



Corporate Profile



SPECTRUM INDUSTRIES

Success through innovation

CLEANING, GRADING & SORTING MACHINES FOR FOOD PROCESSING INDUSTRY

27 Years Of Excellence



Introduction

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 have a dedicated in-house research and development department that spearheads the innovation and improvement in machine design, build quality, and performance. Our emphasis has always been on total customer satisfaction with continuous technological advancement. Today we are the leading manufacturers of Monochromatic as well as Trichromatic CCD Camera based Color Sorting Machines as well as Cleaning and Size Grading Machinery for various industries.

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.

“**Adding Value To Food, To Add Value To Life**”



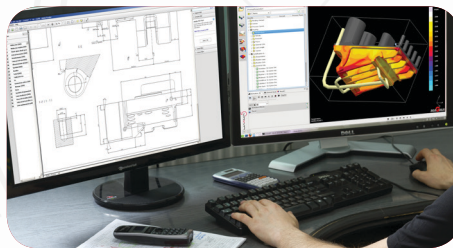
QUALITY COMMITMENT

Spectrum Industries, believes in delivering Quality starting at the source to ensure all products and services meet or exceed our customer requirements without losing focus on affordability and sustaining a competitive edge.

All of our staff, from procurement of supplies to finished product inspections including our shipping department must always follow existing procedures and policies and assure we do it right every time. We have a team that strives to wisely improve our products and processes for the greater demand of tomorrow.

We recognize the value of robust quality systems, and have adopted the ISO 9001 standard as the template for our design process and manufacturing systems. It has been our daily practice staying the course in being fully compliant with that standard, and our staff has the experience of nearly a quarter of a century which is reflected in the quality of each product we deliver.

With the rigorous testing and meticulous attention of pre shipment inspection we deliver performance. Our business philosophy is based on continuous innovation and constant improvement with great emphasis on QUALITY.

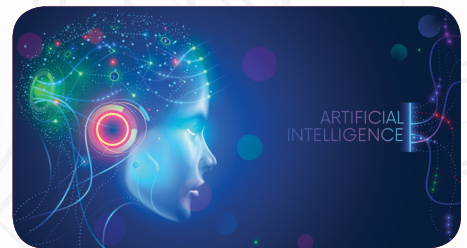


CUSTOMISED DESIGN

We provide solutions based on advanced technology to meet our customer's overall needs and specific challenges with unmatched cleaning and sorting capabilities.

Our team of engineers can work with you closely to identify your processing ideas or problem and come up with a design of a specific machine or an entire plant. We can take an idea of cleaning or sorting process in any application from a design stage to a functional solution that meets or exceeds expectations. An intelligent approach to increasing your productivity and efficiency is applied at every stage, and nothing is more gratifying to us than seeing our customer's challenge solved and made a thing of the past.

Before our customers commit to anything, we make sure all things are considered and scrutinized in the design stage to accommodate their requirements. Our design team will draw a complete flow chart of your product with a layout drawing of the machinery in relation to your new or existing facility, thus eliminating any guesswork.



TECHNOLOGY

Spectrum Industries was founded with the mission of continually improving the productivity of all its customers by integrating the newest and emerging systems with proven components in each and every product. Our Color Sorters are equipped with advanced 5400 pixel x 3 Tri Linear CCD Cameras that produce a very high resolution image of the product to detect the smallest defect. It is the most accurate and efficient sorter in the market today.

The computer controlled S-4001 is automatically calibrated with self check procedures. The pentachromatic LED solid state lighting provides high intensity stable lighting. Ejectors with life to last 5 billion cycles.

Building on the deep technical knowledge of our engineers, we provide exceptional value to our customers especially when considering how advanced the technology is. We deliver excellent equipment with professional integrity. Our products are intelligently designed and manufactured in a state of the art facility to give you superior results.



The Management

Spectrum Industries is managed by technocrats with over 2 decades of experience in Mechanical Engineering & Manufacturing of Machines. The management has a long history of pioneering color sorters to bringing on the latest in artificial intelligence and machine learning-based cashew graders branded as HawkEye.

Being technocrats has enabled the management to look at technical issues and management issues in such a way that the lack of knowledge in either of the disciplines does not get in the way of managing techno-commercial issues that may arise from time to time in managing such a large portfolio of products through their lifetimes in operation at client location.



Awards & Achievements

Spectrum Industries is a very well known company in the food processing industry and is known for its excellence in effectively using people, products, process & technology in the service of their global customers.

This has been very well recognized by the Government and credible Industry bodies like the FKCCI, KCCI and the Department of Industries & Commerce, who have lauded the products & capabilities of the company with awards and recognitions as shown below.



**District level
KCCI Business Award 2006**

SPECTRUM INDUSTRIES has received the Kanara Chamber of Commerce & Industry Business Award in the year 2006.



**State Level Manufacturing
Excellence Award 2017**

It has received the Sir M. Visveswaraya Manufacturing Excellence State Award under the Machinery Manufacturing Sector in SME Category from the Department of Industries & Commerce, Govt. of Karnataka in the year 2017.



**State Level Business Excellence
Award 2018**

SPECTRUM INDUSTRIES has also received the Federation of Karnataka Chamber of Commerce & Industry (FKCCI) Business Excellence State Award for the year 2018.

Our Product Range



Color Sorter
S-4001- Maxima
Trichromatic CCD RGB Sorter



Belt Type Color Sorter
SBS-4001- Maxima & SB-4001 Prisma
Trichromatic CCD RGB Sorter



Color Sorter
S-4001- Prisma
Monochromatic Sorter



De-Stoner - Vaccum Type



De-Stoner - Pressure Type



Vibro Cleaner



Gravity Separator

CLEANING, GRADING & SORTING MACHINES FOR FOOD PROCESSING INDUSTRY



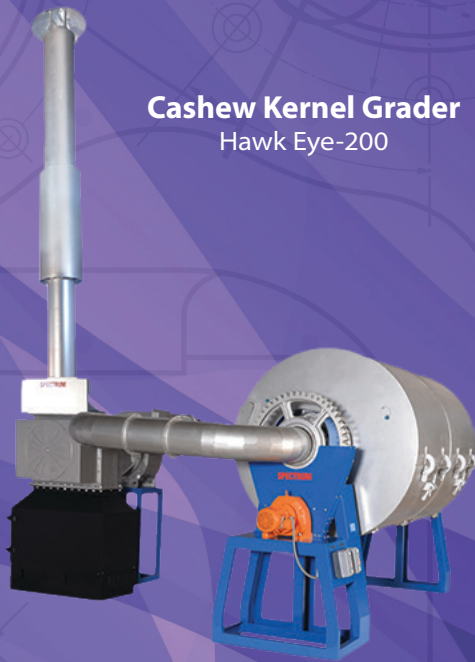
Cashew Kernel Grader
Hawk Eye-200



Cashew Kernel Grader
Hawk Eye 100



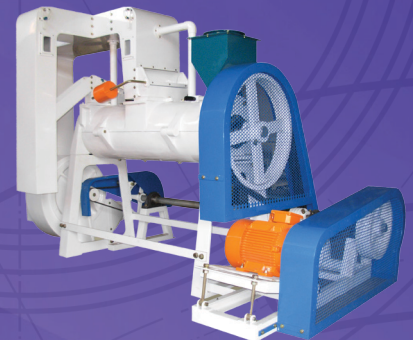
Vibro Grader



Rotary Dryer



Coffee Huller



Coffee Peeler Polisher



COMPETITIVE ADVANTAGE

- ❖ Custom designed equipment
- ❖ Tailor made to your needs
- ❖ Innovative technology
- ❖ Experts to monitor production
- ❖ Prompt delivery schedules
- ❖ Personalized after sale services
- ❖ Highly competitive prices



EXPORT MARKETS

- ❖ Burma, Bangladesh
- ❖ Egypt, Ethiopia
- ❖ Kenya, Malawi
- ❖ Nigeria, Russia
- ❖ Spain, Tanzania, Uganda
- ❖ Ukraine, Cyprus, Indonesia



TURNKEY PROJECTS

- ❖ Coffee Processing Plants
- ❖ Pulse Processing Plants
- ❖ Groundnut Processing Plants
- ❖ Wheat Cleaning, Grading Plants
- ❖ Wheat Colour Sorting Plants
- ❖ Complete Plants
- ❖ Processes various Food grains
- ❖ Papua New Guinea, Sudan

The Fabrication Unit

Spectrum Industries has four manufacturing units in Baikampady and Yeyyadi spread over 3.5 Acres of prime Industrial land with over 60,000/- sq. ft. of Built up area with Modern amenities.

Advanced CNC Machines such as

- ❖ CNC Water Jet Cutting,
- ❖ German Messer CNC Plasma Cutting,
- ❖ 200 Ton Hydraulic CNC Press Brake etc.

are available **in-house** for rapid and very accurate manufacturing.

- ❖ Excellent workmanship due to use of advanced CNC machines for manufacturing.
- ❖ Use of the best of the standard materials for manufacture compared to any of our competitors domestically or internationally.

27 Yrs
of Excellence

1600
Machines Sold

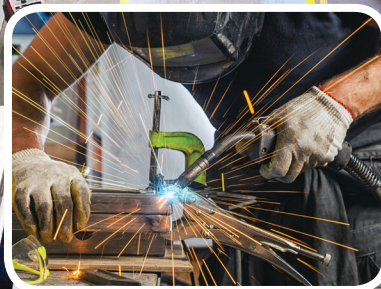
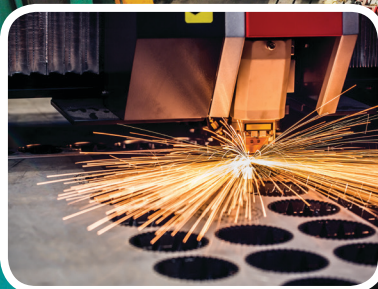
45
Applications
& More

25
Countries

ISO
9001:2015
Certified

150
Employees

60000
sq.ft
Mfg Unit



The Assembly Unit

Our machine assembly unit is very spacious and can accommodate many machines simultaneously for assembly.

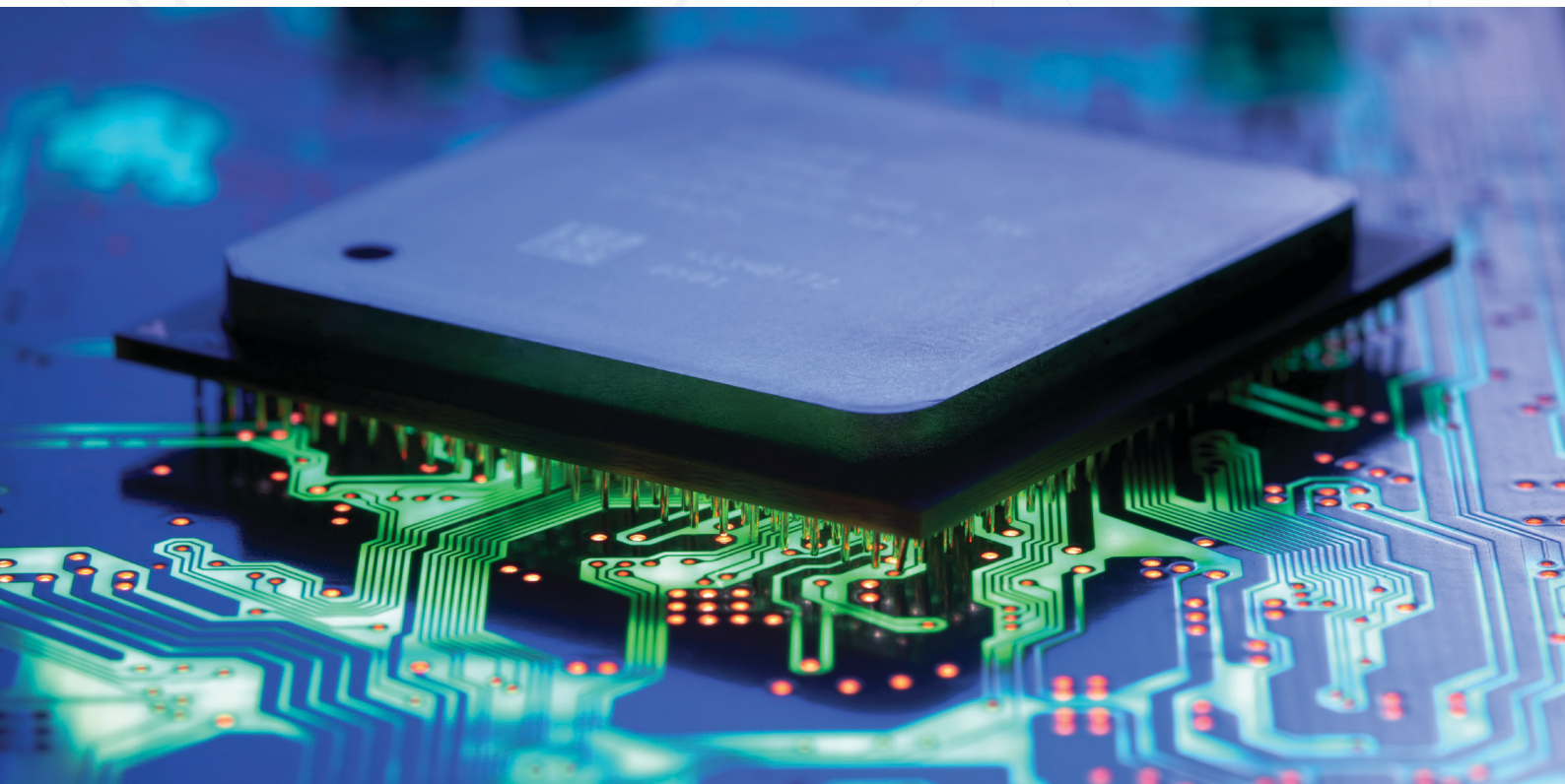


Quality Certification

Spectrum Industries is an ISO 9001:2015 company and has been certified for the design, manufacture and supply of electronic colour sorters by the British Standards Institute since the year 2001.



FOR COLOR SORTERS MANUFACTURING



The R & D Centre



The constraint of access to Technology for its growth was solved by having an In-house R & D set up having the best brains working rigorously to develop new products and to further improve its existing products.

The issue of non-availability of Skilled Manpower in tier-2 cities, where Spectrum Industries is based, was addressed by providing orientation and on the job training to new employees and also identifying the training needs and providing training to existing employees through External and Internal Faculty.

The company also tries to recruit qualified and experienced personnel whenever possible and as needed. And this twin approach has helped to company overcome this major challenge.



Patents

- ❖ Patents filed for Two Stage Reversible Air Circulation Dryers for drying of Coffee and other Agricultural produce.
- ❖ Patents filed for identification and sorting of up to five types of Polymers using Short Wave Infrared Spectroscopy.
- ❖ Patents filed for Fruit sorting for Ripeness and Sweetness using SWNIR technology.



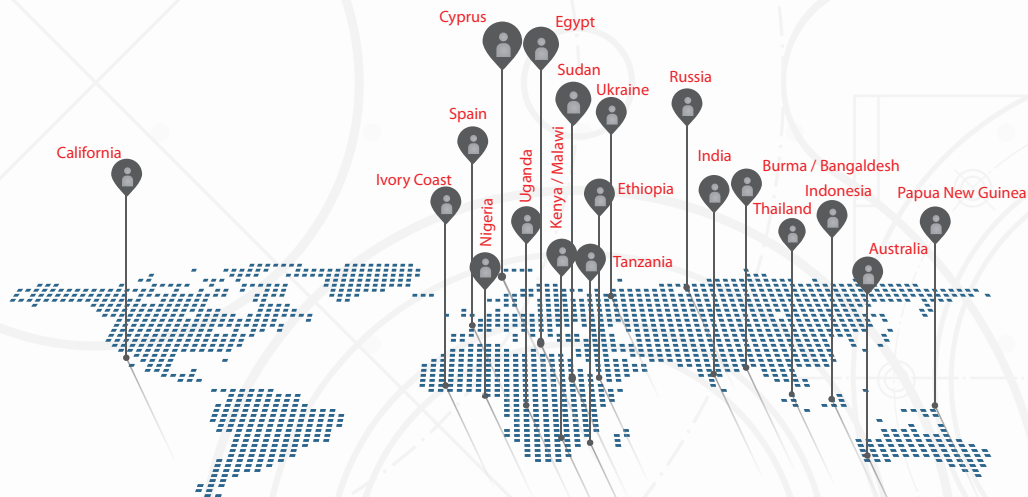
Many First's To Our Credit



- ❖ Pioneers in Optical Sorting in India in 1993.
- ❖ Introduced Patented Two stage reversible air dryers for Coffee.
- ❖ Use of Backward curve turbines in Gravity separators.
- ❖ Use of Forward curve turbines in Centrifugal Blowers.
- ❖ Dynamic balancing of all turbines.
- ❖ Double row spherical roller bearings in Cross heater Hullers, Huller Polishers etc. wherever heavy loads are applied.
- ❖ Steel EN9 machined shafts are used in Hullers & Polishers versus MS Polished shafts used by others
- ❖ First to use ABD mounts from Sweden in Vibratory Cleaners & Graders to minimise vibrations of the main frame for smooth and silent operation.
- ❖ Counter balanced decks in Double deck Graders for smooth operation to minimise vibration.
- ❖ Use of 2 K paints with Epoxy Zinc Phosphate primers and phosphating to prevent rust formation and enhance product life.
- ❖ Use of Electroplated fasteners bolts, nuts on all exposed parts.
- ❖ Powder coating of internal components such as gates, louvers etc. in Gravity separators for smooth operation and longevity.
- ❖ Internal wiring provided with P clips and terminals in Cleaners, Destoners, Gravity Separators and other major machines.
- ❖ Siemens make motors with Bonfiglioli Gear Boxes as standard offering.
- ❖ Use of heavy gauge material with higher factor of safety which is usually twice that of the nearest competitors.
- ❖ Very few breakdowns due to superior design and better manufacturing techniques and practices providing almost nil down time.
- ❖ Best after sales service in the Industry which is recognized by all clients in India across the globe.



Global Customer Base



Some Of Our Customers

Allana
...since 1865

BOLDEARTH
AGRIFOODS
COFFEE & SPICES

CMS
ESTD. 1995

cofi-com
TRADING PTY LTD

ECOM

GOSP
Greenvalley Organic Spices

Jabsons
Rich in Traditions

Jai Balaji
Agro Foods

Kadamba
Kadamba Marketing Services Subunit Ltd
SIRSI

Kyagalanyi Coffee
Part of the Volcafe group

LONGONOT FARM
PROPAGATION NURSERY

Makapueo Farms
UNDER THE SHINE OF KONA COFFEE

MAMBO COFFEE AFRICA
Good coffee. Good people

MILABET
Private Limited Company

Moolakara
WAYANAD SPICES

Narasu's
Since 1926

NCCIL

Olam

RKR
AGRO FOODS
"In Quality, We Trust"

Reliable
Cashew

SATARA MEGA
FOOD PARK
PROCESSING PROSPERITY

TATA COFFEE

TecAIRE

thai high
COFFEE

TOUTON

VINEC
UNDERpromise, OVERperform

WR Carpenter (PNG)
Group of Companies

Nutty world

The Testimonials

We installed Spectrum Industries (Mangalore). Gravity separator model No.G-S 320. Erection and trial test done in our factory in Yangon, Myanmar. Spectrum G-S 320 We are using for the product of black Matpe. Output is 2 ton/hour. We are satisfied with production and performance of the machine.

Ram Kishan

Managing Director, Myanmar Ananda Company Limited, Yangon, Myanmar

WOW! We have only peeked into the crates but so far are extremely satisfied with the workmanship and quality of the products you have delivered.

Kaipo Sheen

MD, Makapueo Farms, Hawaii

I am customer of your colour-sorting machine (S-4001). I am using your sorting machine in cleaning & sorting of GRAM DALL. I proudly state that your machine's performance & output quality is excellent & beyond the expectation. I am pretty satisfied with your machine on the parameters of:

- ❖ Output Quality,
- ❖ Output Quantity,
- ❖ Impurities Ratio with Final Output,
- ❖ Continuous Performance
- ❖ More important, your after-sale-service is fastest & customer friendly. My opinion is that your sorting machines are best in the market of this field and prices are most economical in comparison with others manufacturers. I personally recommend your machine for PULSES, RICE etc.

So, I am really thankful to you for giving me such a excellent machine for sorting gram dall.

Sahil Garg

MD, Garg Dal & Besan Mills, New Delhi

I would like to take this opportunity to thank you on the design, installation and commissioning of our Almond Packing Facility. The facility is running very smooth and efficiently, and we are very happy with it. We are very impressed with what it is capable of achieving. It is very rewarding to see the entire operation complete, especially since this system had not been applied for almonds before. Together we faced a few unforeseen challenges along the way, but were able to overcome them by working together and finding solutions. We would also want to acknowledge your staff – Sudheer and Vincent, for their exceptional assistance and efforts. As well as the time effort and support from Claude. I found you to be a genuine business man and someone I would like to call my friend. I look forward to working with you in the future.

Jim Belehris

Owner, Belehris Estates, Australia

We are Thai High Coffee, a coffee processor, located in North Thailand. We purchase coffee cherries and process to specialty grade green bean coffee. When we built the mill, we looked for equipment from many manufactures, including Spectrum, Pinhalense, Estrada, Oliver Manufacturing and Argo Machine. This is when Spectrum Industries started to make a positive impression upon our decision making. The owner of the company, Jeevan, took many hours talking about our needs and suggesting options for achieving the best results. We always received prompt return phone calls or e-mails and were given competent and friendly service.

Ray

Thai High Coffee

WR Carpenter Estates, PNG has installed Spectrum colour sorters in both its dry mills for colour sorting of coffee green bean. One unit was installed in the year 2006 followed by the second unit in the year 2008. The units are performing to our expectation and have worked in a reliable and consistent manner.

John Sathya C,

Senior Manager, W. R Carpenter Co. and Estates LTD, Papua New Gunea

We are very glad and happy with the performance of the Spectrum – S-4001 color-sorting machine, working in Fried Gram Split & Gundal. Your service person Mr. Harish. G gave us full cooperation. Quality of Fried Gram Split & Gundal has got best sorting. We are very happy with this sorting, As you satisfied us machine, in future we are expecting good service as the same.

S. Venkatesh

Owner, Jai Balaji Agro Foods

We would like to confirm that SPECTRUM INDUSTRIES from Mangalore India has installed a colour sorting machine for rice at COMACO Ltd Chipata Zambia. We are please that the machine is working well and this will improve our production capacity very much.

Shonga Joshua,

Regional Manager, Comaco Ltd, Chipata, Zambia



Administrative Office

C14, C15 & C16,
Yeyyadi Industrial Estate,
Mangalore – 575008.
Karnataka, India.

Unit-II

Plot No. 143 H,
Baikampady Industrial Area,
Mangalore – 575011.
Karnataka, India.

Phone: +91 824 222 1018

Email: sales@spectrumindustries.org

www.spectrumindustries.co.in