



GRAINTECH SOLUTIONS
DAISHIN TECHNOLOGIES PVT. LTD.

WE UNDERSTAND YOU BEST

www.graintechsolution.com
www.daishintechnologies.com

Who we are & What we do?

Established in this year 2007, Graintech Solutions is an organization engaged in supplying of a wide range of industrial Boiler, Boiler components, Pollution control device, Color sorter and Milling plant. The entire range is procured from reliable and trusted manufacturers, who leave no stone unturned to ensure that the products offered are manufactured in compliance with the set industry standards. Our range finds extensive applications in general rice mill and boiler industries.

Daishin Technologies Pvt. Ltd. is the inspired company from GrainTech Solution established in 2022 by our respected Mr. Ilaya Raj (Managing Director) Graintech Solutions serving the Seed Mill Machinery for Grain Industry of India.

Our well established supplying channel enables us in catering our ordered consignment with in the stipulated time frame in various parts of the West Bengal, Assam, Chattisgarh, Jharkand, Bihar, Orissa and Maharashtra. Moreover, we continually review our supplying process and maintain streamlined procurement process to enhance our performance. We also work in sync with our clients and help them conduct third party inspection on our products. We are guided by our proprietor Mr. M. ILAYA RAJA, who holds a rich experience in this field. His extensive knowledge and business acumen have helped us achieve unmatched position in this global domain.

Assured Quality & Infrastructure

Being a quality conscious entity, we are committed to serve our clients with world class products and services. In order to ascertain optimum performance, we follow a stringent quality mechanism during the entire manufacturing process. Moreover, we have with us an expert team of quality auditors who keep a vigil eye on each and every production process. Our entire manufacturing process is executed in compliance with industry recommended norms and standards.

We have competitive and enthusiastic environment in the Company that assists us to grow at faster pace. We are growing impeccably to meet your specific needs. We keep our Company updated with all the latest equipment and technical developments.



About Us

Service We Provide at:

GRAINTECH SOLUTIONS

■ Pollution control device:

- > MDC (Mechanical Dust Collector)
- > Scrubber
- > Wet Bottom
- > Cyclone
- > Bag Filter

■ Boiler Components:

- > Ferules
- > Nozzles
- > Air Pre Heater
- > Water Pre-Heater
- > Boiler Fans
- > Vibratory Feeders

■ Boiler Sales After Service Dealership

■ Rice Milling Machine (Perfect Equipments) Authorised Dealer

■ Grain Color Sorter-Assembly & Trading

■ Airlocks-Trading

DAISHIN TECHNOLOGIES

PVT. LTD.

■ Dryer Heat Exchanger & Heat Exchanger Pipes

■ Gravity Separator

■ Seed Grader

■ Z Elevator (Soft Food Handling)

■ C Elevator (Soft Food Handling)

■ Incline Conveyor

■ Chain Conveyor

■ Grain De-Stoner

Authorised Channel Partner for:



ISO 9001:2015 Certified Company



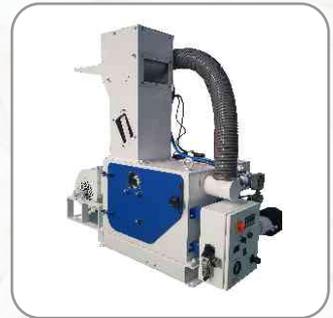
**Paddy Pre Cleaner
Single & Double Deck**



**Cleaner cum
De-stoner**



**Blower Type Silky
Polisher**



Rubber Sheller



**Husk Aspirator with
In-built Blower**



**Paddy Separator
Double Body**



Giga Rice Whitener



Vibro De-Stoner



Mini Silky Polisher



Shifter



Rice Length Grader



Thickness Grader

Manufacturers of:
COMPLETE RANGE OF MODERN RICE MILL PLANT

IR Mini Series

Special Features

- 16200 pixels RGB Ultra HD Camera
- Full spectrum LED lighting resource
- Auto gravity self-centralized system
- High speed durable ejector
- Ultra simple operation system
- 3 times sorting available
- Split type structure
- 6th Generation FPGA Processing



Rice



Brown Rice



Pulses



Peanuts



Tea

IR Mini Plus Series

Special Features

- 16200 pixels Multichromatic Ultra HD Camera
- Full spectrum LED lighting resource
- Target sniping system
- High speed various frequency ejector
- Ultra simple Modularized operation system
- 4 times sorting available
- Integrated craft structure
- 6th Generation ARM+FPGA Processing



PRODUCT PARAMETERS OF IR MINI SERIES

MODEL	IR32	IR64	IR2	IR3
Executive Units	32	64	128	192
Power of Machine	0.75kw	1.2kw	1.6kw	2.0kw
Supply Voltage	220v/50Hz	220v/50Hz	220v/50Hz	220v/50Hz
Air Pressure	0.5-0.8Mpa	0.5-0.8Mpa	0.5-0.8Mpa	0.5-0.8Mpa
Dimension (mm)	970x450x1430	880x1580x1660	1260x1700x2030	1570x1700x2030
Weight (kg)	140kg	280kg	580kg	820kg

IR Series

Leading Sorting Expert
for
EVERY
Commodity



Kidney Beans



Chickpeas



Coffee Beans



White Peas



Toor Daal



Wheat



Raisin



Unhulled Rice



Lentils



Cashew

SPECIFICATION OF IR SERIES

- Ultra HD Camera System**
 The minimum identification are is up to 0.0004mm², ensure clearer material identification
- Solenoid Ejector**
 Integrated structure, unmanned production, up to 1200 times/s of accurate elimination, long service life and more convenient maintenance
- Shape sorting**
 Accurately identify long/short, long/round, large/small by extracting material from information
- Targeted Removal**
 Precise location of impurity center point for efficient elimination improves color sorting yield by 20% and shape sorting yield by 30%
- One-key Intelligent Learning**
 Intelligent photo self-learning and automatically figure out the optimal sorting parameters, safeguard the quality.
- Extra-simple Operation**
 Remote commissioning, remote control, intelligent backup, intelligent check.

PRODUCT PARAMETERS OF IR SERIES

Model	IR1	IR2	IR3	IR4	IR5	IR6	IR8	IR10
Power of Machine	1.2 kw	1.6 kw	2.0 kw	2.5 kw	3.0 kw	3.6 kw	5.0 kw	6.0 kw
Supply Voltage	220v/50Hz	220v/50Hz	220v/50Hz	220v/50Hz	220v/50Hz	220v/50Hz	220v/50Hz	220v/50Hz
Air Pressure	0.5-0.8 Mpa	0.5-0.8 Mpa	0.5-0.8 Mpa	0.5-0.8 Mpa	0.5-0.8 Mpa	0.5-0.8 Mpa	0.5-0.8 Mpa	0.5-0.8 Mpa
Dimension (mm)	780x1580x1500	1090x1580x1620	1600x1620x2090	2040x1620x2090	2390x1620x2090	2740x1620x2090	3390x1620x2090	3920x1620x2090
Weight	450 kg	620 kg	980 kg	1350 kg	1600 kg	2210 kg	2210 kg	2550 kg

Manufacturer of Seed Mill Machinery

Incline Conveyor

Our Incline conveyors can come equipped with horizontal sections, infeed, and/or outfeed to provide better product handling and controls. Incline conveyors are also ideal in hopper applications or feeding parts into bowl feeders.

Available with cleated plastic belts, modular plastic belts, or standard flat belts, in addition to add-ons like side rails, our incline belt conveyors are highly versatile material handling tools useful in a wide variety of industrial applications. If you don't see anything that meets your exact requirements, we can work with you to create a custom incline conveyor system suited specifically to your needs.



Z-Elevator

Z Elevators are well suited for gentle handling of a broad range of bulk products in food and agriculture industries etc. Materials like seed, grains, coffee, sweets, sugar, rice, beans, pet food, peanuts, and many more can be carefully conveyed from one point to another.

Features:

- Long rugged service life and gentle handling of the material.
- Heavy duty head shaft bearing
- HDPE Buckets (other types optional)
- Longer feeding length for better fitting of buckets & better stability.
- Anti-reverse device provided to eliminate backward movement of buckets in case of power failure
- Capacities calculated at water level cup for realistic capacities
- Horizontal bucket straightener provided at the feeding and discharge end to guide bucket in straight line.
- Torque limiter driving sprocket which prevents overloading of elevators hence results in long motor life
- All components are made of Galvanized Iron (GI) on CNC machines.

Gravity Separator

Our Gravity Separator includes a wide range of 7 fan gravity separator machine, automatic 7 fan gravity table, grains & pulses gravity separator, gravity separator 7 fan, grain gravity separator and 5 fan gravity separator machine.

Features:

- Capacity: 4TPH - 6 TPH (Based on wheat, at 12% moisture and 10% impurities).
- No. of fans – 07, mounted on single blower shaft with individual Air Flow Control System. All fans are dynamically balanced.
- Surge hopper over Gravity (Material G.I used)
- Electric Motor: 02 (10 HP for Blower fans and 02 HP for Gravity Deck).
- Toolkit and other standard features. • Bearing made : NTN/SKF/NRB/NBC
- Shaft: 51 mm, drawn shaft. All shafts are made of EN-8 & are mounted on pillow/flange type self aligned high quality ball bearings with built in casing.





C-Elevator

C Elevators are well suited for gentle handling of a broad range of bulk products in food and agriculture industries etc. Materials like seed, grains, coffee, sweets, sugar, rice, beans, pet food, peanuts, and many more can be carefully conveyed from one point to another.

Features:

- Long rugged service life and gentle handling of the material.
- Heavy duty head shaft bearing • HDPE Buckets(other types optional)
- Longer feeding length for better fitting of buckets & better stability.
- Anti-reverse device provided to eliminate backward movement of buckets in case of power failure
- Capacities calculated at water level cup for realistic capacities
- Horizontal bucket straightener provided at the feeding and discharge end to guide bucket in straight line.
- Torque limiter driving sprocket which prevents overloading of elevators hence results in long motor life
- All components are made of Galvanized Iron (GI) on CNC machines.



Rice Grader

Our Rice Graders are designed for milled rice classification, used for separating broken rice from the whole rice, according to the sizes of rice. The rice grader can classify the milled rice into several levels:

- Whole rice • Large broken rice • Medium broken rice • Small broken rice.
- So, this machine is widely used in modern rice mill plant for the rice grading system, helps to produce high quality rice or exported standard rice.

Features :

- This rice grader machine adopts multilayer sifting;
- It has large sifting area, long sifting route, the material in up-sieve and down-sieve both can be sifted repeatedly.

Our Rice Grader machine is specifically designed and best suited for Raw rice, Steam rice, Par-boiled rice, Boiled rice and Basmati rice.

Seed Grader

We offer an exclusive range of Grain Pre-Cleaner, made available in a varied range of models as per the capacity, power, and aspiration requirements.

Features:

- Corrosion resistance
- Easy to use
- Low maintenance
- Paddy cleaner is used for cleaning the free flowing granular material like Rice, Wheat, Barley, Maize etc.
- Paddy is fed into the hopper where material is evenly distributed by feed roller and drop through the controlled valve on the top sieve and after falling the material on top screen paddy is subjected to aspiration which drains off chaff, straw, deceased/ waist grains, dust or other foreign particles.
- In the Paddy Cleaner the under size is collected in bags through self cleaning spouts.



Service provided for

Pollution Control Device



Mechanical Dust Collector (MDC)



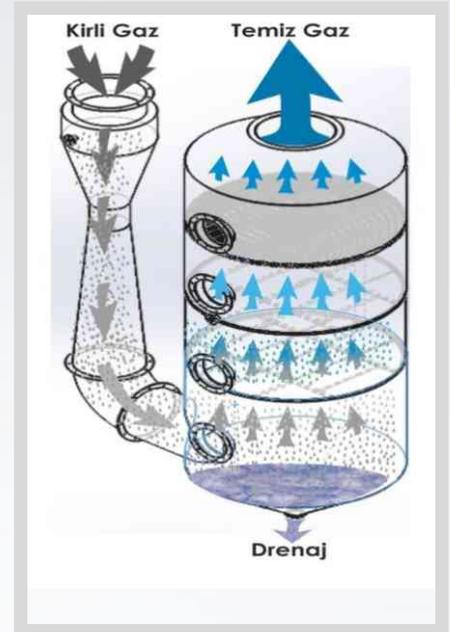
Single Cyclone



Double Cyclone

Pollution Control Device Service

- MDC (Mechanical Dust Collector) • Scrubber • Wet Bottom
- Cyclone • Bag Filter



Ventury Scrubber for Dust Collector



Bag Filter System

Service provided for

Boiler Automation & Components



Loco Boiler Auto Furnace



Loco Boiler Auto Furnace



Loco Boiler Automation



Luncashire Boiler Autofurnace



Multi Cyclone



Water Pre Heater

Boiler Automation: Old manual firing Boiler modified by Automatic firing

- We make 1 ton capacity to 6 ton capacity depends of Boiler Rating.
- Boiler Efficiency increase 50% to 75%, > Fuel saving 15% to 20%

Boiler Components: • Ferrules • Nozzels • Air Pre-Heater • Water Pre-Heater

- Boiler Fans • Vibratory Feeders



Ferrules

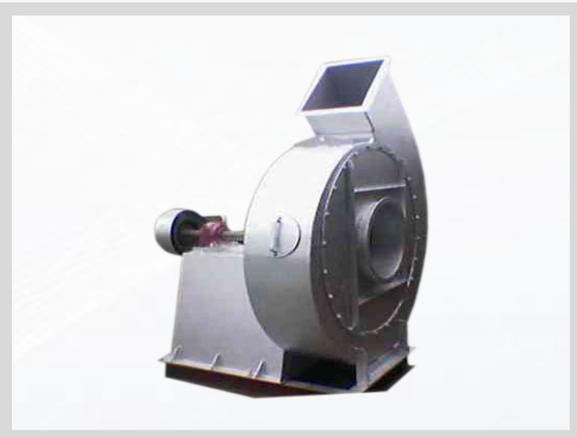


MS & SS
139mm

MS & SS
100mm

MS & SS 100mm
Thermax

Nozzels



Boiler Fans



Vibratory Feeders



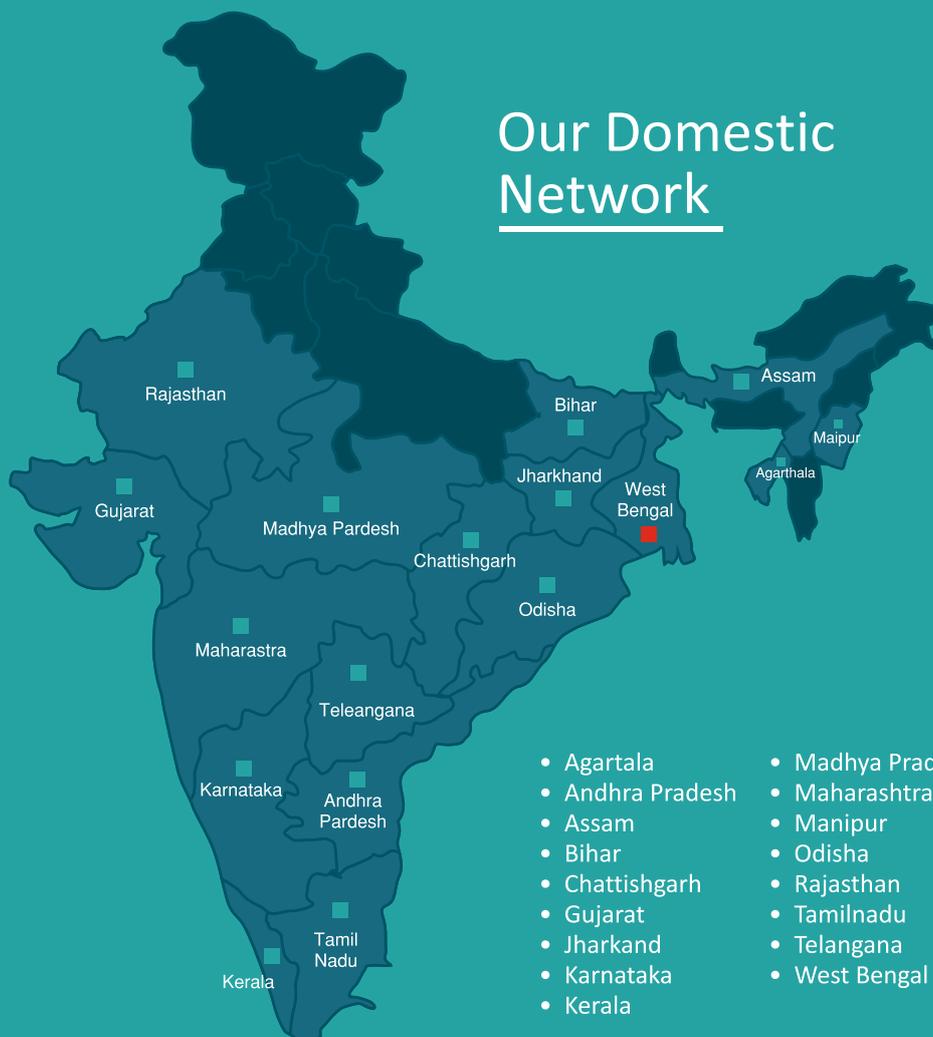
Heat Exchanger



Dryer Heat Exchanger Tubes



Our Domestic Network



GET IN TOUCH



GRAINTECH SOLUTIONS

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