AGI

GRAIN PROCESSING SOLUTIONS

Mission

AGI is passionately committed to delivering innovative solutions to customers. Through qualitative and ethical practices, their equipment saves process losses and maintains hygienic standards in food processing and complimentary industries.

Infrastructure

AGI design centers are equipped with high-end servers and workstations complete with the latest CAD/CAM software and tools.

Our state-of-the-art assembly shop, paint shop, and quality control division ensure only precision machineries leave our factory, meeting the exact requirements set from our clients.

The service division is operated by a team of over 100 highly experienced service engineers and professionals to support our extensive client base. They are supported by the marketing, administration and finance divisions that help to provide seamless integration from front and back of office processes.

Today, AGI leads the India market and continues to grow internationally with new, satisfied customers every day.

- 3,500 sq/m fabrication and manufacturing facility
- 3,500 sq/m assembly and paint facility
- Dedicated engineering department to achieve higher yeild and profitability.
- Full-fledged R&D department - improving the performance of the equipment thereby minimizing process losses and offering innovative solutions

Manufacturing Facility

AGI Milltec changed the Indian rice processing industry by producing top quality machinery locally, while following international quality standards. This resulted in the highest quality machine but at an affordable price. Following this quality and affordability model, AGI has made these rice milling solutions available to global customers.

Manufacturing Capabilities Include:

- Laser cutting
- CNC machine shop
- CNC press brake
- CNC turret punching
- Robotic MIG welding station
- Grit blasting

AGI Rice Milling Product Portfolio

AGI is the market leader in paddy processing and has commissioned more than 13,000 rice mills.

Storage Silos

Parboiling, Drying & Steam Generation

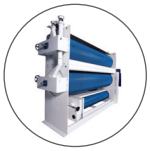



Rice Processing Solutions



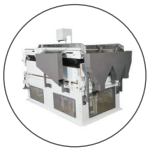
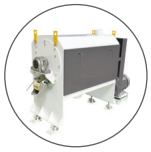




Pulses Processing Solutions



Color Sorting, Blending & Packing Solutions



Grain Silos

Pre-cleaning

Steam Generation

Parboiling

De-stoning

Cleaning

Hulling

De-husking

Whitening

Polishing

Grading

Sorting

Blending

Packing

AGI is the market leader offering complete end-to-end rice milling solutions for turnkey project implementation.

Storage Silos

Grain storage silos are the best alternative for traditional storage systems. Our silos avoid storage losses like rodents, moisture, and insects. We design our silos based on the project requirements and provide ease of assembly, hygienic handling and use quality materials.

AGI silos are made of high-quality steel and high-quality metal galvanized up to 600 GSM. We have highly qualified and experienced in-house engineers who provide the best service anywhere in the world. We have a dedicated project management team for every installation to ensure that installation is done according to technical specifications and on time.

Hopper Bottom Silos
50 Ton - 500 Ton

Flat Bottom Silos
500 Ton - 15,000 Ton

Packaged Boiler

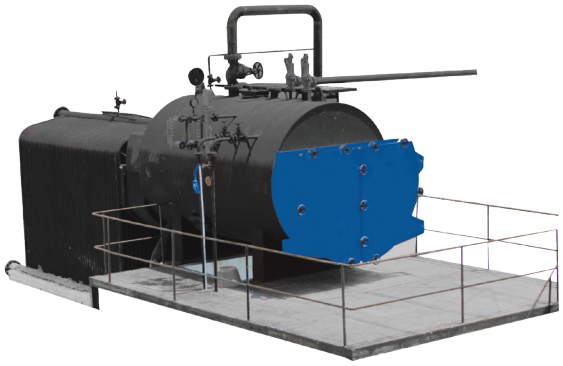
AGI offers fully automatic solid fuel fired steam boilers designed as per IBR (Indian Boiler Regulations) and has high thermal efficiency.

ADVANTAGES

- High thermal efficiency
- Pneumatic over feed, three pass, wet back
- Designed for ease of operation and hassle free maintenance
- Multi-fuel: fire wood / coal / biomas / saw dust / wood chips / agro waste

External Water Wall Boiler

AGI offers fluidized bed combustion (FBC) boilers with three pass water wall cum shell and tube.



ADVANTAGES

- Designed as per Indian Boiler Regulations (IBR)
- Three pass water wall cum shell and tube
- Capacity: 4TPH to 20TPH
- Pressure range: 10.54kg/sq.cm to 44kg/sq.cm
- Multi-fuel: fire wood / coal / biomas / saw dust / wood chips / agro waste
- Combustion system: manual / FBC / travel gate / vibrating gate
- Higher capacity and high pressure boilers are used in co-generation power plants

TECHNICAL SPECIFICATIONS

BOILER CAPACITY	2T	2.5T	3T	4T	4.5T	5T
MAX STEAM OUTPUT F&A 100°C RATING	2,000kg/hr	2,500kg/hr	3,000kg/hr	4,000kg/hr	4,500kg/hr	5,000kg/hr
TYPE	3-pass multi tubular	3-pass multi tubular	3-pass multi tubular	3-pass multi tubular	3-pass multi tubular	3-pass multi tubular
MAX OPERATING PRESSURE	10.54kg/cm^2	10.54kg/cm^2	10.54kg/cm^2	10.54kg/cm^2	10.54kg/cm^2	10.54kg/cm^2
FUEL CONSUMPTION (BASED ON 3,500KCAL/KG)	429 kgs/hr	508 kgs/hr	609 kgs/hr	812 kgs/hr	913 kgs/hr	1015 kgs/hr
TOTAL CONNECTED LOAD	12hp	15hp	15hp	26.0hp	31.5hp	31.2hp
THERMAL EFFICIENCY (HEAT RECOVERY UNIT - HRU)	76% +/-2%	76% +/-2%	76% +/-2%	76% +/-2%	76% +/-2%	76% +/-2%

Parboiling

Parboiling is the process of hydrothermal treatment on paddy which is done in three steps: soaking, steaming and drying.

Parboiling causes a gelatinization of starch during boiling, steaming and cooling, the amylase molecules re-associate with each other and forms tightly packed structure and mends the crack that developed in the endosperm. Parboiling increases grain translucency and hardness, decreases chalkiness, and is less sticky after cooking and reduces breakage.

Drying

The parboiled paddy needs to be dried to bring to the desired ideal moisture level of 14% before milling.

There are two types of paddy dryers available, LSU dryers with batch type drying and LSU dryers with continuous drying.

Application: Only paddy.

ADVANTAGES

- Ergonomic design and convenient feeding and discharging system
- Impeccable service, SS construction material Series 200
- Bolted construction ensures minimum fabrication works at site
- Inflexible and simple construction
- Fully integrated with automation control (SCADA system)
- Efficient heat exchanger with aluminium extruded fins, which ensure maximum heat transfer

TECHNICAL SPECIFICATIONS

CAPACITY	12T	18T	24T	32T	40T	50T	64T
STEAM PADDY 4HRS/BATCH (3 BATCH/DAY)	30TPD	45TPD	60TPD	80TPD	100TPD	125TPD	160TPD
PARBOILED PADDY 8HRS/BATCH (2 BATCH/DAY)	24TPD	36TPD	48TPD	64TPD	80TPD	100TPD	128TPD
SPACE REQUIRED	20 Ft x 30 Ft	20 Ft x 30 Ft	40 Ft x 30 Ft	40 Ft x 35 Ft	60 Ft x 35 Ft	70 Ft x 35 Ft	80 ft x 40 ft

Note: Unless otherwise specified capacity (ton/batch) should be considered for paddy only

Fluidized Bed Dryer

A continuous Fluidized Bed Dryer (FBD) system is used to reduce moisture from soaked paddy in a parboiling system.

In FBD the wet paddy is conveyed over a perforated bed at the drying chamber. The system blows hot, ambient air through the holes of a perforated bed. The air blown will be passed through the wet paddy, behaving like a fluid and continue to flow until completely removing the moisture. Hence the name FBD.

The air velocity is adjusted to ensure fluidization, the wet paddy is thus completely exposed to drying. This process results in a high rate of heat transfer.

Application: Only paddy.

ADVANTAGES

- Advanced design for high moisture reduction up to 5-6 % in single pass
- FBD guarantees fast, continuous and homogeneous drying
- Easily retrofitted to existing parboiling plants to increase productivity
- Provide homogeneous color for better cooking quality
- Helps in reducing frequency of cleaning cycles in LSU type dryers
- Construction is made up of SS material

TECHNICAL SPECIFICATIONS

MACHINE TYPE	PFDA	PFDB	PFDC	PFDD
CAPACITY PER (TON/HOUR)	6 to 8	10 to 12	14 to 16	18 to 20
PADDY INPUT MOISTURE	35%	35%	35%	35%
PADDY OUTPUT MOISTURE (AFTER ONE PASS)	30%			
AIR TEMPERATURE REQUIRED FOR DRYING	Ambient temperature			
AIR VOLUME	12000CFM	16500CFM	22000CFM	26000CFM
SPECIFICATION OF MATERIAL (AIR CHAMBER)	Stainless steel or mild steel			
SPECIFICATION OF MATERIAL (PADDY CONTACT AREA)	Stainless steel (2mm)			
SPECIFICATION OF MATERIAL (AIR BLOWER)	Mild steel			
POWER IN HP	20	30	40	50

Note: Unless otherwise specified capacity (ton/batch) should be considered for paddy only

Online Cooker

Online Cooker is a steaming process which ensures uniform steaming of each and every paddy grain.

Paddy will be given thermal treatment dependent on temperature and time.

The gelatinized paddy is then thermally treated for a prescribed time, based on the clients desired color.

This system produces quality rice for cooking, with less broken and minimal discoloration. The entire process is monitored and controlled by PLC.

Application: Only paddy.

ADVANTAGES

- Fully automated system monitored and controlled by PLC
- Suitable for all paddy varieties
- Best cooking and homogeneous color
- High productivity and consistent quality
- Easily retrofitted to existing parboiling plants
- Fully enclosed system to avoid steam loses
- Hygienic process for easy operation
- Stainless steel construction

TECHNICAL SPECIFICATIONS

MODEL	CAPACITY PER BATCH	DRIVE	MOTOR POWER	STEAM PRESSURE	STEAM VOLUME	CONTROL	SIZE (LxWxH)
POCA 1	12 T	Gear Box 20rpm	2 HP	1.5 to 2 Bar	2 to 2.5 TPH	PLC Control	2.4x2.6x12mtr
POCB 1	15 T	Gear Box 20rpm	2 HP	1.5 to 2 Bar	2 to 2.5 TPH	PLC Control	2.4x2.6x12mtr
POCC 1	20 T	Gear Box 20rpm	2 HP	1.5 to 2 Bar	2 to 2.5 TPH	PLC Control	2.4x2.6x12mtr

Note: Unless otherwise specified capacity (ton/batch) should be considered for paddy only

Raw Paddy Dryer

Paddy Dryers are used to reduce the moisture content in paddy grain for preventing spoilage during storage.

The harvested paddy will have a very high moisture level and may not be suitable for storing or milling directly. Hence the need to dry the paddy uniformly to the required moisture level of 14%. Various problems such as discoloration, loss of germination, mold development, insect infestation, odor development, loss of yield etc. can occur if not dried properly.

The Paddy Dryer system consists of a hot air furnace and a vertical dryer. Hot air is generated in the furnace suitable for multi-fuel and is blown across the paddy inside the dryer where the excess moisture is then removed. The paddy is circulated a few times until it reaches its required moisture level.

Application: Only paddy.

ADVANTAGES

- Simple construction and operation
- Stainless steel and mild steel construction
- Ergonomic design, convenient feeding and discharging system
- Vertical design, requires less space
- Optimal operational efficiency
- Highly durable and less maintenance required
- Paddy Dryer integrated with cyclonic husk furnace, reduces the drying costs compared to other conventional method

TECHNICAL SPECIFICATIONS

MODEL	CAPACITY (TON/BATCH)	ROTOR (HP)	BLOWER (HP)	OVERALL SIZE (LxWxH)
PRDD1	12	1.5	5	3.6 x 3.5 x 9.5 Mtr
PRDE1	16	1.5	5	3.6 x 3.5 x 10.3 Mtr
PRDF1	20	1.5	5	5.6 x 5.5 x 11.6 Mtr
PRDG1	24	2	12.5	5.6 x 5.5 x 12.5 Mtr
PRDH1	28	2	15	5.6 x 5.5 x 13.7 Mtr
PRDI1	32	2	15	5.6 x 5.5 x 17.8 Mtr
PRDJ1	40	2	20	6.2 x 6.8 x 17.8 Mtr
PRDK1	50	2	20	6.2 x 6.8 x 20.4 Mtr
PRDL1	64	2	30	6.6 x 7.5 x 23.5 Mtr

Note: Unless otherwise specified capacity (ton/batch) should be considered for paddy only

Universal Pulse Dryer

AGI Universal Pulse Dryer is designed to provide the best-in-the-class drying solution after thorough research of Indian milling conditions. This fit-and-run model has a compact design and requires less power, providing the most economical drying while also ensuring uniform and controlled drying for pulses (non-rice application).

ADVANTAGES

- Designed for drying fully round pulses
- Highly efficient and power saving design
- Hygienic and user friendly equipment for the food industry
- Suitable for handling all types of pulses

TECHNICAL SPECIFICATIONS

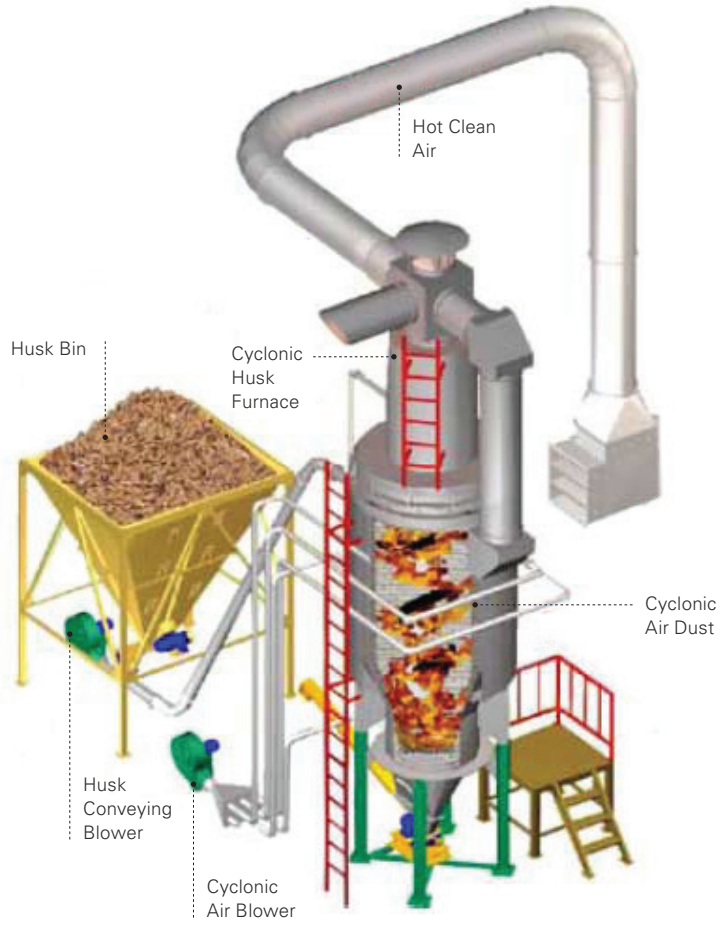
DESCRIPTION	GRDA-1/GRDD-1	GRDB-1 / GRDE-1	GRDC-1 / GRDF-1
MAX CAPACITY (TONNES PER BATCH)	10	12	15
DRYING RATE (% PER HOUR)	0.5 - 1 %	0.5 - 1 %	0.5 - 1 %
GRAIN FLOW DIRECTION	Vertical	Vertical	Vertical
BURNER	Gun type		
IGNITION	High pressure automatic ignition		
FIRING FUEL	Diesel	Diesel	Diesel
FUEL CONSUMPTION (LTR/HR.)	8-10	8 - 10	8 - 10
MOISTURE MEASUREMENT METHOD	Manual		
POWER REQUIREMENT	8.5 HP	8.5 HP	8.5 HP
SPACE REQUIRED (L X B X H) M	3.8 x 2.6 x 9.2	3.8 x 2.6 x 9.95	3.8 x 2.6 x 10.75
NET. WEIGHT (TONNES) APPROX.	2.5	2.65	2.9

Cyclonic Husk Furnace

The Cyclonic Husk Furnace is an alternate source of hot air supply for dryers. The furnace produces clean hot air without smoke. It reduces energy costs by replacing an oil burner and gas fired furnaces.

Cyclonic Husk Furnace is equipped with an automatic husk feeding and temperature controlled system.

Application: Husk only.



ADVANTAGES

- High efficiency combustion produces clean hot air, smokeless, pollution-free and environmentally friendly
- Digital temperature controller system provided with husk feeding system (auto controller)
- 2/3 dryer can be connected with a single husk furnace
- Huge husk savings compared to conventional furnace
- The spiraling vortex of air forces ash to fall to the bottom and the cooling system reduces the ash temperature to below 35°C

TECHNICAL SPECIFICATIONS

MODEL	CAPACITY IN TON/BATCH	MAXIMUM HEAT POWER IN KW	HUSK CONSUMPTION IN KG/HR	HOT AIR TEMP IN C	TOTAL POWER REQUIRED IN HP	AREA REQUIRED
PCFY 1 (500C)	12 - 24 T	500	80-100	60-120	4.5	6 x 8 x 6.7
PCFZ 1 (700C)	24 - 32 T	700	90-100	60-120	6	7.2 x 3 x 8
PCFB 1 (2000C)	40 T	2000	150-170	60-120	8	10.7 x 3.5 x 9.8
PCFC 1 (3000C)	50 - 60 T	3000	200-350	60-120	10	12.3 x 3 x 11.5

Note: Unless otherwise specified capacity (ton/batch) should be considered for paddy only

Pre Cleaner

The Pre Cleaner is designed to remove all impurities for all types of grains. The equipment is intended to remove foreign particles such as stones, immature grains, and other impurities which differ significantly in size, shape and floating velocity from the grain prior to processing.

These contain metal and wooden sieves, as well as a scalperator drive to facilitate easy cleaning of grains and the removal of sticks and straws. They also have an in-built blower and aspiration system.

Application: Paddy, wheat, pulses, seeds and millets. Capacity will vary with bulk density and moisture.

ADVANTAGES

- Fully bolted construction, minimum fabrication works at site
- Welded construction for rigidity and strength
- Built in blower and aspiration system
- Separate scalperator with drive to remove sticks and straws
- Double aspiration channel and rubber balls for self-cleaning of sieves

TECHNICAL SPECIFICATIONS

MACHINES	RPCZ-03	RPCA-03	RPCB-03	RPCC-03	RPCA-10	RPCB-10	RPCC-10
CAPACITY-TPH ON PADDY	3~4	6~8	12~16	15~20	6~8	12~16	15~20
CAPACITY-TPH ON WHEAT	4~5	8~10	16~20	20~25	8~10	16~20	20~25
NO, OF SIEVE DECK	Single Deck	Single Deck	Double Deck	Double Deck	Single Deck	Double Deck	Double Deck
TOTAL SIEVING AREA IN SQ, MT	2	4	8	12	4	8	12
MOTOR	1 HP 960RPM	2 HP 960RPM	2 HP 960RPM 0.75 HP	2 HP 960RPM 0.75 HP	2 HP 960RPM	2 HP 960RPM 0.75 HP (Scalperator)	2 HP 960RPM 0.75 HP (Scalperator)
MOTOR FOR BLOWER	3HP 3000RPM	5HP 3000RPM	7.5HP 3000RPM	10HP 3000RPM	5HP 3000RPM	7.5HP 3000RPM	10HP 3000RPM
ASPIRATION	3500CMH, 100MM WC	5000CMH, 100MM WC	8000CMH, 100MM WC	10500CMH, 100MM WC	Volume-5000CMH Pressure-100MM WC	Volume-8000CMH Pressure-100MM WC	Volume-10500CMH Pressure-100MM WC
NO OF OUTLET	6 NO'S	6 NO'S	6 NO'S	6 NO'S	6 NO'S	6 NO'S	6 NO'S
WEIGHT OF MACHINE	~950 Kgs	~1300 Kgs	~2000 Kgs	~2400 Kgs	~1300 Kgs	~2000 Kgs	~2400 Kgs
OVERALL DIMENSION (L X W X H) IN (MM)	2765 x 1280 x 2450	2840 x 1800 x 2812	2982 x 1793 x 3352	2982 x 2293 x 3454	2840 x 1800 x 2812	2982 x 1793 x 3352	2982 x 2293 x 3454

Flow Controller

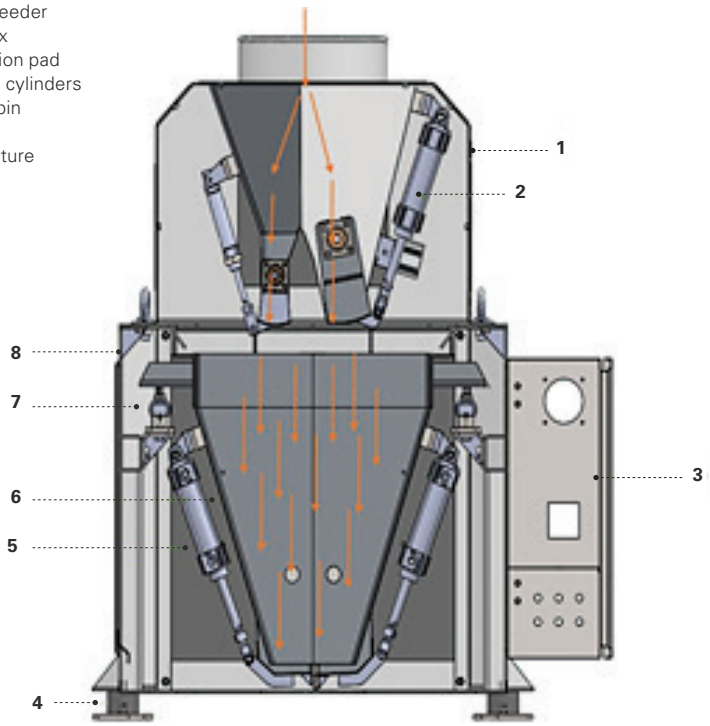
The Flow Controller assures the best possible performance combined with a user friendly operation and installation. The concept of this machine is designed and perfected over our many years of experience in the grain processing industry. These unique designs deliver a versatile concept for all varieties of finished, or semi-finished products.

This machine is a mechatronics type of machine. Therefore, the performance is controlled and measured by the combination of mechanical, pneumatic and PLC system.

ADVANTAGES

- Plant productivity can be monitored
- Controlled automation system by a PLC
- Flow rate can be controlled as per customer requirements
- Data can be stored in a removable memory drive
- Simple calibration process
- Touch screen color HMI (Human Machine Interface)
- Data monitoring and controlling by a PC (optional)

1 Rough and fine feeder chamber
2 Pneumatic cylinder for rough feeder
3 Control box
4 Anti-vibration pad
5 Pneumatic cylinders
6 Weighing bin
7 Load cell
8 Main structure



TECHNICAL SPECIFICATIONS

MACHINE TYPE	AFCA-10	AFCB-10
CAPACITY (TON/HR) ON PADDY	2.5-12	2.5-25T
ACCURACY	± 0.5%	± 0.5%
VOLTAGE (V) FREQUENCY (HZ)	415V/50Hz	415V/50Hz
AIR PRESSURE REQUIRED	5 to 6 Bar	5 to 6 Bar
AIR CONSUMPTION IN M^3 /HR.	1.8	1.8
WEIGHT (KG)	180	220
OVERALL SIZE (LxBxH IN MM)	960 x 700 x 1150	1210 x 860 x 1270

Note: Unless otherwise specified capacity (TON/HOUR) should be considered for paddy only

Classifier

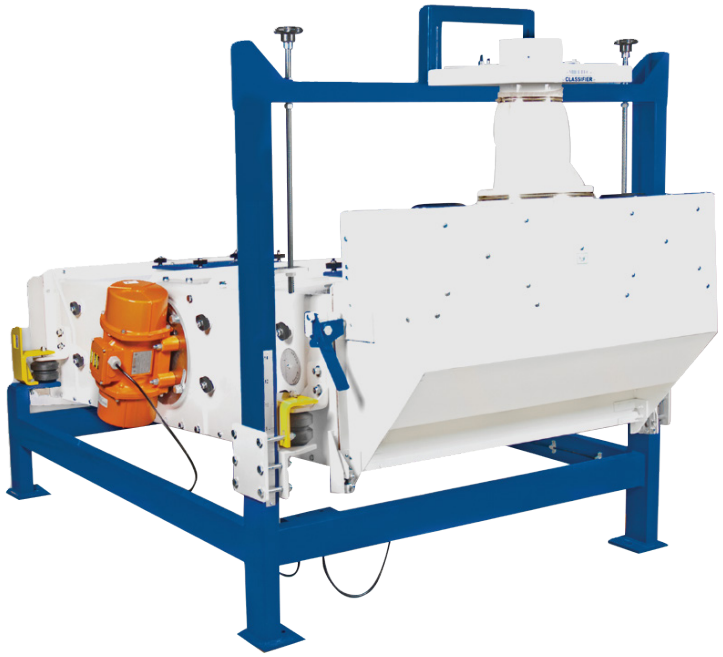
AGI Classifier efficiently separates oversized and undersized impurities from food grains. The machine is specifically designed for paddy rice, dal and seeds. The machine also allows for grading different sizes of a commodity.

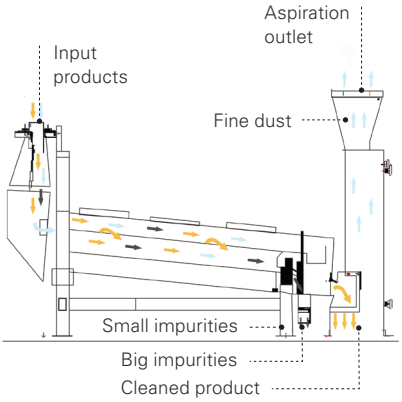
The inbuilt self-cleaning system ensures optimum efficiency during the production cycle. As per the specific demands of millers, we provide the classifier range in four models - RCLA-1, RCLB-1, RCLC-1 AND RCLD-1

Application: Paddy, wheat, pulses, seeds and millets. Capacity will vary with bulk density and moisture.

ADVANTAGES

- Precise screen size ensure high separating efficiency during the process
- Capacities ranging from 3TPH – 12 TPH
- Dust free operation with aspirator
- Robust construction with low maintenance
- Angle controller to adjust slope angle





TECHNICAL SPECIFICATIONS

MACHINE TYPE	RCLA-1		RCLB-1		RCLC-1		RCLD-1	RCLZ-2	RCLA-10	RCLB-10
CAPACITY (TON/HR) ON PADDY WITH PRE-CLEANER	MEDIUM GRAIN 6~8	LONG GRAIN 4~5	MEDIUM GRAIN 8~12	LONG GRAIN 5~8	MEDIUM GRAIN 6~8	LONG GRAIN 4~5	---	4	6~8	10~12
CAPACITY (TON/HR) ON RICE	10~12		13~15		10~12		2~3	---	10~12	13~15
MOTOR IN HP/ KW	0.50/0.37 - 2Nos		1/0.75 - 2Nos		0.5/0.37 - 2Nos		0.5/0.37 - 2Nos	0.75/1.0	0.50/0.37 - 2Nos	1/0.75 - 2Nos
VOLTAGE (V) FREQUENCY (HZ)	415/50		415/50		415/50		415/50	415/50	415/50	415/50
ASPIRATION (CMM)	90		130		90		90	---	90	130
BLOWER	7.5HP		12.5		7.5HP		7.5HP	---	7.5	12.5
WEIGHT (KG)	650		1300		780		740	850	1170	1300
OVERALL SIZE	2659 x 1482 x 1674		2659 x 1998 x 1729		2632 x 1502 x 1662		2752 x 1482 x 1643	2363 x 1492 x 2160	2558 x 1492 x 1612	2558 x 2000 x 1612

Note: Unless otherwise specified capacity (TON/HOUR) should be considered for paddy only

De Stoner

AGI De Stoner facilitates the removal of stones and other foreign particles from grain inputs by separating impurities on the basis of their densities by adjusting the aspiration system. De Stoners can be used to segregate the granular products where the particles are approximately the same size but differ in weight.

AGI De Stoner efficiently removes small amounts of heavy material from a larger quantity of light material. These machines are designed to have a long operational life and are installed with closed circuit dust aspiration and lighting systems to enable easy viewing of the components of the equipment.

Application: Only paddy.

ADVANTAGES

- Efficient and precise separation of stones and heavy material based on density difference
- Provided with closed circuit dust aspiration system
- Fitted with imported vibro motors for trouble free and long life and quiet operation
- Sturdy, rigid and heavy duty construction
- Lighting system for viewing
- SS dimple screen for longer life
- Aerodynamically designed air hood box

TECHNICAL SPECIFICATIONS

MACHINE TYPE	RDSA1	RDSB1
CAPACITY (TON/HR) ON PADDY	6~8	8~10
VIBRO MOTOR-HP/KW	0.50/0.37 - 2Nos	1/0.75 - 2Nos
VOLTAGE (V) FREQUENCY (HZ)	415/50	415/50
ASPIRATION (CMH)	130	180
STATIC PRESSURE MM-WC	70	70
WEIGHT (KG)	550	1070
OVERALL SIZE (MM)	1850 x 1750 x 2200	1564 x 2176 x 2297

Note: Unless otherwise specified capacity (TON/HOUR) should be considered for paddy only

MACHINE TYPE	RDSC - 10	RDSD-10
CAPACITY (TON/HR) ON PADDY	6~8	10~12
VIBRO MOTOR-HP/KW	0.5/960-2 Nos	1/960-2 Nos
SIEVE WIDTH-MM	1280	1880
RESORTING BLOWER (FAN) MOTOR POWER-HP/RPM	1 / 1440	1 / 1440
BLOWER (FAN) MOTOR HP/RPM	15 / 3000	20 / 3000
WEIGHT-KG	870	1010
OVERALL SIZE (MM)	1722 x 1727 x 1975	2381 x 1870 x 2284

Rice De Stoner

AGI Rice De Stoner removes stones, and heavy particles from in-feed product. The machine performs on the basis of density difference, controlled by fluidization.

Application: Only paddy.

ADVANTAGES

- Rugged design
- Common motor for blower as well as oscillating deck
- Stones outlet gate can be ontrolled by timer setting
- Sieves made up of stainless steel
- Suitable for all type of pulses

TECHNICAL SPECIFICATIONS

MACHINE TYPE	RDSE-1	RDSF-1
CAPACITY (TON/HR) ON RICE	2	4
MOTOR-HP/KW	1/0.75	2/1.5
VOLTAGE (V) FREQUENCY (HZ)	415/50	415/50
WEIGHT (KG)	200	300
OVERALL SIZE (MM)	870 x 1250 x 1150	1572 x 1250 x 1150

Unless otherwise specified capacity (TON/HOUR) should be considered for rice only

Pneumatic Sheller

AGI Pneumatic Sheller is fully automatic with imported vibro feeder.
The machine is capable of attaining up to 95% shelling, double the rubber roller life with less broken grains than under normal running conditions.

De-husker removes the husk layer of paddy by passing the grains between two counter revolving rubber rollers. A completely automatic system ensures correct feed rate and pressure between rubber rollers consumption drastically.

Application: Paddy and millets.

Highly efficient for:

- Raw rice
- Steam rice
- Parboiled rice

ADVANTAGES

- Infinite adjustment of degree of shelling by adjusting compressed air pressure
- Sensor enabled panel, disengages the rubber rolls automatically when input product flow stops
- Feed rate can be controlled electronically
- A built in cooling system to dissipate heat generated on the rubber rolls
- Auto/manual mode of working

TECHNICAL SPECIFICATIONS

MACHINE TYPE	RPSA-1		RPSC-1		RPSA-10
CAPACITY (TON/HR) ON PADDY	MEDIUM GRAIN 3~4	LONG GRAIN 2~2.5	MEDIUM GRAIN 5~6	LONG GRAIN 3~4	MEDIUM GRAIN 3~4
MOTOR-HP/KW	10/7.5, 12.5/9.375		15/11.19		10/7.5 & 12.5/9.4
VOLTAGE (V) FREQUENCY (HZ)	415/50		415/50		415/50
WEIGHT (KG)	600		750	950	710
OVERALL SIZE (MM)	1371 x 881 x 1369		1394 x 940 x 1387		830 x 1380 x 1415
RUBBER ROLLER SIZE (INCH)	10		12		10

Husk Separator

Husk Separator is used to aspirate husk/light particles from the product stream. A built in fan blows the air accross the product stream to take away lightweight particles.

This machine is specially designed to separate husk from shelled rice.

Application: Paddy and millets.

Highly efficient for:

- Raw rice
- Steam rice
- Parboiled rice

ADVANTAGES

- Dynamically balanced blower with adjustable flaps for husk separation
- Accurate separation from paddy and brown rice by the differential air pressure created inside the machine chamber
- Low maintenance required for operation

TECHNICAL SPECIFICATIONS

MACHINE TYPE	RHSA-1		RHSB-1		RHSB-10
CAPACITY (TON/HR) ON PADDY	MEDIUM GRAIN 2~3	LONG GRAIN 1~2	MEDIUM GRAIN 3.5~4	LONG GRAIN 2~2.5	MEDIUM GRAIN 4~6
MOTOR-HP/KW	3.0/2.2		5/3.7		5/3.75
VOLTAGE (V) FREQUENCY (HZ)	415/50		415/50		415/50
WEIGHT (KG)	~750		~900		1220
OVERALL SIZE (MM)	1756 x 1724 x 1150		1828 x 2172 x 1270		830 x 1380 x 1415

Tray Separator

AGI Tray Separator is designed for high-capacity inputs and enable our customers to efficiently separate brown rice from paddy. They can be customized by customers to suit their speed requirements and can provide three distinct types of outputs based on the customer's selection: paddy, brown rice, and a mixture of paddy and brown rice.

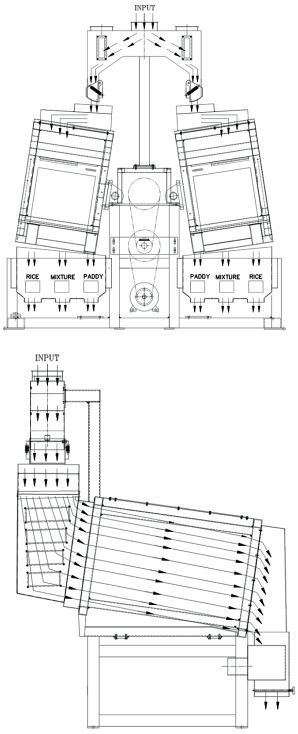
Future wear and tear of the trays and other component parts are minimized using stainless steel.

AGI Tray Separator can efficiently separate paddy and brown rice by its differential density, the separated products are discharged via three separate outlets for brown rice, paddy and a mixture of paddy and rice. The paddy is then recycled in the Pneumatic Sheller but, the mixture of paddy and rice is recycled in Tray Separator itself.

Application: Brown rice.

ADVANTAGES

- Higher out put with adjustable speed (optional)
- Separations in three distinct classifications: paddy, brown rice and mixture
- Stainless steel trays to minimize wear and tear
- Sensor for flow indication



TECHNICAL SPECIFICATIONS

MACHINE TYPE	RTSA-1	RTSB-1	RTSA-10	RTSB-10
CAPACITY (TON/HR) ON PADDY	2~4	6~10	4~6	10~12
MOTOR-HP/KW	3/2.2	3/2.2	3/2.2	3/2.2
VOLTAGE (V) FREQUENCY (HZ)	415/50	415/50	415/50	415/50
ASPIRATION CMM	5	10	5	10
WEIGHT (KG)	800	1100	1220	1730
OVERALL SIZE (MM)	1290 x 1678 x 2153	1987 x 1678 x 2153	1865 x 1715 x 2460	2150 x 1840 x 2475

Note: Unless otherwise specified capacity (TON/HOUR) should be considered for paddy only

Thickness Grader

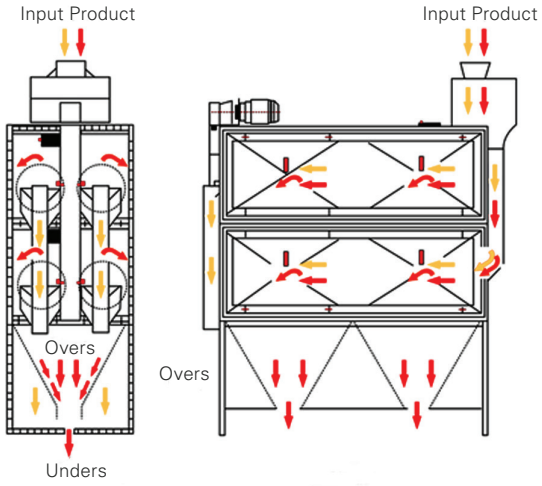
AGI Thickness Grader is used to separate various grains by thickness, for both brown and polished rice. The material is processed through revolving cylindrical screens that are efficient for separating admixture of oversized or undersized grains. These can also be used to remove immature or broken grains from the input and can be installed with a variable speed drive to enable clients to customize the input speed.

The product traverse in the product specific wire mesh, resulting in the separation of thick and thin grains. The machine is specifically designed and best suited for raw, steamed, parboiled, boiled and basmati rice.

Application: Brown rice and rice.

ADVANTAGES

- A specially designed cylindrical screen ensures accuracy of separation
- An integrated cleaning brush counter rotates with the drum to avoid choking of slots
- Customized selection of sieves to suit various application
- Can be fitted with variable speed drive (optional)



FRONT VIEW **SIDE VIEW**

TECHNICAL SPECIFICATIONS

MACHINE TYPE	RTGA-1		RTGB-1		RTGC-1	
CAPACITY (TON/HR) ON PADDY	THIN 3	THICK 4	THIN 5	THICK 6	THIN 7	THICK 8~9
MOTOR-HP/KW	0.50/0.37		1.0/0.735		2/1.5	
VOLTAGE (V) FREQUENCY (HZ)	415/50		415/50		415/50	
ASPIRATION	8		8		8	
WEIGHT (KG)	430		620		840	
OVERALL SIZE (MM)	2188 x 870 x 1700		2188 x 870 x 2301		2188 x 870 x 2898	

MACHINE TYPE	RTGA-10		RTGB-10		RTGC-10	
CAPACITY (TON/HR) ON PADDY	THIN 3	THICK 4	THIN 6	THICK 8	THIN 8	THICK 12
MOTOR-HP/KW	0.50 / 0.37		1.0 / 0.735		2.0 / 1.5	
VOLTAGE (V) FREQUENCY (HZ)	415/50		415/50		415/50	
ASPIRATION	8		10		12	
WEIGHT (KG)	450		550		800	
OVERALL SIZE (MM)	2100 x 1000 x 1800		2100 x 1000 x 2190		2100 x 1000 x 2780	

Note : Unless otherwise specified capacity (TON/HOUR) should be considered for paddy only

Rice Whitener

The Rice Whitener incorporates advanced techniques for whitening of brown rice. It uses the vertical abrasive grinding wheel from top to bottom.

The rice is whitened very gently between the two grinding wheels and screen without changing the original shape of rice kernel. A specially designed aspiration system takes away the bran produced during the whitening process. This vertical rice whitening machine is equipped with a mechanism for adjusting the degree of whiteness. The accurate and precise assembly technique ensures minimal broken content.

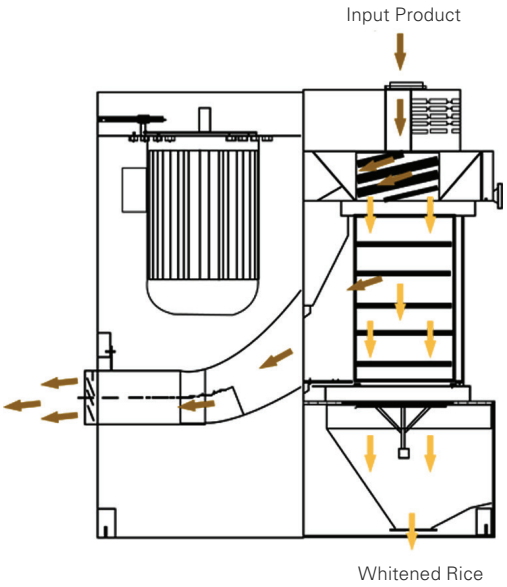
Application: Brown rice and rice.

Highly efficient for:

- Raw rice
- Steamed rice
- Parboiled rice
- Basmati rice
- Boiled rice

ADVANTAGES

- Whiteners are designed for superior output of whitened rice with less percentage of broken grains
- These machines are available in a wide range of capacities
- Provides uniform whiteness on all the grains
- Mounted with a differential type manometer for accurate control of chamber pressure
- Capable of handling raw, steamed and parboiled rice
- Vertically mounted silicon carbide grinding wheels assures higher head rice yield and reduced broken yield
- Sturdy rigid and heavy duty construction lowers maintenance costs



Rice Whitener

TECHNICAL SPECIFICATIONS

MACHINE TYPE	RWHA-1		RWHB-1		RWHC-1		RWHD-1	
CAPACITY ON PADDY	MEDIUM 1~1.5	LONG 0.5~1	MEDIUM 2.5~3	LONG 1.5~2	MEDIUM 3.5~4	LONG 2~2.5	MEDIUM 5~6	LONG 3~4
MOTOR HP/KW	15/11.25		25/18.5 30/22.5		40/30		50/37.5	
VOLTAGE (V) FREQUENCY (HZ)	415/50		415/50		415/50		415/50	
ASPIRATION	20		30		40		60	
STATIC PRESSURE MM-WC	150		150		150		150	
WEIGHT (KG)	490		800		1000		1200	
OVERALL SIZE (MM)	1252 x 600 x 1450		1537 x 620 x 1493		1700 x 690 x 1989		1695 x 800 x 1837	

MACHINE TYPE	RWHE-1	RWHF-1	RWHI-1	RWHX-1	RWHZ-1
CAPACITY ON PADDY	8	12~15	18~20	3	6
MOTOR HP/KW	75/60	100/75	120/90	25/18.5 30/22.5	50/37.5
VOLTAGE (V) FREQUENCY (HZ)	415/50	415/50	415/50	415/50	415/50
ASPIRATION	80	150	200	30	50
STATIC PRESSURE MM-WC	150	150	150	150	150
WEIGHT (KG)	2050	2750	3050	450	900
OVERALL SIZE (MM)	2142 x 940 x 2431	1900 x 1000 x 1900	2450 x 1000 x 2850	1252 x 600 x 1350	1695 x 800 x 1737

Note: Unless otherwise specified capacity (TON/HOUR) should be considered for paddy only

Silky Polisher

AGI Water Jet (Silky) Polisher is used for polishing the rice surface. By spraying water through the mixing chamber creates friction through the rice grains with the use of milling rollers. The weight-controlled outlet of the polisher controls the retaining time of kernels inside the milling chamber. The Water Jet (Silky) Polisher produces rice grains with a shiny surface finish.

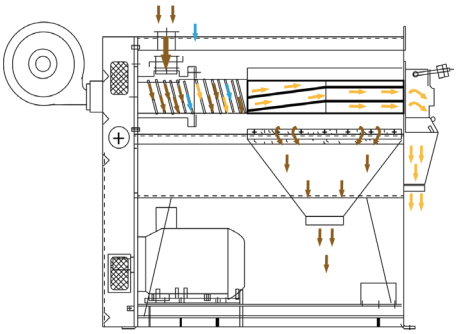
Application: Only rice.

Highly efficient for:

- Raw rice
- Steamed rice
- Parboiled rice
- Basmati rice
- Boiled rice

ADVANTAGES

- PLC controlled automation system
- Water and air mist nozzle at shaft
- Integrated humidifier system with completely enclosed sieve frames with long rod
- Motor placed outside the machine for easy maintenance
- Reduced machine height for sturdy operation



TECHNICAL SPECIFICATIONS

MACHINE TYPE	RWPA-1	RWPB-1	RWPC-1		RWPC-10		RWPD-10		RWPF-10	
CAPACITY TON/HR ON PADDY	2	2	MEDIUM GRAIN 6	LONG GRAIN 4	MEDIUM GRAIN 6	LONG GRAIN 4	MEDIUM GRAIN 8	LONG GRAIN 6	MEDIUM GRAIN 10	LONG GRAIN 8
MOTOR HP/ KW	25/18.75	30/22	50/37.5		75/56		100/75		120/90	
VOLTAGE (V) FREQUENCY (HZ)	415/50	415/50	415/50		415/50		415/50		415/50	
ASPIRATION	30	30	50		60		80		100	
STATIC PRESSURE MM-WC	150	150	150		150		150		150	
WEIGHT (KG)	430	350	650		950		1050		1950	
OVERALL SIZE (MM)	2350 x 800 x 2402	1509 x 702 x 1360	2094 x 1675 x 700		2910 x 1410 x 1745		2910 x 1410 x 1745		2300 x 800 x 2100	

Note: Unless otherwise specified capacity (TON/HOUR) should be considered for paddy only

Rotary Sifter

AGI offers a high capacity Rotary Shifter which can segregate input rice into different categories. This machine is specifically designed and is best suited for rice.

Application: Only rice.

ADVANTAGES

- Wedge clamping mechanism for better sieve frame clamping and leak prevention which enhances performance
- 117 RPM, with 2 stage RPM reduction
- Rugged design
- Wooden sieve frame
- Precision rotary mechanism for longer life and smooth running

TECHNICAL SPECIFICATIONS

MACHINE TYPE	RSIA-2	RSIC 2
CAPACITY (TON/HR) ON PADDY	4	6
MOTOR-HP/KW	1.5/1.125	2/1.5
VOLTAGE (V) FREQUENCY (HZ)	415/50	415/50
NO. OF SIEVES	5	5
WEIGHT (KG)	800	1100
OVERALL SIZE (MM)	1670 x 1370 x 1500	1550 x 1780 x 1600

Note: Unless otherwise specified capacity (TON/HOUR) should be considered for paddy only

Length Grader

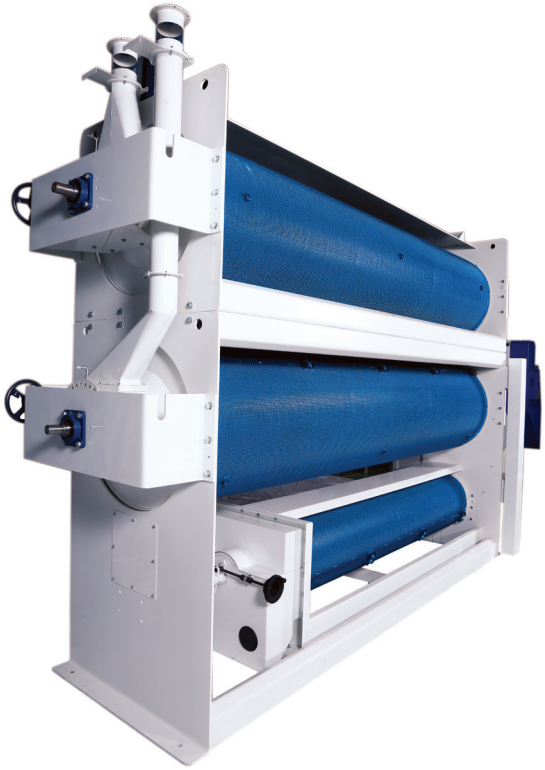
AGI MILLTEC Length Grader is widely used for the separation of broken rice from full rice and long rice. The machine is specifically designed to suit basmati, raw, steamed, parboiled, and boiled rice. Our length graders enable our customers to separate broken grains from whole grains by passing them through rotating indented cylinders. The equipment is installed with an built-in self-cleaning mechanism to ensure optimum productivity.

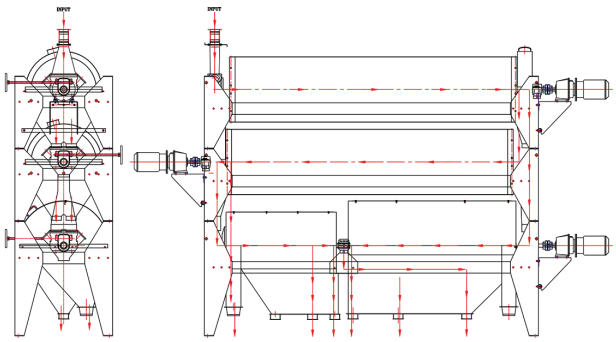
Specially designed indents make sure there is no rice among the separated broken. The full-grain length remains at the bottom of the cylinder and travels to a separate discharge outlet.

Application: Only rice (medium size).

ADVANTAGES

- Tear-drop shaped indents for higher accuracy of separation
- Modular construction of cylinders, one above the other to save space
- Easy maintenance and minimum operating cost
- Built in self-cleaning mechanism to ensure optimum separation
- The machine is equipped with sampling ports at the outlets to monitor the degree of separation
- Percentage of broken separation is adjustable
- Rigid fabricated body for smooth operation





TECHNICAL SPECIFICATIONS

MACHINE TYPE	RLGA-1	RLGB-2/2	RLGC-1/3	RLGE-3/2	RLGF-2/3	RLGZ-1	RLGA-10-1/3	RLGB-10-2/3
CAPACITY ON PADDY	4	8	4	12	8	1.5	4	8
MOTOR HP/ KW	2/1.5, 1No	2/1.5, 2Nos	2/1.5, 2Nos	2/1.5, 3Nos	2/1.5, 3Nos	1/0.75, 1No	3 / 2.2	5.0 / 3.5
VOLTAGE (V) FREQUENCY (HZ)	415/50	415/50	415/50	415/50	415/50	415/50	415/50	415/50
NO. SIEVE DRUMS	1	2	2	3	3	1	1	2
WEIGHT (KG)	650	1200	1200	1800	1800	520	1100	1750
OVERALL SIZE (MM)	4369 x 1070 x 1380	4331 x 1154 x 2112	5081 x 1154 x 2112	4331 x 1154 x 2916	5081 x 1154 x 2916	3380 x 665 x 820	4305 x 2705 x 1820	4305 x 2705 x 1195

Note: Unless otherwise specified capacity (TON/HOUR) should be considered for paddy only

Color Sorter – GAMMA Series

Technology

- 7th generation FPGA processing with auto intelligent digital image sorting technology
- Product scanning speed of 35,000 lines/sec
- Auto calibration feature with auto setting and auto sorting control
- High brightness adjustable cool white LED lighting systems with life span of 50,000 Hrs
- Self-diagnosis and memorization of different scanned products

CCD Cameras

- Multichromatic 16,200 pixel high speed cameras with excellent scanning rate
- NIR and InGaAs camera to identify the foreign materials
- Plastic, glass and color sorting
- Double vision scanning system to detect the slightest difference up to 0.01mm
- Specially customized spectrum confocal 2.0 low distortion HD lenses to identify pinpoint, glass, plastic and desiccant images
- Equipped for reverse sorting and size sorting methodology

Ejectors

- Maglev technology ejectors with fast response time of 0.8 milliseconds, 3.8 mm nozzle and a life time of 10 billion cycles
- Upgraded with quality ejector feedback system that can monitor ejections

Graphics Panel

- 15“ Linux based user friendly graphic user interface (GUI) with 5G online support system
- Image capturing systems with 200 profiles storage that enables quick machine settings

Chutes

- Anodized chutes having smooth surface to facilitate the even flow of material
- Heating provision for chutes to avoid choking of material

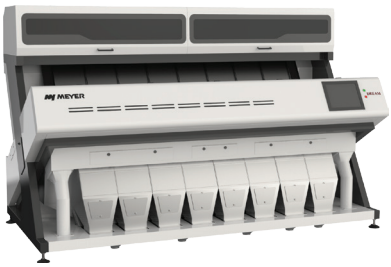
Major Application: Rice.

TECHNICAL SPECIFICATIONS

MACHINE MODEL	GAMMA 240	GAMMA 360	GAMMA 480	GAMMA 600
NO. OF CHUTES	4	6	8	10
CHANNEL RE RE SORT	120+60+60	180+120+60	300+120+60	360+180+60
CHANNEL RE RE RE SORT	---	180+60+60+60	240+120+60+60	300+180+60+60
RGB CAMERAS	8	12	16	20
POWER CONSUMPTION	4KVA	6KVA	8KVA	10KVA
AIR COMPRESSOR	20HP 110CFM	30HP 130CFM	40HP 200CFM	50HP 230CFM
INDICATIVE O/P CAPACITY (RICE) @5% DARK	3-4 TPH	4.5-5.5 TPH	6.5-7.5 TPH	7.5-8.5 TPH
FINAL REJECTION (GOOD :BAD)	1 : 30	1 : 30	1 : 30	1 : 30
OVERALL SIZE (MM)	2118 x 1580 x 2020	2710 x 1580 x 2020	3333 x 1580 x 2020	3925 x 1580 x 2020

Capacity is indicative and may vary due to grain quality and density.

Color Sorter – ZETA Series



CCD Cameras

- 16,200 pixels per camera, RGB confocal HD camera with nanoscale visible light ultra-clear color sensor and low distortion HD lenses to identify pinpoint, pale yellow, transparent glass and desiccant materials
- Double vision scanning system to detect the slightest difference up to 0.01mm
- RGB confocal slow motion camera to capture the defect more clear and better rejection ratio
- Equipped for reverse sorting and size sorting methodology

Chutes

- Anodized chutes having smooth surface to facilitate the even flow of the material
- Heating provision for chutes to avoid choking of material

Graphics Panel

- 15" Linux based user friendly graphic user interface (GUI) with online support system
- Image capturing systems with 200 profiles storage that enables quick machine settings
- Sorter care app to view current status and control the machine remotely
- Machine sorting realistic statistical data will available in sorting care app

Ejectors

- Maglev technology ejectors with fast response time of 0.8 milliseconds, 3.8 mm nozzle and a life time of 13 billion cycles
- Upgraded with quality ejector feedback system that can monitor the ejections

Technology

- 7th generation FPGA processing with auto intelligent digital image sorting technology
- Product scanning speed of 35,000 lines/sec
- Auto calibration feature with auto setting and auto sorting control
- Full spectrum adjustable cool LED lighting systems with life span of 120,000 Hrs
- Self-diagnosis and memorization of different scanned products
- PID system for even control of feeder material

Major Application: Rice.

TECHNICAL SPECIFICATIONS

MACHINE MODEL	ZETA 360	ZETA 480	ZETA 600	ZETA 780
NO. OF CHUTES	6	8	10	13
CHANNEL RE RE SORT	180+120+60	300+120+60	360+180+60	480+180+120
CHANNEL RE RE RE SORT	180+60+60+60	240+120+60+60	300+180+60+60	420+180+120+60
RGB CONFOCAL HD CAMERAS	6	8	10	13
RGB CONFOCAL SLOW-MOTION CAMERAS	6	8	10	13
TOTAL CAMERAS IN MACHINE	12	16	20	26
POWER CONSUMPTION	6 KVA	8 KVA	10 KVA	10 KVA
AIR COMPRESSOR	30HP 130CFM	40HP 200 CFM	50HP 230CFM	60HP 250CFM
INDICATIVE O/P CAPACITY (RICE) @5% DARK	4.5-5.5 TPH	6.5-7.5 TPH	7.5-8.5 TPH	10-11 TPH
FINAL REJECTION (GOOD:BAD)	1:50	1:50	1:50	1:50
OVERALL SIZE (MM)	2710 x 1580 x 2020	3333 x 1580 x 2020	3925 x 1580 x 2020	4445 x 1620 x 2020

Capacity is indicative and may vary due to grain quality and density.

Color Sorter – IOTA Series

CCD Cameras

- 16,200 pixels per camera, RGB confocal HD camera with nanoscale visible light ultra-clear color sensor and low distortion HD lenses pinpoint, pale yellow, transparent glass and desiccant materials
- InGaAs infrared quad camera to identify foreign materials like glass, desiccants, plastic, same color stones and other non-rice impurities
- RGB confocal slow motion camera to capture the defect clearly with better rejection ratio
- Equipped for reverse sorting and size sorting methodology

Chutes

- Anodized chutes provide smooth surfaces to facilitate the even flow of materials
- Heating provision for chutes to avoid choking of material

Graphics Panel

- 15“ Linux user friendly graphic user interface (GUI) with online support system
- Image capturing systems with 200 profiles storage that enables quick machine settings
- Sorting machine sorter care app to view the current status and control of the machine
- Machine sorting realistic statistical data will available in sorting care app

Ejectors

- Maglev technology ejectors with fast response time of 0.8 milliseconds, 3.8 mm nozzle and a life time of 13 billion cycles
- Upgraded with quality ejector feedback system that can monitor the ejections

Technology

- 7th generation FPGA processing with auto intelligent digital image sorting technology
- Product scanning speed of 35,000 lines/sec
- Auto calibration feature with auto setting and auto sorting control
- Full-spectrum adjustable cool LED lighting systems with life span of 120,000 Hrs
- Self-diagnosis and memorization of different scanned products
- PID System for even control of feeder material

Major Application: Rice.

TECHNICAL SPECIFICATIONS

MACHINE MODEL	IOTA 360	IOTA 480	IOTA 600
NO. OF CHUTES	6	8	10
CHANNEL RE RE SORT	180+120+60	300+120+60	360+180+60
CHANNEL RE RE RE SORT	180+60+60+60	240+120+60+60	300+180+60+60
RGB CONFOCAL HD CAMERAS	6	8	10
RGB CONFOCAL SLOW-MOTION CAMERAS	6	8	10
INFRARED SPEED CAMERAS	6	8	10
INGAAS CAMERAS	6	8	10
TOTAL CAMERAS IN MACHINE	24	32	40
POWER CONSUMPTION	6 KVA	8 KVA	10 KVA
AIR COMPRESSOR	30HP 130CFM	40HP 200CFM	50HP 230CFM
INDICATIVE O/P CAPACITY (RICE) @5% DARK	4.5-5.5 TPH	6.5-7.5 TPH	7.5-8.5 TPH
FINAL REJECTION (GOOD:BAD)	1:70	1:70	1:70
OVERALL SIZE (MM)	2710 x 1580 x 2020	3333 x 1580 x 2020	3925 x 1580 x 2020

Capacity is indicative and may vary due to grain quality and density

Grain Blender with Ribbon Mixer and Filling

AGI Milltec introduces the brand-new PRIME Series Blending Machine with ribbon mixer and filling. This machine has been developed to achieve the best possible performance combined with a userfriendly operation and installation. We have applied our many years of grain processing experience to design a unique machine that is versatile to handle all varieties of finished and semi-finished products.

The PRIME Series Blending Machine is a mechatronics type of machine. The performance is controlled and measured by the combination of mechanical, pneumatic & PLC system.

The HMI display is used to set to set the required blending percentage and mixing time. Controller automatically set the machine for desired blending value & accordingly weighing bin measure the product with the help of load cell. If set value is achieved, the weighing bin opens and the product is discharged into the ribbon mixer. Our efficient ribbon mixer mixes the product to achieve complete homogeneity. Once mixing is complete, the bagging attachment allows the user to bag the product at specific required weights.

PRODUCT FEATURES:

- Blending, mixing and bagging included in a single machine
- Eliminates need for multiple elevators and packing machines
- PLC controlled automation system (programmable logic controller)
- Product mixing % can be controlled as per requirement.
- Data can be stored in pen drive
- Simple calibration process
- Color touch screen HMI (Human Machine Interface)
- Product delivered with calibration certificate from NABL approved labs

TECHNICAL SPECIFICATIONS

MACHINE TYPE	GBRA-10
CAPACITY-TPH	10~12 (Mixer Time Set as 15Sec & Blending set at 1%)
ACCURACY-GMS	± 0.20
VOLTAGE (V)/FREQUENCY (HZ)	415/50
MIXER MOTOR	1HP, 54RPM
AIR PRESSURE REQUIRED-BAR	5~6
AIR CONSUMPTION IN M^3 /HR.	2.5
WEIGHT-KG	200
BLENDER OVERALL SIZE	1110 x 1100 x 1150
MIXER OVERALL SIZE	1110 x 1100 x 1150

1. 50Kgs Bags possible in 1% mixing.
2. 25Kgs Bags possible in 2% mixing.

Capacity and performance of the machine is varying based on the density & contaminations of product. all above measurement is done with the rice of the density 750 kg/m^3.

Packing/Grain Filling Machine

AGI packaging equipment, pack grains into bags with capacities ranging from 5 kg to 75 kg. Our Packing Machines are equipped with several features such as weighing and discharge bins, and a control system to facilitate smooth packing of grains. The Grain Filling Machines are available in two models with single and double dosing options.

Application: Rice, pulses.
*Capacity will vary with bulk density and moisture

ADVANTAGES

- PLC and pneumatic based control system
- Color touch pad screen for display or entry
- SS material for weighing bin discharge and material feeder
- Jaws movement bag holder setup

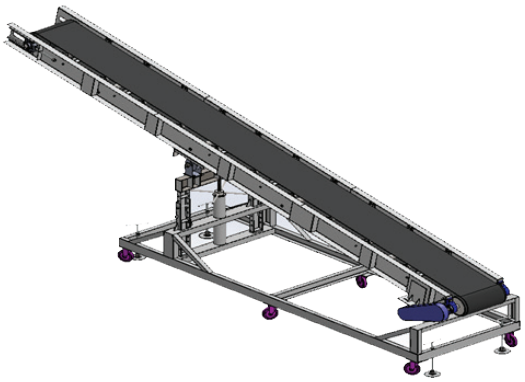
TECHNICAL SPECIFICATIONS

MACHINE TYPE	RGFA-10			RGFB-10		
	WEIGHT IN KG	BAGS/MIN	ACCURACY	WEIGHT IN KG	BAGS/MIN	ACCURACY
CAPACITY (TON/HR) ON RICE	5	11 to 12	±10 gm	5	18 to 20	±10 gm
	10	10 to 11	±10 gm	10	16 to 17	±10 gm
	25	9 to 10	±15 gm	25	14 to 15	±15 gm
	50	6 to 7	±20 gm	50	11 to 12	±20 gm
	---	---	---	75	8 to 9	±20 gm
VOLTAGE (V) FREQUENCY (HZ)	415V/50Hz			415V/50Hz		
AIR PRESSURE REQUIRED	5 to 6 Bar			5 to 6 Bar		
AIR CONSUMPTION IN M^3/HR	2.4			4.2		
WEIGHT (KG)	200			350		
OVERALL SIZE (MM)	1110 x 815 x 1760			1910 x 900 x 1850		

MACHINE TYPE	RGFA-2			RGFB-2		
	WEIGHT IN KG	BAGS/MIN	ACCURACY	WEIGHT IN KG	BAGS/MIN	ACCURACY
CAPACITY (TON/HR) ON RICE	10	10 to 11	±10 gm	10	16 to 17	±10 gm
	25	9 to 10	±15 gm	25	14 to 15	±15 gm
	50	6 to 7	±20 gm	50	11 to 12	±20 gm
	---	---	---	75	8 to 9	±20 gm
VOLTAGE (V) FREQUENCY (HZ)	415V/50Hz			415V/50Hz		
AIR PRESSURE REQUIRED	5 to 6 Bar			5 to 6 Bar		
AIR CONSUMPTION IN M^3/HR	5.7			10.2		
WEIGHT (KG)	240			430		
OVERALL SIZE (MM)	967 x 828 x 1878			1574 x 966 x 2120		

Note: Unless otherwise specified capacity (TON/HOUR) should be considered for rice only

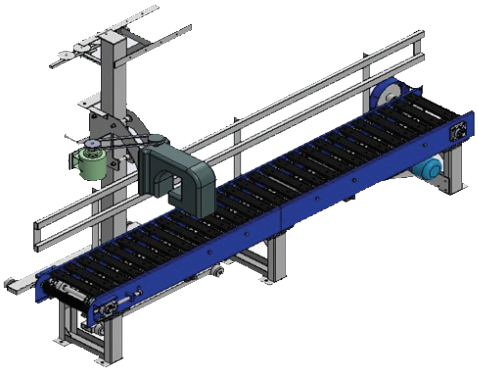
Bag Loader



SPECIAL FEATURE

- Brake system for holding in required positions
- Screw type manual lifting mechanism
- Belt tension adjustment
- Easy maintenance
- Locking facility available for required height

Slat Conveyor



SPECIAL FEATURE

- Sieving head adjustment as required
- Chain tension adjustment

BAG LOADER TECHNICAL SPECIFICATIONS

MACHINE PARAMETERS	MODEL - ABLA 1
CONVEYOR TYPE	Belt
GEARED MOTOR	2HP 38RPM
BELT SPEED	0.35 Mtr/Sec
CONVEYOR LENGTH	6 meters
BELT WIDTH	450mm
MIN. HEIGHT	6 Feet
MAX. HEIGHT	10 Feet
HEIGHT ADJUSTMENT IMECHANISM	Screw Jack/Hydraulic
OVERALL SIZE (MM)	6200 x 1500 x 2300
WEIGHT OF THE CONVEYOR	550 Kgs

SLAT CONVEYOR TECHNICAL SPECIFICATIONS

MACHINE TYPE	ASCA-1
CONVEYOR TYPE	Slat
MOTOR FOR CONVEYOR	1 HP, 54 RPM
MOTOR SEWING HEAD	0.5HP, 1440
CONEYOR SPEED	0.35 Mtr/Sec
CONVEYOR LENGTH	3 Meters
CONVEYOR WIDTH	350 mm
CONVEYING BAGS CAPACITY	10 to 100 Kgs
HEIGHT ADJUSTABLE	No
OVERALL SIZE (MM)	3020 x 610 x 1000
WEIGHT OF THE CONVEYOR	350 Kgs

Bucket Elevator (Grain Discharger)

AGI Bucket Elevators operate at maintained surface speed to achieve higher efficiency with negligible rejections. The drive rollers are rubber vulcanized to avoid belt slippage while running. Our elevators are fitted with food grade shovel buckets. Belts are made of food grade rubber with heat and oil resistant surface. Elevators works by both scooping and lifting based on project layout.

Inlet and outlets are fitted with wear resistance plates and are also fitted with a back stopper mechanism at the assembly head.

TECHNICAL SPECIFICATIONS

MACHINE TYPE	AGDB	AGDC	AGDD	AGDE	AGDF	AGDZ	AGDY
CAPACITY ON PADDY TPH	5	8	12	20	25	5	8
CAPACITY ON RICE TPH	6	10	16	25	32	6	10
GEAR MOTOR POWER: HP	1	1.5	2	3	4	1	1.5
BELT WIDTH IN MM	125	150	200	250	300	125	150
DRUM DIAMETER IN MM	300	360	500	550	600	300	360

Note: The given geared motors HP is applicable up to 40 feet height.

Accessories

Magnet

Cyclone / Recovery Unit

Bran Discharger with Geared Motor

Gravity Table

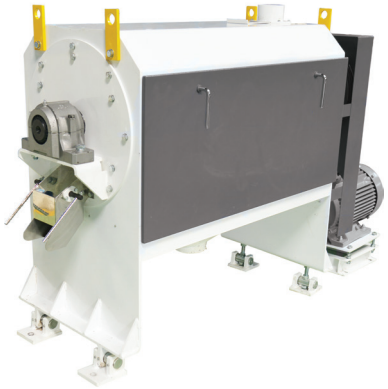
Application: Wheat, beans, seeds and coarse spices.

TECHNICAL SPECIFICATIONS

MACHINE TYPE	RGTZ-2	RGTB-2
CAPACITY ON WHEAT TONNE PER HR	2	4
SIEVE DECK GEAR MOTO - HP/RPM	1.5/430 (VFD)	2.0/430 (VFD)
NO. OF BLOWER	5	6
SIEVE MESH TYPE	10 / 16 / 30	10 / 16 / 30
SIEVE DIMENSIONS - MM	2200 x 1050	2160 x 1200
WEIGHT - KG	900	1160
OVERALL SIZE (MM)	2256 x 1455 x 1680	3356 x 1588 x 1680

NOTE: Capacity mentioned is indicative and shall vary based on commodity and impurity levels therein

Perler



Application: Pulses and maize

TECHNICAL SPECIFICATIONS

DESCRIPTION	PPEA-1 (PERLER)	PPOA-1 (POLISHER)
CAPACITY IN TPH (PIGEON PEAS)	2 ~ 4	1.5 ~ 2
DRIVE MOTOR-HP/RPM	12.5 ~ 15/1440	15 ~ 20/1440
MACHINE INCLINATION	3-10 Degree (Adjustable Type)	
ASPIRATION-CMH/MMWC	1200/100	900/100
WEIGHT - KG	571	545
OVERALL SIZE (MM)	1950 x 680 x 1335	2145 x 680 x 1345

Fine Cleaner

Application: Paddy, wheat, pulses, beans, seeds.

TECHNICAL SPECIFICATIONS

MACHINE TYPE	RFCA-1	RFCB-1
CAPACITY ON WHEAT TPH	2~3	4~6
SIEVE BOAT MOTOR-HP/RPM	2/960	0.75/24 (Feed Roller) 2/960
SIEVE DIMENSION L x B (MM)	(3 x 800) x 1000	(3 x 800) x 1000
SIEVE AREA-SQ MTR	5.6	9.6
NO. OF SIEVE LAYER IN EACH BOAT	3	2
NO. OF BOAT	1	2
BLOWER (FAN) MOTOR-HP/RPM	5/3000	7.5/3000
WEIGHT-KG	1600	2000
OVERALL SIZE (MM)	3200 x 1758 x 7800	3117 x 1756 x 3500

NOTE: Capacity mentioned is indicative and shall vary based on commodity and impurity levels therein

Technical Services & Network

AGI provides end-to-end customized turnkey solutions from planning to commissioning of rice mills. We provide unmatched support through our service and spare parts department, with over 100 experienced and qualified engineers to cater to the needs of all of our customers.

AGI adheres to strict delivery schedules as per our commitment to our clients. We identify and allocate resources, working through man-to-machine synergy to address client issues and provide meaningful and cost-effective solutions.

AGI has a strong network of branch offices that form the hub for our sales and after sales activities.

*Modifications Clause: AGI reserves the right to make any modifications or improvements in our design or specification of the equipment offered due to our continual improvement programs. Subsequently the catalogue versions will be revised accordingly.

AGI Rice Milling Installations

Rice Milling Plants

Seed Processing Plants

Pulses Processing Plants

Processing Solutions for Pulse Mills

Cleaning

De Stoning

Pulse Perler

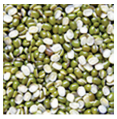
Dryer

Segregation

Pulse Splitting

Color Sorting

Packing



Cleaning, Grading & Sorting Solutions For Seeds & Other Grains

Pre-Cleaner

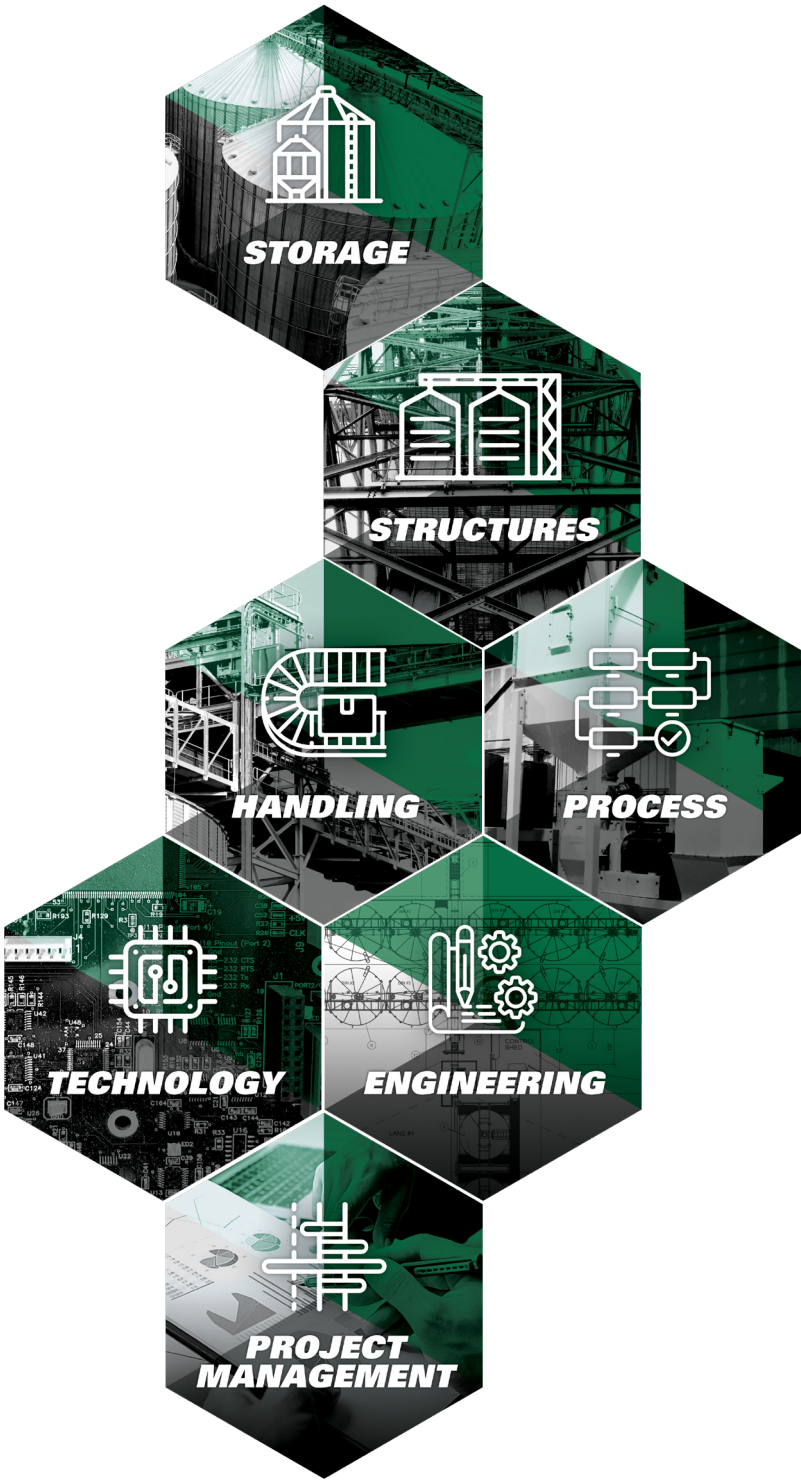
Fine-Cleaner

De-Stoner

Gravity Separator

Color Sorter

Packing



AGI is a leading provider of equipment solutions for agriculture bulk commodities including seed, fertilizer, grain, and feed systems with a growing platform in providing equipment and solutions for food processing facilities. AGI has manufacturing facilities in Canada, the United States, the United Kingdom, Brazil, India and Italy and distributes its products globally.

AGI

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