NICE TECH ENGG

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# PRODUCT CATALOGUE

**Paddy Cleaner, Destoner,**
**Length Grader, Thickness Grader**
**Vibro Cleaner, Shifter (Mini),**
**Centifugal, Paddy Separator**
**Elevator, Conveyor,**
**Cyclone, Bowler Etc.**

**Manufacture, Exporter & Supplier of**
**Extensive Range of Agro Processing Machinery**
**Integrated Sustems and Customized Engineered**
**Solution for Processing Grain & Seeds,**
**Specialzing in Rice Milling machine**

# PRE CLEANER DD



*The Main function of this pre cleaner is to remove oversized and undersized impurities such as stones sand from the paddy. This also removes other impurities such as dust and straw.*

## Advantages

- *Equipped with a highly efficient suction blower.*
- *Designed to accommodate easily removable trays.*
- *Relives on downstream machines and conveyors*
- *Provided with conveyors system which easily discharge immature paddy.*

## Technical Specifications

| Code No. | Product Name | Capacity on Paddy | Power Recommended | Dimension (LxBxH in mm) |
|---|---|---|---|---|
| Dd001 | PRE CLEANER D-D | 8-10 Ton/Hr | 7.5Hp/2800rpm, 2HP/1440rpm | 3000x1200x3100 |
| DD002 | PRE CLEANER D-D | 12-14 Ton/Hr | 7.5Hp/2800rpm, 3HP/1440rpm | 3000x1500x3100 |
| DD003 | PRE CLEANER D-D | 16-18 Ton/Hr | 10 Hp/2800rpm, 3HP/1440rpm | 3100x1700x3200 |
| DD004 | PRE CLEANER T-D | 22/24 Ton/Hr | 10 Hp/2800rpm, 3HP/1440rpm | 3100x1500x3800 |
| DD005 | PRE CLEANER T-D | 26/28 Ton/Hr | 10 Hp/2800rpm, 5HP/1440rpm | 3100x1700x3800 |

# FINE CLEANER DV



*The Main function of this rice cleaner is to remove oversized and undersized impurities such as stones sand from the rice. This also removes other impurities such as dust and straw.*

## Advantages

- *Equipped with a highly efficient suction blower.*
- *Designed to accommodate easily removable trays.*
- *Relives on downstream machines and conveyors*
- *Provided with conveyors system which easily discharge immature paddy.*

## Technical Specifications

| Code No. | Product Name | Capacity on Paddy | Speed | Power Recommended | Dimension (LxBxH in mm) |
|---|---|---|---|---|---|
| SNFC1 | FINE CLEANER S-D | 4-6 Ton/Hr | 315 | 5 Hp/2800rpm, 2HP/1440rpm | 3000x1000x2600 |
| SNFC2 | FINE CLEANER S-D | 6-8 Ton/Hr | 315 | 5 Hp/2800rpm, 2HP/1440rpm | 3000x1200x2600 |
| SNFC3 | FINE CLEANER S-D | 8-10 Ton/Hr | 315 | 7.5 Hp/2800rpm, 2HP/1440rpm | 3000x1500x2800 |
| SNFC4 | FINE CLEANER S-D | 10-12 Ton/Hr | 315 | 7.5 Hp/2800rpm, 3HP/1440rpm | 3000x1700x2800 |

# MULTI GRADER



*Grader is used to separate rice on the basis of thickness, Multiple sieves are stacked upon each other, with bigger hole size at the top and then whole sizes gets smaller with hierarchy. The grain is fed from the top on to a continuously rotating machine, which in turn separate the broken rice as its diameter from whole rice.*

## Advantages

- *Effecient grading bythickness with multi choice Screen grader*
- *It removes tips, small broken, medium broken from rice seperately in single process*

## Technical Specifications

| Code No. | Product Name | Capacity on Rice | Power Recommended | Dimension (LxBxH in mm) |
|---|---|---|---|---|
| MST125/4 | Multi Grader | 3-4 Ton/Hr | Motor - 2Hp/1.5kw-960RPM | 1250x1450x1500 |
| MST150/4 | Multi Grader | 6-8 Ton/Hr | Motor - 3Hp/2.5kw-1440RPM | 1250x1450x1700 |

# VIBRO CLASSIFIER

*The Main function of this pre-cleaner is to remove oversized and undersized impurities such as stones and sand from the paddy. This also removes other impurities such as dust and straw.*



## Advantages

- *Equipped with highly efficient suction blower.*
- *Designed to accommodate easily removable trays.*
- *Provided with air aspiration system which easily discharges immature paddy.*

### Technical Specifications

| Code No. | Product Name | Capacity on Paddy | Power Recommended | Dimension (LxBxH in mm) |
|---|---|---|---|---|
| VPC001 | VIBRO PRE-CLEANER | 4-5 Ton/Hr. | 0.5 x 2No's | 2200x1000x1400 |
| VPC002 | VIBRO PRE-CLEANER | 6-8 Ton/Hr. | 0.5 x 2No's | 2200x1200x1400 |
| VPC003 | VIBRO PRE-CLEANER | 9-10 Ton/Hr. | 0.1 x 2No's | 2400x1500x1600 |
| VPC004 | VIBRO PRE-CLEANER | 11-12 Ton/Hr. | 0.1 x 2No's | 2400x1700x1600 |



# VIBRO PADDY DESTONER

*The machine is designed to clean impurities like dust and paddy size impurities in the paddy. This Machine functions effectively when the paddy is already pre-cleaned.*

## Advantages

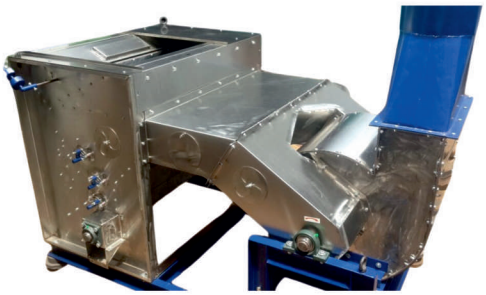
- *Equipped with Superior quality vibro motors.*
- *Inclination of machine can be easily customized.*
- *Vibration force can be easily adjusted.*

### Technical Specifications

| Code No. | Product Name | Capacity on Paddy | Speed RPM | Power Recommended | Dimension (LxBxH in mm) |
|---|---|---|---|---|---|
| VPD001 | VIBRO PADDY DESTONER | 4 Ton/Hr. | 960 | 05 x 2 No's | 1200x1000x1400 |
| VPD002 | VIBRO PADDY DESTONER | 6 Ton/Hr. | 960 | 05 x 2 No's | 1200x1200x1400 |
| VPD003 | VIBRO PADDY DESTONER | 8 Ton/Hr. | 960 | 1 x 2 No's | 1300x1500x1600 |
| VPD004 | VIBRO PADDY DESTONER | 12 Ton/Hr. | 960 | 1 x 2 No's | 1300x1700x1600 |

# HUSK SEPARATOR

*The Main function of this machine is to separate husk from the shelled paddy. Shelled paddy is allowed to flow through specially designed arrangement of flops.*



## Advantages

- *Equipped with a powerful blower for husk separation.*
- *Immature paddy is separated via a conveyer.*

### Technical Specifications

| Code No. | Product Name | Capacity on Paddy | Speed RPM | Power Recommended | Dimension (LxBxH in mm) |
|---|---|---|---|---|---|
| HSF001 | HUSK SEPARATOR | 3 Ton/Hr. | 1440 | 3 HP/1440 RPM | 2400x1200x1200 |
| HSF002 | HUSK SEPARATOR | 4 Ton/Hr. | 1440 | 5 HP/1440 RPM | 2400x1200x1200 |
| HSF003 | HUSK SEPARATOR | 6 Ton/Hr. | 1440 | 5 HP/1440 RPM | 2400x1400x1200 |

# PADDY SEPARATOR



*The Main function of thios machine is to separate brown rice from paddy. The machine works on the principal of gravity and seperates the fee into 3 parts: (I)Brown Rice (ii) Paddy (iii) Mixture of paddy and Brown Rice.*

## Advantages

- *Complete automation Capability with sensor.*
- *Higher Efficiency with lower power consumption*
- *Easy to operate and low maintenance costs.*

### Technical Specifications

| Code No. | Product Name | Capacity on Paddy | Speed | Power Recommended | Dimension (LxBxH in mm) |
|---|---|---|---|---|---|
| PS001 | PADDY SEPARATOR S.D | 4 Ton/Hr. | 280 rpm | 2 hp /960 RPM | 1200x1810x1500 |
| PS002 | PADDY SEPARATOR D.D | 8 Ton/Hr. | 280 rpm | 3 hp /960 RPM | 1200x1810x1500 |
| PS003 | PADDY SEPARATOR D.D | 12 Ton/Hr. | 280 rpm | 5 hp /960 RPM | 1400x1810x1600 |

# RICE DESTONER



*This macbine is used to eliminate the impurities like stone and clay particles from bran free finished rice. The design of this machine is based on gravitational principles and it is advised to install it after final polished rice.*

## Advantages

- *Compact in design and consumes less power.*
- *Equipped with regular time intervals.*
- *Low maintenance and easy to operate.*

### Technical Specifications

| Code No. | Product Name | Capacity on Paddy | Power Recommended | Dimension (LxBxH in mm) |
|---|---|---|---|---|
| RD001 | RICE DESTONER | 3 Ton/Hr. | 1.5 Hp/935 RPM | 1000x1000x1200 |
| RD002 | RICE DESTONER | 4 Ton/Hr. | 2 Hp/935 RPM | 1000x1200x1200 |
| RD003 | RICE DESTONER | 5 Ton/Hr. | 3 Hp/935 RPM | 1000x1500x1350 |

# RICE SIZER



*This machine is designed for separation of thick and thin rice. This machine is equipped with SS wire screen and spiral nylon brushes for self cleaning of screen. This machine also separates charred rice, small tips, small ad broken half broken from head rice.*

## Advantages

- *Designed with easily removable screen system.*
- *Designed to reduce load on the color sorter.*
- *A geared motor with timing belt drive to avoid transmission losses by slippage.*
- *Suitable for raw, Steam and parboiled rice.*

### Technical Specifications

| Code No. | Product Name | Capacity on Paddy | Power Recommended | Dimension (LxBxH in mm) |
|---|---|---|---|---|
| RS001 | RICE SIZER | 4 Ton/Hr. | 2 Hp/1440 RPM | 2400x1000x1400 |
| RS002 | RICE SIZER | 6 Ton/Hr. | 3 Hp/1440 RPM | 2400x1000x1800 |

# BUCKET ELEVATOR



*The main function of this machines is to transport the grains from one location to the next location. This elevator is designed to get positive discharge with optimum output at slow speed.*

## Advantages

- *Designed to get optimum output at slow speed with positive discharge*
- *Equipped with spoke pulley for better performance at the bottom deck.*
- *Easy to erect and consumes less power.*

### Technical Specifications

| Code No. | Product Name | Capacity on Paddy | Power Recommended | Bucket Inch |
|---|---|---|---|---|
| BKT01 | BUCKET ELEVATOR | 4 Ton/Hr. | 1 Hp/1410 RPM | 4 Inch |
| BKT01 | BUCKET ELEVATOR | 6 Ton/Hr. | 1 Hp/1410 RPM | 6 Inch |
| BKT01 | BUCKET ELEVATOR | 8 Ton/Hr. | 1.5 Hp/1410 RPM | 7 Inch |
| BKT01 | BUCKET ELEVATOR | 10 Ton/Hr. | 2 Hp/1410 RPM | 8 Inch |
| BKT01 | BUCKET ELEVATOR | 12 Ton/Hr. | 2 Hp/1410 RPM | 10 Inch |
| BKT01 | BUCKET ELEVATOR | 14 Ton/Hr. | 3 Hp/1410 RPM | 12 Inch |
| BKT01 | BUCKET ELEVATOR | 18 Ton/Hr. | 3 Hp/1410 RPM | 14 Inch |

# RICE LENGTH GRADER



*This machine is specially designed to separae broken rice from head rice based on length of the input grain.*

## Advantages

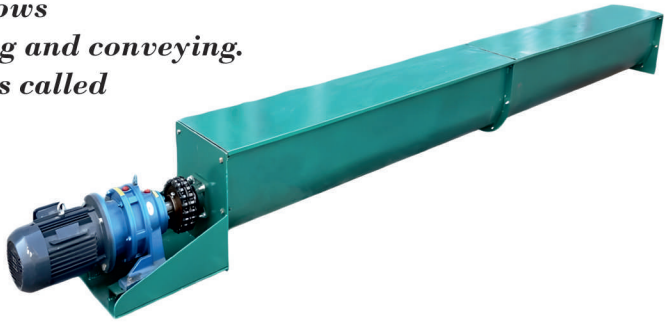
- *Equipped with adjustable collection*
- *Tray to ensure best Separation*
- *Equipped with a brush to clean the indents.*
- *Equipped with easily removable two half screens.*

### Technical Specifications

| Code No. | Product Name | Capacity on Paddy | Power Recommended | Dimension (LxBxH in mm) |
|---|---|---|---|---|
| RLG01 | RICE LENGTH GRADER | 1 Ton/Hr. | 1 Hp/1440 RPM | 2500x600x800 |
| RLG02 | RICE LENGTH GRADER | 2 Ton/Hr. | 2 Hp/1440 RPM | 3600x800x1000 |
| RLG03 | RICE LENGTH GRADER | 3 Ton/Hr. | 3 Hp/1440 RPM | 4000x900x1100 |

# SCREW CONVEYOR

*Screw Conveyor can be operated with the flow of material inclined upward. Whne Space allows this is a very economical methopd of elevating and conveying. The roating part of the conveyor is sometimes called simply an auger.*



## Specifications

| | | |
|---|---|---|
| *Speed* | : | *3 m/s* |
| *Automation* | : | *Automatic* |
| *Usage* | : | *Material Handling* |
| *Material* | : | *Stainless Steel* |
| *Length* | : | *upto 15 feet* |
| *Belt Width* | : | *18 inches* |
| *Capacity* | : | *50 kg/ft* |

# CHAIN CONVEYOR

*Chain Conveyors are used for moving products down an assembly line and/or around a manufacturing or warehousing facility. Chain conveyors are primarily used to transport heavy unit of loads, e.g. pallets, grid boxes, and industrial containers. These Conveyors can be single or double chain strand in configuration.*



## Specifications

| | |
|---|---|
| *Material Handling Capacity* | *: 100- 150 kg per feet* |
| *Type* | *: Natural Holes* |
| *Material* | *: Stainles Steel* |
| *Length* | *: 20- 40 feet* |
| *Automation* | *: Automatic* |

# BELT CONVEYOR

*Rice Milling machines: Rice milling belt conveyors are used to transport large quntities of rice from storage bins or silos to the different processing stages within rice milling machines. They Facilitate the transfer of rice from cleaning process to the milling, Polishing Grading and packaging stages*



## Specifications

| | | |
|---|---|---|
| *Material Handling Capacity* | : | *upto 500 Kg.* |
| *Type* | : | *Stainless Steel* |
| *Length* | : | *15 ft.* |
| *Automation* | : | *Automatic* |

# RICE BRAN MACHINE

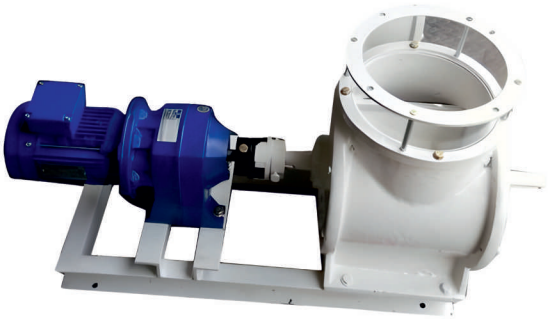


*Reel Machine is known for its superior design, rugged construction, accurate performance and reduced running costs. their much acknowledged features are derived from the superior crafting done by our highly qualified ans skilled professionals*

## Technical Specifications

| Code No. | Product Name | Capacity on Paddy | Power Recommended | Dimension (LxBxH in mm) |
|---|---|---|---|---|
| RBM001 | RICE BRAN MACHINE | 4 Ton/Hr | 1.5 hp/935 RPM | 2032x1000x1400 |
| RBM002 | RICE BRAN MACHINE | 6 Ton/Hr | 2 HP / 935 RPM | 2540x1000x1400 |
| RBM003 | RICE BRAN MACHINE | 8 Ton/Hr | 3 HP/935 RPM | 3048x1000x1400 |

# BRAN DISCHARGE AIR LOCK

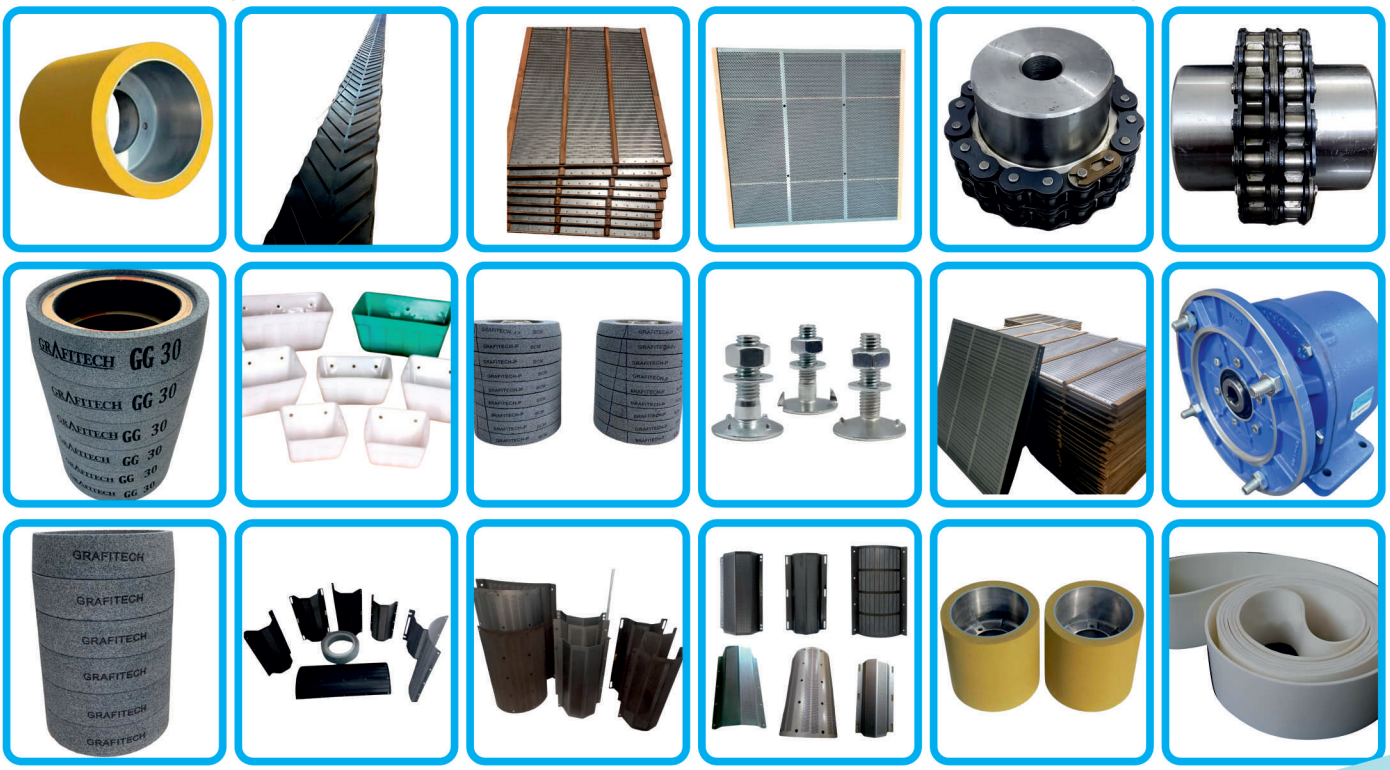


*The offered Air Lock Machine is extensively used in various suitable applications such as in specific situation like dry free-flowing powders, granules crystals and pellets. Air Lock Machine is known for its premium quality and high durability.*

## Advantages

- *Built to withstand harsh operating conditions.*
- *Ensures Consistent and controlled material flow*
- *Prevents Contamination and maintains system efficiency.*

# SPARE PARTS







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