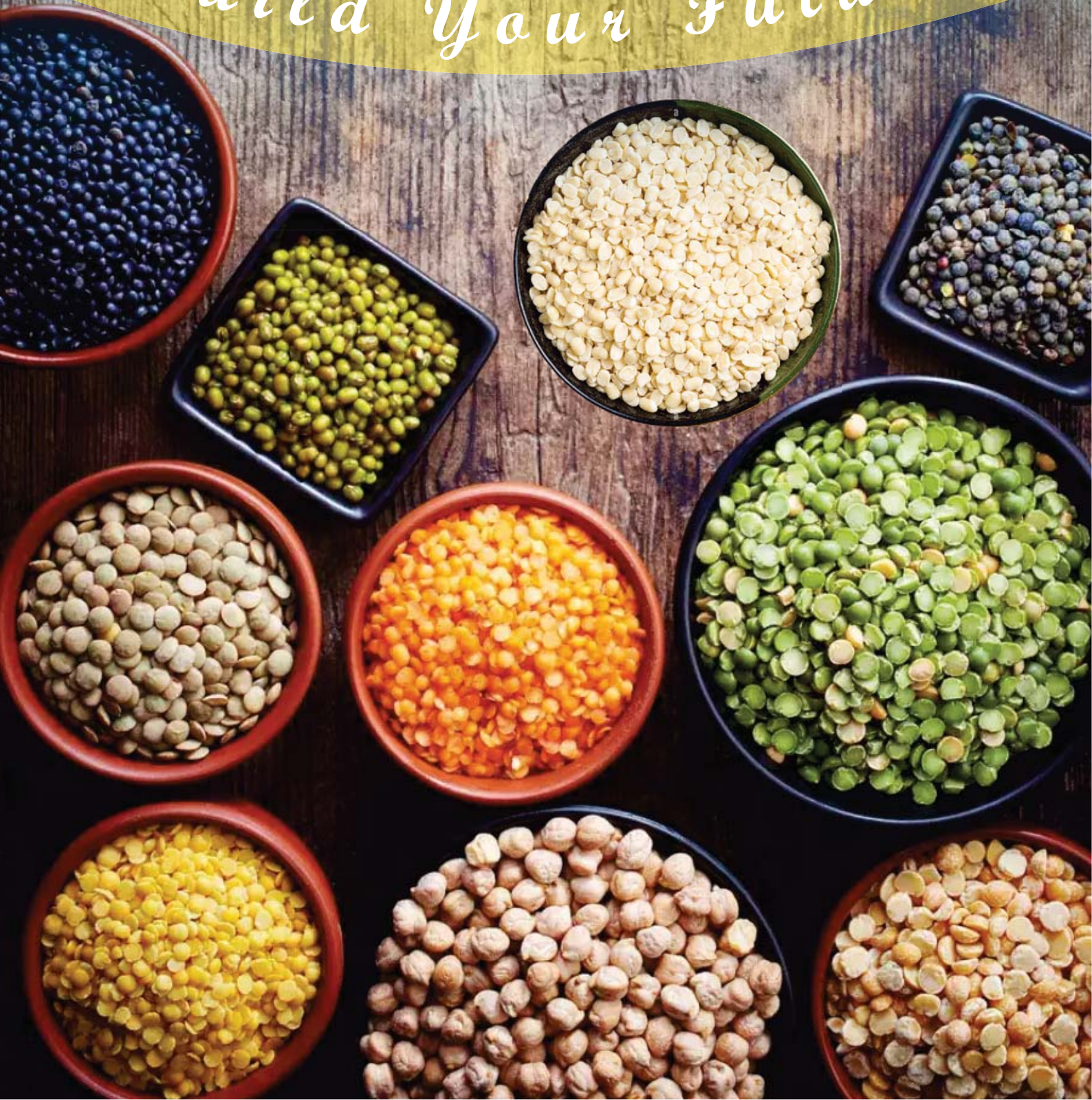




MILLGRAIN

**MILLGRAIN**  
**MACHINERY INDUSTRIES**  
HIGH PERFORMANCE TECHNOLOGIES

*Build Your Future*





## **DAL AND PULSES PROCESSING PLANT**

Quality, nutrition and satisfaction – And makes us lead in the pulse processing machinery production. All that there is – In it! We make it suitable for processing all types of pulses and give you a pollution free processing as well. With precise techniques, avail these healthy pulses for your diet.



**DAL AND PULSES PROCESSING PLANT**



## VIBRATOR CLEANER

The separator classifier is used primarily for grain cleaning in the milling of dal, pulses, millet and rice as well as in storage elevators. It separates coarse and fine impurities from grain via screening and classifies a broad range of materials according to size with its two sieve desks; the separator classifier removes coarse impurities like large kernels, string, straw, wood, stones or clumps of soil, as well as fine impurities such as sand and breakage from the grain. In this way, it provides efficient grain cleaning.

### Specification:

- ❖ Throughput capacities reach up to 1 t/h in cleaning and up to 20 t/h in grain storage.
- ❖ All screens made with GI Material & ball frame for rubber ball Screen cleaning.
- ❖ Built in fan with 7.5 HP motor,
- ❖ Fixed drives with 0.5 HP vibro motor 2nos.





## MILLGRAIN DESTONER

De-Stoner The machine contains heavy standard steel structure with self cleaning double sieve frames and twin imported vibro motors. The De-stoner separates the stones from grain by the way of different material density and fluidizing the grain, stones with the support of an aspiration system. The machine is equipped with oscillating housing with exhaust hood and acrylic view ports.

### Specification:

Vibro motor	0.5 HP
(900 rpm flange mounted)	02 nos 950mm Bran Cyclone
Blower	10hp





## DALL MILL DRYER

All Millgrain circulating type dal dryers are embedded with a CS R computerized moisture meter to ensure precise moisture control. It helps to prevent dal from being over dry or under dry. Keep good dal quality. No weight loss and no waste of fuel, electricity, and drying time.

**Dal Mill Dryer** for Toor Dal , Urid Dal , Chana Dal , Masoor Dal , Moong Dal.

### Specification:

ITEM / Model no	MG-165-150
Capacity	10-16 T
L x W x H	4287 x 2745 x 9080
Fuel	Kerosene or premium diesel
Power	220V / 380V / 440V, 50Hz /60Hz / 7.5 kw
Drying Rate(%/hr)	Chickpea: 1.2-2.0





## DALL ROLLER

High throughput with low power consumption.

Robust machine design.

Delivers a better yield and optimum finish on hulled pulses.

Easy to operate and versatile application on a range of pulse varieties.

### Specification:

Motor	7.5 Hp / 10 Hp
Aspiration	45 m <sup>3</sup> /h
Approx. weight (unpacked)	1200 kg
Capacity	1-2 Tph / 2-4 Tph





## RUBBER POLISHER

Unique and reliable design the grains, pulses, Dals are highly effective as well as non-stop continuous polishing process. Easier operation and less maintenance cost. Retains proteins and natural shine. Compact design, occupies very little space. A minimized power consumption by the way of friction losses. Low noise operation, no wastage of product and no pollution hazard.

### Features:

- ❖ Best polish provided to all types of pulses.
- ❖ Required moisture can be provided by three screw polisher.
- ❖ Buff Polisher provides special shining to all types of pulses.
- ❖ Unskilled labor can also operate.
- ❖ Electric Power 7.5 HP/ 10 HP Three Phase.
- ❖ Required for Shining Polish of All types of Pulses.



MILLGRAIN



## CLASSIFIER

Efficiently removes both coarse and fine impurities including field materials, wood, stones, soil and sand. An aspiration channel is fitted to remove low-density particles such as husk and loose husk.

Available in three models for different capacity requirements .

Fast and easily changeable sieves, wear parts and absence of lubrication points Closed machine design prevents dust and safeguards food safety.

### Specification:

Capacity	1-2
Vibromotor	0.50 / 0.37 - 2 Nos
Voltage	415 / 50
Aspiration	90





## GRAVITY SEPERATOR

**The use a combination of air, vibration & separation based on density difference.** Useful is processing of grains, corn, fine seeds, pulses, oilseeds, cotton seeds and wherever the contamination needs to be separated. Gravity separators are counterbalanced & aerodynamically designed.

In Standard construction With aspiratory feeder for 5 Kgs capacity and Including deck with (GI) wire mesh (10,16 Or 30) of your Choice. Adjustable eccentric rpm, air quantity, feed rate and deck inclination sidewise and lengthwise.

### Specification:

Gravity separator Model MG	3 FAN/ 1 to 2 Tph
Gravity separator Model MG	7 FAN/ 4 to 5 Tph
Motor	5 HP
Blower Fan	2 HP
Feeder Capacity	5 Kgs





## COLOR SORTER

We are counted amongst as the leading manufacturers, exporters and suppliers of excellent quality Color Sorter that is excellent in performance. Offered sorter is highly admired for sorting application with complete accuracy. In order to meet the set industry norm, this sorter is precisely engineered by our diligent professionals by making use of quality assured components and modern technology. Also, this Color Sorter can be availed from us in diverse specifications as per the client's requirement.

### Features:

- ❖ High Performance
- ❖ Smooth Operation
- ❖ Less Maintenance
- ❖ Robust Construction.

### Specification:

2048 Pixel double side view CCD Camera technology High speed ejector valves .

15 Program presets of variety of products 7 channels chutes of variety of products .

4 Channels chutes: 30mm each channels Dimension L X W X H: 53x50x70





## Specification:

Capacity	2 Ton to 3Ton
Automation Grade	Automatic
Electricity Supply	Single Phase
Voltage	220 V
Accuracy	99%
Power Consumption	2.5 Kw
Dimension L X W X H Inches	53x50x70
Color	White Green
Usage / Application	Food Industries
CCD Sensor	Yes
LCD Touch Screen Interface	Yes
Material	MS and SS
Weight	1Ton
Sensor Pixels	5000
Air Consumption	7.4
Channels Chutes	64
Long Grain	Yes



## Accessories :

### CAMERA : LEADING IN THE INDUSTRY



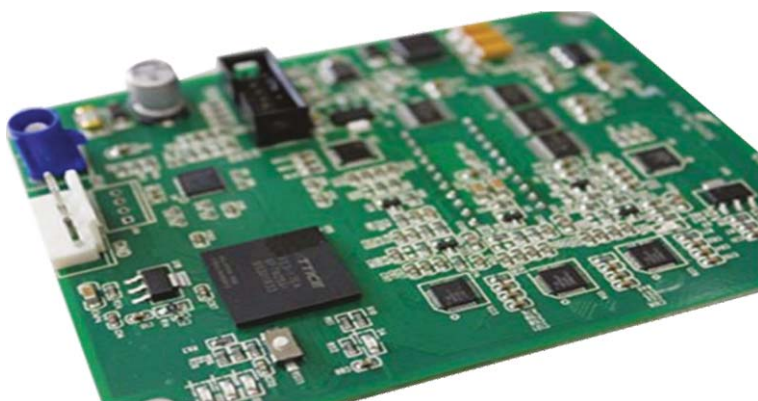
CCD Colored HD Lens camera from Japan Toshiba be able to provide HD Image as high as 190. Million pixels per second, 0.06mm Ultra - High resolution in maximum with high end customized. HD Lens, the resolution is improved over 30%.

### PRECISE SOLENOID VALVE :

- Quick : Response in 01 ms
- Accurate : Accurately pick out the damage material
- Small : Low Air Consumption
- Low : Low Power Consumption



### INTELLIGENT IMAGE PROCESSING ALGORITHM :



The Combination of Colors and shapes of the intelligent algorithm leading role in India.

The Processional Sorting solutions Algorithm is complete and one of the successful encoding level.



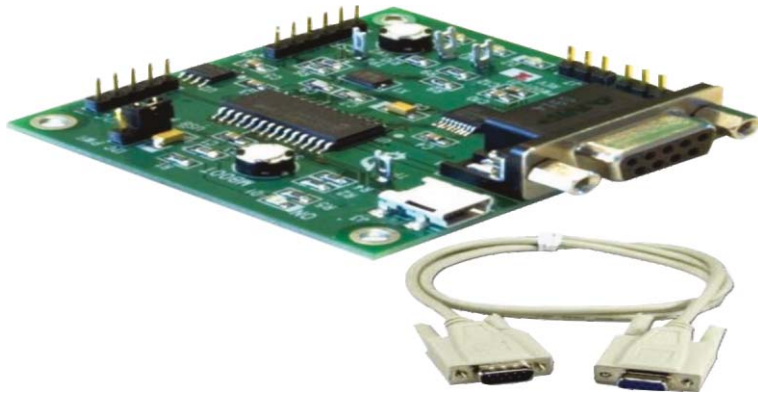
## ILLUMINATION SYSTEM : IMPORT PURCHASING

### Even Illumination :

Accurate Dimming Power and Energy saving Long Service life with free of Maintenance.



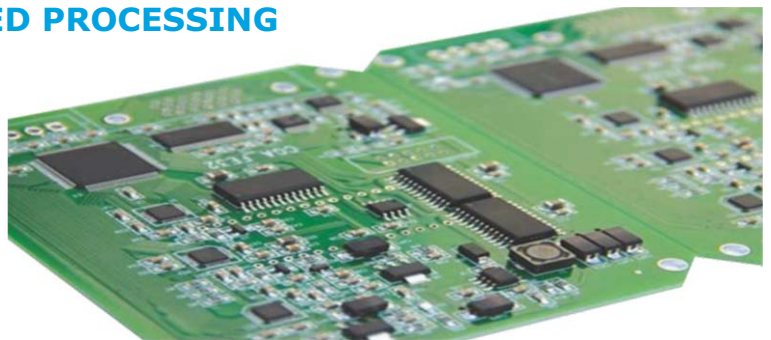
## DATA TRANSMISSION SYSTEMS : HIGH SPEED AND STABLE



Data transmission system is with stable automobile level highspeed communication systems. The Rate is improved for 4 Times than before.

## SOC : INNOVATIVE ULTRA HIGH SPEED PROCESSING

SOC is with outstanding high performance and low power consumption. Highest bandwidth and integration density in the industry. The Processing ability is improved for 5 times than before.



## FEED TROUGH : A SPECIAL TECHNOLOGY

Application of High Quality 300 mm ultra wide trough in India. Special Anodization treatment process ensures the required production in line with the international first class level.

Cascading flat plate and narrow chute channel

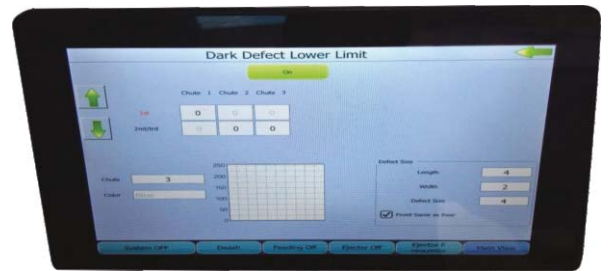


MILLGRAIN

COLOR SORTER

## HUMAN - COMPUTER INTERFACE : SIMPLE & EASY TO OPERATE

More Intelligent, easy operation. One button for professional sorting, remote debugging, remote diagnosis, remote software upgrading.

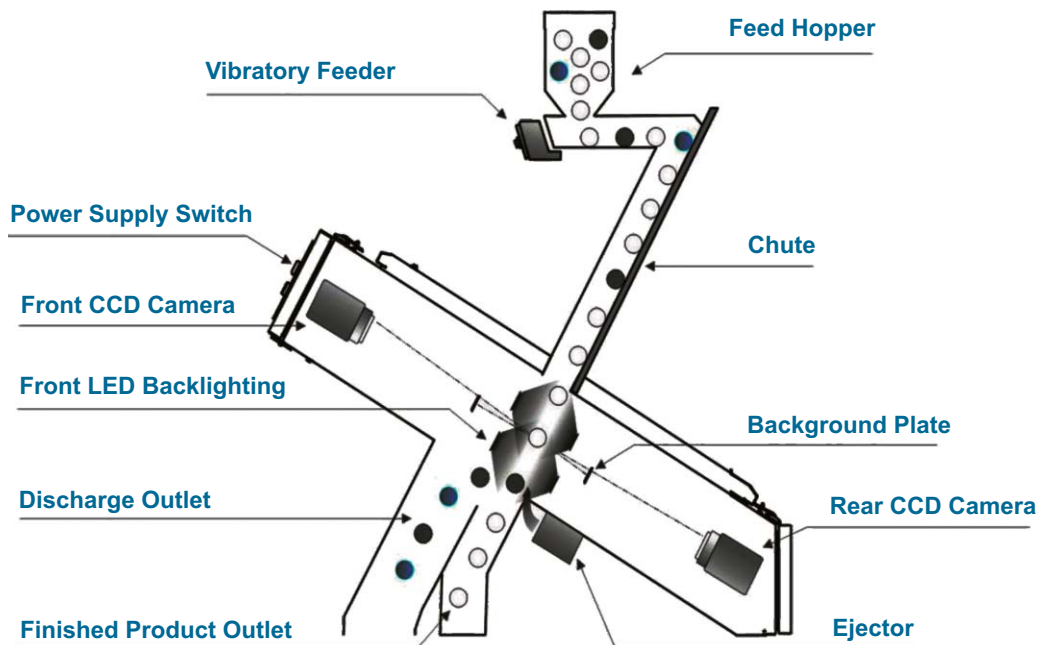


## HIGH RELIABILITY :



The Mechanical structure is designed for reliability and stability. The Cooling Systems in the machine to improve the service life and stability of the machine. The Electrical and optical design system is meant for simplicity and efficiency. This Optimized systems deduce the complexity of the machine and improves its reliability.

## STRUCTURE SCHEMATIC :





## PACKING MACHINE

- ❖ The packaging machine is the central core of a packaging system. The packaging is usually the final layer that covers a product above the package.
- ❖ Its integrity throughout the industrial and commercial process.

### Specification:

Packing Speed	15/40 pkts/min.
Feeding	Volumetric Cup Filler
Material	GRANULES
Accuracy	5 to 8 gms
Sealing Systems	Countinuous Sealing
Range	0.5 to 5 kg
Packing Material	Laminated Films
Material Construction	All parts coming into contact to Products are made by SS 304 and Other are mild Steel duly painted
Machine Control System	Micro Controller / pic with touch screen
Automatic Grade	Automatic
L x W x H	1000 x 850 x 2100 mm
Power Consumption	Motor 0.5 hp – 2 nos
Power Supply	220 v A.C. Single Phase Stabilized





## **DALL ROASTER**

We offer superior quality of this roasting machine, and roasted Chana Dals from these automated machines are included in the basic diet of every household in India. Roasting machine offered by us, split the sprouts and legumes into two. Further, these pulses are processed by the machines as per the needs of the consumers. , we understand that our machines should hold the nutritious value of Chana dals even after processing. Roasters made by us, retains the proteins and amino acids in Chana dal during their processing.

Capacity Available 200 kg to 1 TPH.



**MILLGRAIN**

**DALL ROASTER**



MILLGRAIN

## **MILLGRAIN MACHINERY INDUSTRIES**

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