



Most Advanced & High Quality

## MULTIGRAIN COLOR SORTER

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## ROTARY AIR SCREW COMPRESSOR

Capacity: 2.2-250 kW



Inspired by Global Experience

Delivering World Class  
Products to

# FOOD INDUSTRY

AGRO SOLUTION INDUSTRIES  
based in Sharanpur, UP for  
last 50 years serving the nation  
catering world class agriculture machinery.  
Now, Agro Solution Industries  
is launching

## "AGROGEN"

Most Advanced & High-Quality

**MULTIGRAIN  
COLOR SORTER**

&

**ROTARY SCREW  
COMPRESSOR**

in the market at affordable Cost.



# About Us

Since inception, we have been delivering world class product to our esteemed clients at affordable price. Our team is stationed around the nation bringing their experience to the industry so we can leverage them to create unique experience for our clients. We stand out not just in our affection for creativity but also in our commitment to trust, transparency and honesty working diligently to complete every project we lay our hands on.

We are an eminent importer of **Most Advanced & High-Quality Multigrain Color Sorter and Rotary Screw Compressor** among the country. As per marketing need, we emphasis on providing best possible solutions with global quality specifications to meet the continuously altering industry demands.

Each of our products is being made and tested under high quality machines to give optimum working process with affordable price. Supported by a team of industry knowledgeable engineers and technical staff, we have been able to deliver quality modulation services to our clients. We have always focused on achieving complete customer satisfaction by delivering superbly efficient, precise and firm equipment to our clients across the country.

## Why Us?

We are customer-oriented organisation and constantly strive to adopt measures to provide total satisfaction to our customer. Within a short span of time, we are successful in meeting the varied demands of our valued customer. We take every possible measure to provide optimum quality and cost-effective products and deliver them within the stipulated time frame.

We are always ready supporting 24 hours online/offline service to the customer who are engaged with us through our skilled engineers and professional staff. When you come in contact with Agrogen, it is our top priorities to provide best solution at the earliest. We pride ourselves on our quick response times and reliability.

We understand how important it is for your business to be operational always. Our ability to satisfy all elements of your compressed air requirements, whether it be production, sales, or service, stands us apart in the industry.

## Infrastructure

We are capable of meeting even the bulk demand of our clients with ease and within stipulated time. We have skilled work force, which avail the provided technology in the best possible manner.



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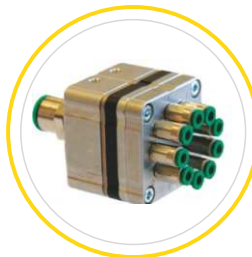
# MULTIGRAIN COLOR SORTER

## Key Features



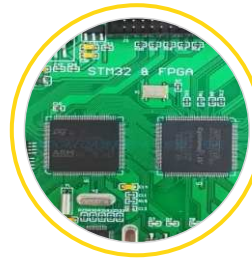
### High resolution camera

Two 16200 pixels CCD (charged coupled device) sensor Toshiba company, made in Japan RGB cameras are used for each chute. It can detect up to 50000 lines/sec.



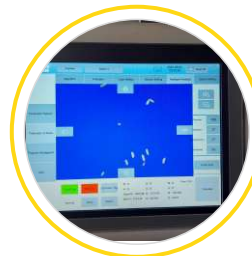
### High Precision Ejector

High Precision Ejector Valves are used as per the customer demand or engineer's recommendations. It has life of more than 5 billion times shoots. Capable of high-speed accurate ejection process, 0.9ms response time Easy maintenance.



### Intelligent Processing

International standard, top level ARM [Advanced RISC (Reduced instruction set computer) Machines FPGA [Field-programmable gate array] dual core processing system. Proprietary operating software makes commanding and control reliable and consistent



### Human Machine Interface HMI

15-inch ultra-high resolution colour touch panel. Various important functions like image capturing, LED background colour change, RGB configuration, shape sorting, grading and many other setting modes to meet the customer demand.



### Smart Background LED

High resolution LED lamp having life more than 50,000 running hours. High brightness and programmable LEDs. Smart LED: Color can be changed by changing the RGB (Red Green Blue) configuration



### Line Filter Separators

Act as extra layer of safety in order to prevent oil and moisture to enter in the input air. It has higher the capacity than regular filters. It helps increasing life of ejector valves. Protect the machine from dust and oil.





Modern days competitive market requires agroindustries to produce grain output of high purity and less contamination. To solve this problem of agro industrialists and millers, we at **AGROGEN PVT. LTD.** are committed to provide our customers new generation grain sorter machines having advanced scanning features so that even tiny defects or errors of the grain can be detected and sorted out.

## We have varieties of Most Advanced Intelligent COLOR SORTER for Sorting any kind of GRAINS



AG-64 Series



AG-160 Series



AG-192 Series



AG-256 Series



AG-320 Series



AG-384 Series



AG-448 Series



AG-512 Series



AG-640 Series

# PRODUCT PARAMETERS

As far as the technology for sorting grains is the prime concern, we provide color sorter for sorting any kind of grains. Our most advance color sorter are come in various parameters that suitable to every millers to get optimum sorting solution. The specification are give as:

Model	No. of Channels	Throughout (T/H)	Power (KW)	Air Pressure (Mpa)	Air Consumption (m3/min)	Weight (kg)	Dimension (mm)
AG-64	64	0.0-0.5	0.3	0.6-0.8	<1	350	955*1630*1550
AG-160	160	1.5-2.5	1.5-1.8	0.6-0.8	<1.8	600	1330*1630*1550
AG-192	192	2.5-4	1.8-2.0	0.6-0.8	<2.5	700	1400*1630*1750
AG-256	256	3-6	2.0-2.5	0.6-0.8	<3.0	900	1650*1630*1750
AG-320	320	4-7	2.5-3.0	0.6-0.8	<3.5	1000	1830*1630*1750
AG-384	384	5-8	3.0-3.5	0.6-0.8	<4.0	1150	2100*1630*1900
AG-448	448	6-9	3.0-4.0	0.8-0.8	<4.5	1300	2400*1630*1900
AG-512	512	6-10	3.5-4.5	0.6-0.8	<5.0	1450	3030*1630*1900
AG-640	640	8-12	4-5.5	0.6-0.8	<6.0	1600	3300*1630*1900



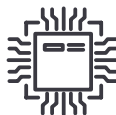
#### Minimalist Design

Optimized structural design  
Technology and aesthetics



#### Cost-effective

Keep it simple  
Meet more customer needs



#### Pure Sorting Performance

Starting from the core,  
strengthening core technology  
promote a new world of  
rice sorting



#### Smart Backup

Color sorting parameters  
Back up at any time,  
Call at any time



#### Feeding protection

More protection  
More Intimate



#### Balanced flow rate control

Cutting flow rate detection  
Timely analysis, timely control



## SORTING APPLICATION



Green Coffee Beans



Black Eye Peas



Urad Daal



Parboiled Rice



Wheat



Peanuts



Chickpeas



Maize



Quinoa



White Rice



Black Cummin Seeds



Lentils



Sesame



Black Beans



Mung Beans



Poppy Seeds



Cashew



Dried Chilli



Peeled Garlic



Walnut Kernels

## AFTER-SALES SERVICE

- To be the best in Customer service is our top most priority and target.
- We adhere to this core principal. We have experienced, dedicated and sensitive service team to understand our customer requirement and adept to provide solutions to them.
- Along with our best-in-industry customer service we also provide professional training & technical guidance to the person related to machine at site.

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# Rotary Air Screw Compressor

## Key Features

- Built with European Quality standards
- Large Pre Filter to increase life of internal components
- Easy access to all components, doors open from all sides



### High Efficiency Combi Cooler

Oversized Coolers designed for High Ambient Temperatures upto 48° C

### Touch Screw Controller

- Large Display Size
- Additional parameters such as amperes/voltage and power displayed for main motor and fan motor
- Consumable lifetime/service due Indicator

### Complete Stainless Steel Piping

- No Rubber Hoses
- Less Maintenance cost

### Energy Efficient Drive

- Specially designed for compressor application Safety protections like Single Phasing "Motor
- Overload, Current imbalance, over voltage, low voltage, High Pressure Tripping"

### High Efficiency Motor

- Permanent Magnet IE4 Efficiency Motor

### Radial Fan

- High Efficiency Radial Fan
- VFD Controlled (25 HP Onwards)
- No Thermostat Fan Start/Stops on the basis of temperature

### Low Speed-Direct Drive Screw Element

- Low Maintenance Cost
- Increased Life of Bearing

### High Efficiency Oil Separator

- Less Oil Carryon

Choose Agrogen to  
Choose Intelligent & Clean  
Air Solution



## ADVANTAGE AND FEATURES

- Permanent magnet motor+efficient two-stage compressor host+permanent magnet frequency conversion control technology, saving 1 kilowatt hour of electricity per cubic meter of compressed air produced by a single low-voltage host 2
- New generation of frequency conversion control system, with pressure fluctuation controlled within  $\pm 0.01\text{Mpa}$ , almost no energy loss caused by pressure rise
- Energy loss caused by non unloading state directly saves 45% of no-load power consumption
- High performance frequency converter, small starting impact, avoid starting overload
- Specially designed frequency conversion cabinet, the operation is still perfect when the temperature reaches 45 °C

## TECHNICAL SPECIFICATIONS

Model	Power (KW/HP)	Pressure Kg/cm <sup>2</sup>	Air Flow CFM	Noise Level db (A)	Compressor Size L x W x H (mm)	Weight Kgs
AG 7-11	7.5/10	8-10	46-32	67	800 x 600 x 1050	310
AG 11-15	11/15	10-8	69-54	69	1000 x 800 x 1310	450
AG 15-18	15/20	10-8	91-76	69	1000 x 800 x 1310	500
AG 18-22	18/25	10-8	114-93	71	1360 x 800 x 1330	650
AG 22-30	22/30	10-8	133-113	71	1360 x 800 x 1330	650
AG 30-37	30/40	10-8	197-166	71	1500 x 1000 x 1450	820
AG 37-45	37/50	10-8	239-204	72	1500 x 1000 x 1450	900
AG 45-55	45/60	10-8	287-247	72	1500 x 1000 x 1450	1080
AG 55-65	55/75	10-8	371-317	73	1800 x 1150 x 1680	1520
AG 65-75	75/100	10-8	511-420	73	2000 x 1210 x 1750	1880

## TYPICAL COMPRESSED AIR SUPPLY SYSTEM

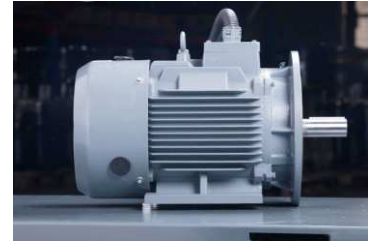


Benefits of

# Permanent Magnetic Motor

The benefits of PERMANENT MAGNET field-excited motors over electromagnetically-excited motors include:

- Higher efficiency since no electrical energy is used or losses incurred for developing or maintaining the motor's magnetic field.
- Higher torque and power density.
- Linear torque speed characteristics that are more predictable.
- Better dynamic performance due to higher magnetic flux density in air gap.
- Simplified construction and essentially maintenance-free.
- More compact size.
- Less bearing current due to large air gap.
- Low temperature due to less rotor losses.
- Ramp up time- shorter, constant power up to maximum speed.



PLC Display



Air Filters



Screw Element



Air End



Direct Drive

High Pressure

# Compressed Air Dryer

Air quality can have a substantial impact on compressed air systems. Properly treated compressed air, and the right air dryer will improve productivity, system efficiency and product or process quality. The appropriate air dryer and compressed air filter is very important. Agrogen air dryer or compressed air filter, are high quality treatment products that will enhance your entire air compressor system. An air dryer is an essential piece in your air treatment system, making Agrogen wide knowledge and expertise in this field a key aspect to the success of your compressed air system. Agrogen has the widest selection of air treatment products and application knowledge to protect your investment and compressed air system.

## Features:

- Environment Friendly
- More Reliability
- Power Saving
- Consistent Dew Point
- Low Pressure Drop
- Compact Design
- Ease of Installation
- Reduce Maintenance





## High Quality of Accessories & Spare Parts



Agrogen is provide high quality accessories, spare part and quality customer service. These spare parts are highly designed to enhance customer efficiency and productivity. We are only a phone call away from the customer to support them.

Agrogen have a stock from electric to gas and from reciprocating to Rotary Screw. We have varied stock of head gasket, valve plate gasket, air filter elements, valve plates, pressure switch and kits, belts, oil filters, check valves, unloaders and many more. Accessories such as start-up kit, auto drain, desiccant are available

## Air Filters

Compressed air contains considerable quantity of solid & oil impurities. These impurities will be the major cause of downtime in compressed air systems. Agrogen with its rich experience provides innovative solutions to produce clean air by means of using sophisticated filtering system. Agrogen Compressed Air Filters are designed to remove solid & oil residue from compressed air system.

### Features:

- These compressed air filters have High quality large filtering media
- These compressed Air Filters have Epoxy resin treated housings
- These compressed air filters are designed for Very low pressure drop
- These compressed air filters have Differential pressure indicators



GET IN TOUCH



## Agro Solution Industries

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