HAWK EYE

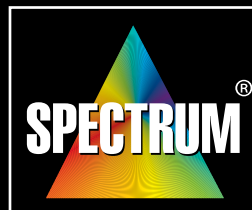Powered by **AI**, Driven By **Hawk Vision** Technology

SPECTRUM

SPECTRUM INDUSTRIES

CLEANING, GRADING & SORTING SOLUTIONS

HAWK EYE-100 & 200

Powered by **AI**, Driven By **Hawk Vision** Technology

CASHEWNUT OPTICAL SIZE GRADER FOR WHOLES AND SPLITS

Hawk Vision Technology Employed

▼ *Decreases **Cost** (Less Labour)*

▼ *Decreases **Risk** (Less Errors)*

▲ *Increases **Efficiency** (Grade More In less Time)*

Using AI & Machine Learning

Upto 200 Kgs/hr throughput

9 Grades in one pass

Greater than **95%** Accuracy

24 Hrs Operation

- ❖ **200 Kg** throughput per hour
- ❖ **9 Grades** in a single pass
- ❖ **95%** Count Accuracy
- ❖ 2% or less breakage
- ❖ Defect & Husk Removal
- ❖ Controllable grades 180/210, 240, 280, 320, 400 & 450/500
- ❖ Plug-N-Play system
- ❖ Simple System for Cashew Processors
- ❖ **24 hrs** Duty Cycle
- ❖ 7.5 HP Total Power, 3 Phase.
   (2.5 HP for the machine and 5 HP for the Air Compressor)

RGB

5400 Pixels Full Color CCD Camera

S-4001 MAXIMA
Powered by **AI**, Driven By **Machine Learning**

SPECTRUM®
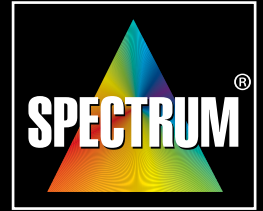
TRICHROMATIC RGB CCD CAMERA SORTER

- ❖ Full Colour Trichromatic RGB (Red, Green & Blue), CCD Line Scan cameras.
- ❖ High Resolution 5400 pixels tri-linear CCD Camera.
- ❖ Penta-chromatic LED solid state high intensity long life stable lighting.
- ❖ Online live visual display of product being sorted 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 the viewing area by wiper system.
- ❖ Fully computer controlled with automatic on-line calibration with self-check procedures.

RGB *5400 Pixels Full Color CCD Camera*

24 *Hrs Operation*

200 *Kgs/ Hr or multiples thereof*

ULTRA FAST *German Pneumatic Ejectors*

S 4001 - CAMERA SORTER
SPECTRUM

CE

SBS-4001 MAXIMA

Powered by **AI**, Driven By **Machine Learning**

BELT TYPE TRICHROMATIC RGB FULL COLOUR CCD CAMERA SORTER

Ideal for sorting brittle products such as Cashewnuts, Almonds, Raw & Blanched Peanuts etc., as well as non-free flowing material such as Raisins, Fresh & Dehydrated Vegetables such as Onion, Garlic, Carrot Cubes etc

Available in capacities ranging from 0.5 to 5 tons per hour

RGB
5400 Pixels Full Color CCD Camera

ULTRA FAST
German Pneumatic Ejectors

24
Hrs Operation

A BRIEF ABOUT THE COMPANY

Spectrum Industries is an Internationally recognized manufacturer of Cleaning, Grading & Colour Sorting Machinery for the Food Processing Industry with complete commitment towards providing the best of service, value and quality to our customers.

We have been the pioneer manufacturers of Electronic Colour Sorters in India since **1993.** We are an **ISO 9001 certified company** since 2001 and have been certified for the **Design, Manufacture and Supply** of Colour Sorters by the British Standard Institute. Our Colour Sorting machines are also **Conformity European (CE) Certified.**

We provide **complete turnkey solutions** for processing a wide variety of seeds, nuts and all types of food grains and cereals , ranging in capacities from **1 to 10 tons** per hour.
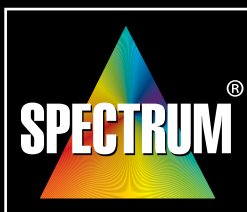
| **27 Yrs** of Excellence | **1600** Machines Sold | **45** Applications & More | **25** Countries | **ISO 9001:2015** Certified | **150** Employees | **50000** sq.ft Mfg Unit |

Designed By GCS, 9343345757

SPECTRUM ®

SPECTRUM INDUSTRIES

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