

GRAIN TECH LTD

PROCESSING, HANDLING & STORAGE SYSTEMS



COLOUR SORTER CATALOGUE



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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

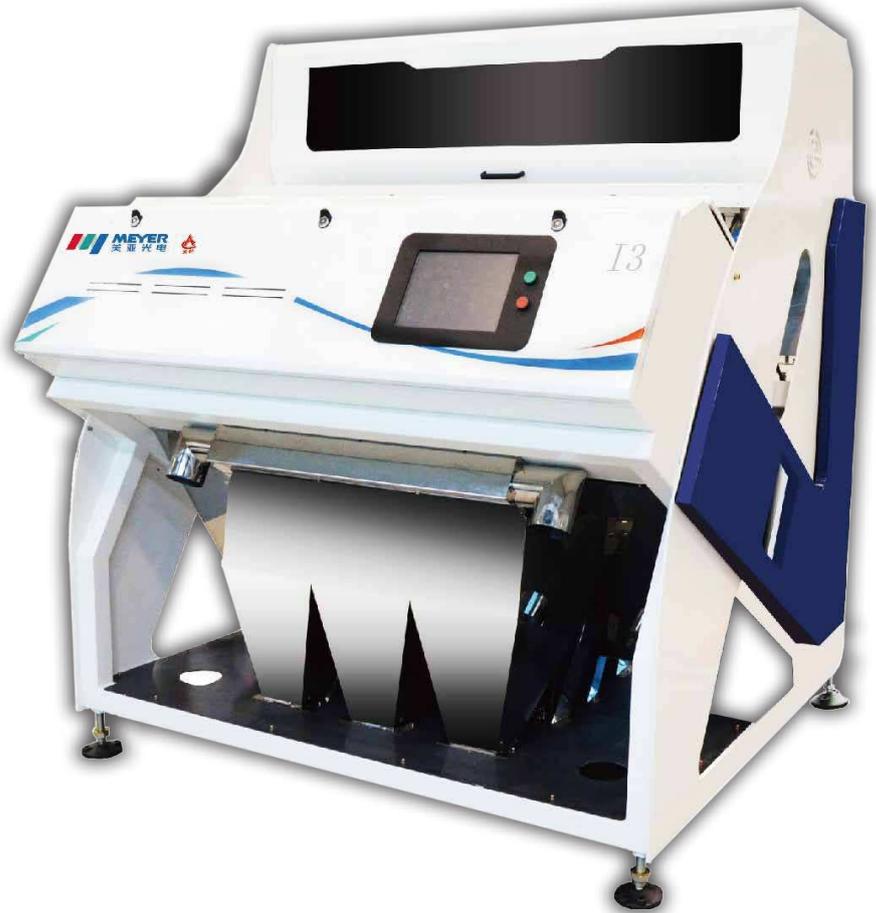


Applications



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



Black 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