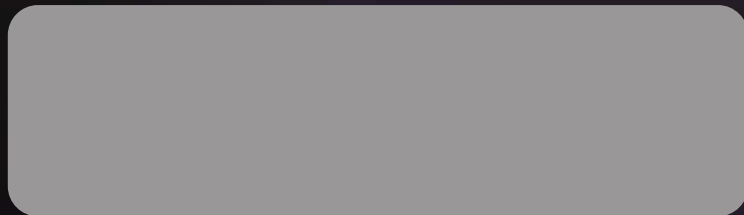
The S-4001 - makes better business sense

- **Better sort quality** using advanced digital cameras with precision scanning.
- **Minimal loss of good product** due to super fast pneumatic ejectors.
- **Inbuilt Statistical tools** for storing scan / processing details.
- **High level of customisation** with a GUI based interface to fine tune the machine to your individual processing requirements.
- **Data Storage Options** help you build up a database for future reference.
- **Multiple Product Sorting** is possible with ease and with minimal changeover time.
- **User friendly interface** with large TFT screen for ease of operation requiring minimal operator skills.
- **Flourescent lighting with advanced circuitry** ensure uniform illumination, long life and stable operating temperatures.
- **Robust design with good build quality** ensures reliable and consistent performance.
- **Minimal operational costs** due to the use of quality components and low cost of replacement.
- **Back up Service** is available online and onsite.

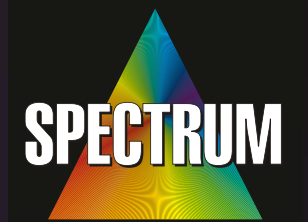
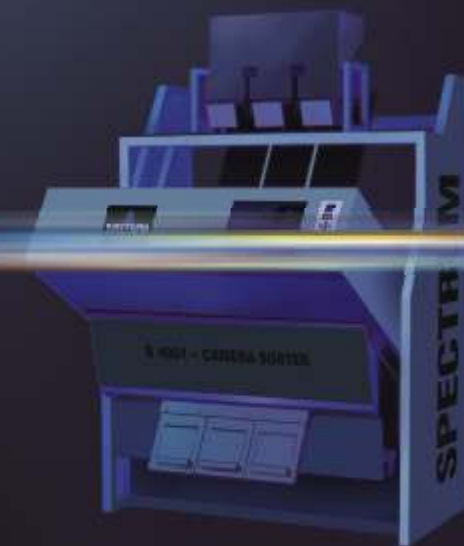
For details and enquiries contact:

SPECTRUM INDUSTRIES

C-14, 15 & 16, Yeyyadi Industrial Estate
Mangalore - 575 008, Karnataka, India
Phone: 91 824 2221018 Fax: 91 824 2214395
Email: sales@spectrumindustries.org
Website: www.spectrumindustries.org



i n n o v a t i o n b y d e s i g n



Superior by design



Spectrum Industries

Spectrum Industries is the leading manufacturer of high quality cleaning, grading & sorting machinery for the food industry, based in Mangalore, India. Spectrum's commitment to customer care is total & its mission is to provide clients with high quality products that can support, transform their business and help them succeed.

Custom Design & Manufacture

We are a nationally recognized manufacturer of quality products from stand alone machines to complete plants for the food processing industry since 1991. We design and manufacture machines to customer specifications for different uses.

We have a dedicated in-house R&D department that spearheads developments in machine design and build quality. Our emphasis has always been on total customer satisfaction with continuous innovation. Today we are the leading manufacturer of seed cleaning and grading machines as well as Camera based Color Sorting Machines in India.

Superior Technology

All our products incorporate advanced features and innovative designs which make our machines quite versatile besides offering higher efficiency and consistency.



SPECTRUM S-4001 Camera Sorter

The SPECTRUM S-4001 Camera Sorter can be used for a wide range of sorting applications such as for food grains like rice, coffee, cereals, pulses, groundnuts etc., and dehydrated vegetables such as carrot and onion.

Using advanced high resolution line scan Cameras, the product to be sorted is scanned at up to 6000 scans per second producing a very high resolution image of the object.

The resultant image is displayed on a TFT screen for online viewing of the product.

The product data is compared with user preset parameters to reject the defective product using ultra fast pneumatic ejectors.

The S-4001 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.



Features

- High resolution line scan Cameras.
- Upto 6000 scans per second.
- Automatic cleaning of viewing area by wiper system.
- Ultra fast pneumatic ejectors.
- Automatic online calibration with self check procedures.
- Fully computer controlled.

Technical Details

Air Requirements

Pressure	: 7 Bar (100 PSI)
Consumption	: 15-50 Ltr/Sec (32-110 cfm) approximate depending on the rejection rate
Air Quality	: Free of Water, Oil and Dirt

Electrical Requirements

Voltage	: 230 V AC Single phase
Frequency	: 50 Hz
Power	: 2 KW



FM 70723

