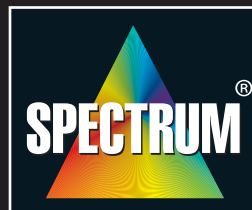




# HAWK EYE

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



**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)

**Upto  
200**

Using AI & Machine Learning

Kgs/hr throughput

**9**

Grades in one pass



**24**

Hrs Operation

Greater than **95%** Accuracy



- ❖ **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**



## 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



# 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

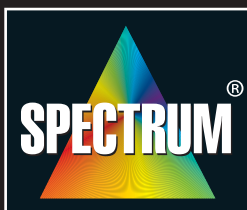
**45**  
Applications  
& More

**25**  
Countries

**ISO**  
9001:2015  
Certified

**150**  
Employees

**50000**  
sq.ft  
Mfg Unit



## SPECTRUM INDUSTRIES

C14, 15 & 16, Yeyyadi Industrial Estate  
Mangalore – 575 008 Karnataka, India  
Tel: +91 824 2221018 Telefax: +91 824 2214395  
Email: sales@spectrumindustries.org  
Website: www.spectrumindustries.org  
143 H, Industrial Area, Baikampady, Mangalore – 575 011  
Karnataka, India **Tel:** +91 824 2409621 **Mobile:** +91 98440 43990

WhatsApp No  +91 98440 43990

### DISCLAIMER:

The contents of this brochure are for illustrative purposes only and do not constitute a legal undertaking and do not constitute a legally binding offer or claim. You may use the information provided on this brochure at your own risk.



**FM 70723**

Authorised Dealer