

GRAIN TECH LTD

PROCESSING, HANDLING & STORAGE SYSTEMS



COLOUR SORTER CATALOGUE



CONTENTS



CF+ Series

Multi-purpose

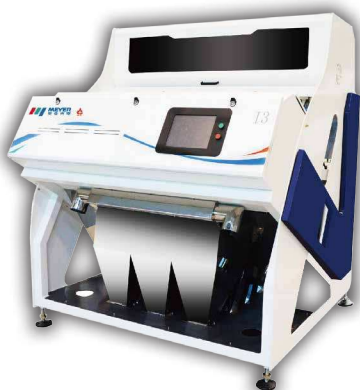
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CG Series

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RS-C Series

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Millet
Sesame
Wheat

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CF+ Series

- 2048CCD sensor - 20 million pixels
- LED lighting system
- 15" intelligent control screen
- Advanced shape recognition algorithm
- High capacity processing chip - greater than 10,000 times / sec
- InGaAs infrared system - effective removal of glass, stones and transparent plastics



Applications



CG Series



- 5400CCD sensor - 160 million pixels
- Advanced dust absorption system
- High efficiency feed system
- 15" intelligent control screen
- Advanced shape recognition algorithm
- High capacity processing chip - greater than 30,000 times / sec
- InGaAs infrared system - effective removal of glass, stones and transparent plastics

Applications



Corn



Beans

Mung Beans

Oats

Adlay



Soybeans



Peanuts



Snacks



Medicinal



Seeds



Seeds/Kernels



Shelled nuts



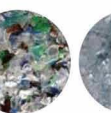
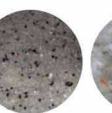
Nuts



Fresh / dehydrated fruits and vegetables



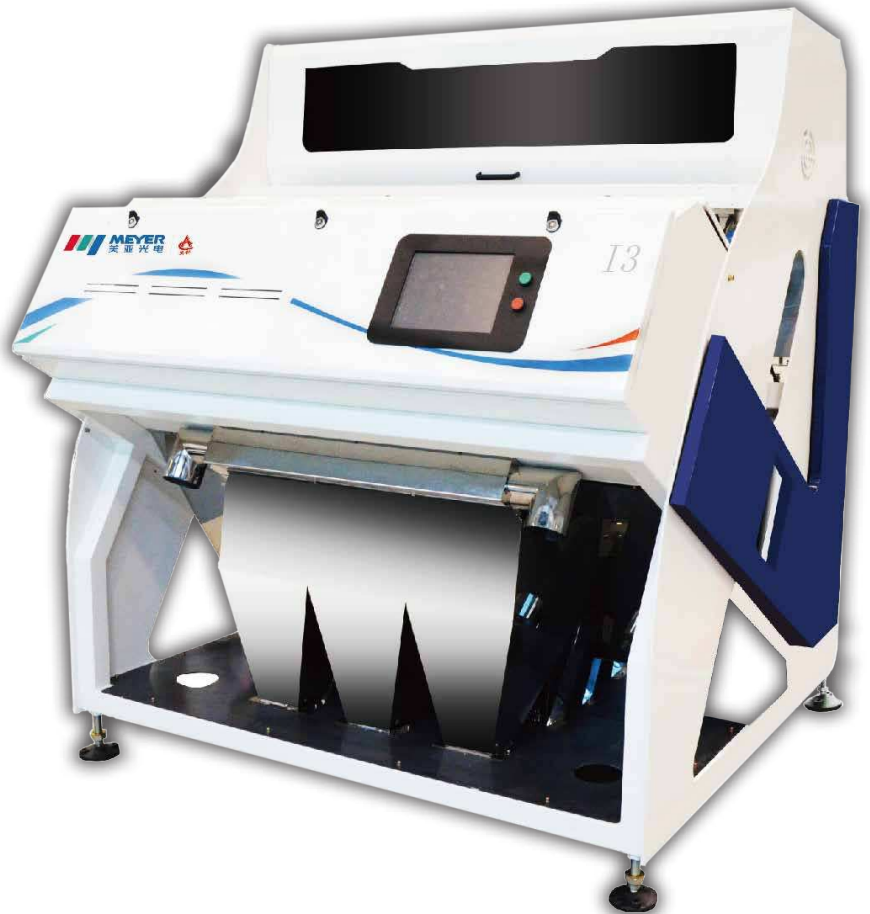
Spices



Plastics

I Series

- Specialised sorting for nuts and seeds
- 5400CCD sensor - 160 million pixels
- LED lighting system
- 15" intelligent control screen
- Advanced shape recognition algorithm
- High capacity processing chip - greater than 30,000 times / sec
- InGaAs infrared system - effective removal of glass, stones and transparent plastics



Applications



R Series



- Specialised sorting for rice
- 5400CCD sensor - 160 million pixels
- Higher sensitivity to light yellow colour in rice - loss of good product < 2%
- 15" intelligent control screen
- Advanced shape recognition algorithm for rice
- High capacity processing chip - greater than 30,000 times / sec
- InGaAs infrared system - effective removal of glass, stones and transparent plastics

Applications



Short grain rice



Long grain rice



Glutinous rice



Parboiled rice



Black rice



Red rice



Basmati



Brown Rice

RD Series

- 2048CCD sensor - 20 million pixels
- LED lighting system
- 12" intelligent control screen
- Advanced shape recognition algorithm
- High capacity processing chip - greater than 10,000 times / sec
- InGaAs infrared system - effective removal of glass, stones and transparent plastics



Applications



Short grain rice



Long grain rice



Glutinous rice



Parboiled rice



Black rice



Red rice



Basmati



Brown Rice



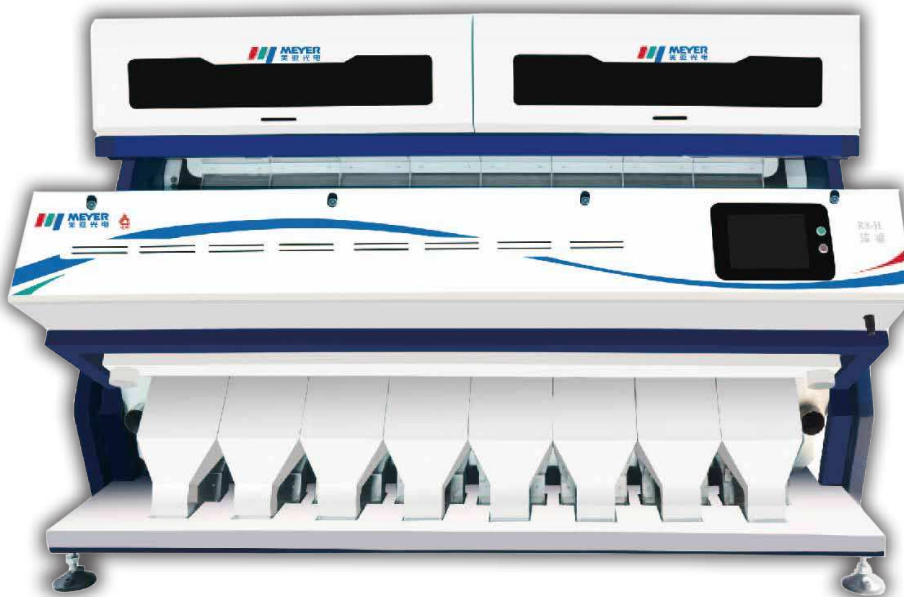
Millet



Sesame seeds



R-H Series



- Specialised sorting for rice
- 5400CCD sensor - 160 million pixels
- Higher sensitivity to light yellow colour in rice - loss of good product < 2%
- 15" intelligent control screen
- Advanced shape recognition algorithm for rice
- High capacity processing chip - greater than 30,000 times / sec
- InGaAs infrared system - effective removal of glass, stones and transparent plastics

Applications



Short grain rice



Long grain rice



Glutinous rice



Parboiled rice



Black rice



Red rice



Basmati



Brown Rice

RD-C Series

- Specialised sorting for wheat
- 5400CCD sensor - 160 million pixels
- LED lighting system
- 15" intelligent control screen
- Advanced shape recognition algorithm
- High capacity processing chip - greater than 30,000 times / sec
- InGaAs infrared system - effective removal of glass, stones and transparent plastics



Applications



Wheat



Gibberellic wheat



Mildew



Different seeds



Weed seeds



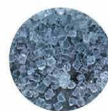
Mouse droppings



Metal



Stone



Glass



Soil



Cinder

Specialised removal of

RS-C Series



- 5400CCD sensor - 160 million pixels
- LED lighting system
- 15" intelligent control screen
- Advanced shape recognition algorithm
- High capacity processing chip - greater than 30,000 times / sec
- InGaAs infrared system - effective removal of glass, stones and transparent plastics

Applications





GRAIN TECH LTD

PROCESSING, HANDLING & STORAGE SYSTEMS

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AN ENGINEERING OFFICE THAT PUTS IDEAS INTO ACTION

We build systems for raw material

- In all sections of the food industry
- In the chemical industry
- In the agricultural commodity industry
- In the waste treatment / disposal industry

We have the perfect storage method

- With outdoor and indoor silos
- Homogenising silos
- With Grain Tech's fluidised bed discharge systems
- Standard or tailored design for all additive ingredients and liquids

We convey products gently

- Through all types of pneumatic systems
- Through Grain Tech's pressure vessels
- Through vibratory conveying systems
- Through air slides and metering screws
- Through bucket elevators, various types of belt and drag link conveyors
- Through aero-mechanical conveyors

We sift raw materials to the highest specifications

- With orbital and gyratory sifters
- With screeners and rotary classifiers
- With vibratory and pneumatic in line sifters
- For classification control and final security sifting

We pulverise and mill raw materials to attain exact particle sizings

- By pre-breaking, hammer milling and crushing
- By roller milling, granulating and cutting

Our mixing achieves better quality

- Mechanically and pneumatically
- With or without liquid additions
- In batch or continuous systems

We can weigh and meter within extremely tight tolerances

- With Grain Tech's weigh mix systems
- Incorporating totally integrated weighing and processing control systems
- Using screw and vibratory metering feeders
- We change the characteristics and shape of commodities and materials

We effectively classify raw materials and finished product

- With gravity and air separators
- With mechanical graders and screeners

We have drying and cooling systems to meet most product types

- By fluid bed and vibratory conveying units
- By pneumatic circuits
- By column, tower and conveyor systems

We change the characteristics and shape of commodities and materials

- With pelletising and agglomeration processes
- By extrusion processors

We manufacture and supply the following machines

- Rotary valves, blower units, diverter valves, multi-way valves, cyclones and transit separators
- Pipe systems, filter collectors
- Shut off valves, slide gate valves
- Hammer mills, crushers, pulverisers, roller mills, flaking mills
- Extruders, pelletisers, agglomerators
- Silos, bins and hoppers, discharging devices
- Mixers, blenders, sifters
- Control systems and measuring / metering equipment
- Bagging, packing and handling equipment

Special processing systems or machines

- Extrusion processing lines
- Complete cereal processing lines
- Complete animal feeds manufacturing

Our engineering office plans and develops. We can design & solve your problems