

NOVA Infrasyys

Manufacturer, Exporter & Supplier

of Extensive range of Agro Processing Machinery,
integrated systems and customized engineered
solution for processing grain and seeds,
specializing in Rice Milling Machine.



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Drum Sieve

Drum sieve machine is useful for cleaning grains to detach unwanted particles, such as straw particles, string, paper, pieces of wood, leaves, etc. Industrial Drum Sieve Machine releases downstream machines and conveyors. It also defends them against working faults and damages to other machines. A drum sieving machine can be used for all types of grains. This machinery is also appropriate for the accomplishment of certain cleaning operations.



Advantages:

- Versatile and can be used for all kinds of intakes.
- Serves to separate coarse impurities.
- Relieves on downstream machines and conveyors.
- Defends other machines against operating faults and damages.
- Also suitable for performing certain cleaning operations.

Technical Specification:

Code No.	Product Name	Capacity on Paddy	Power Recommended	Dimension (L*B*H in mm)
NIDRS08	DRUM SIEVE	8 Ton/Hr.	2HP+5HP+1HP	NA
NIDRS12	DRUM SIEVE	12 Ton/Hr.	3HP+7.5HP+1.5HP	NA
NIDRS16	DRUM SIEVE	16 Ton/Hr.	5HP+10HP+2HP	NA

Pre Cleaner



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.
- Relieves on downstream machines and conveyors.
- Provided with conveyor system which easily discharge immature paddy.

Technical Specification:

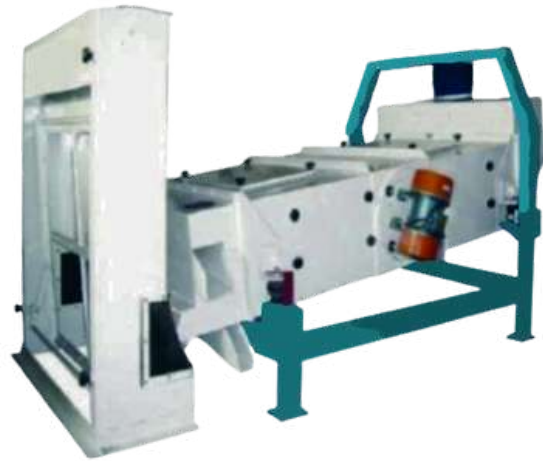
Code No.	Product Name	Capacity	Speed	Power Recommended	Dimension (L*B*H in mm)
NIPCSD-5	PRE-CLEANER SINGLE DECKER	5-6 Ton/Hr.	300	5 & 2 HP	NA
NIPCSD-10	PRE-CLEANER SINGLE DECKER	10 Ton/Hr.	300	7.5 & 2 HP	NA
NIPCDD-20	PRE-CLEANER DOUBLE DECKER	20 Ton/Hr.	300	10 & 2 HP	NA
NIPCDD-30	PRE-CLEANER DOUBLE DECKER	30 Ton/Hr.	300	15 & 3 HP	NA
NIPCDD-50	PRE-CLEANER DOUBLE DECKER	50 Ton/Hr.	300	20 & 5 HP	NA
NIPCDD-60	PRE-CLEANER DOUBLE DECKER	60 Ton/Hr.	280	20 & 5 HP	NA
NIPCTD-75	PRE-CLEANER TRIPLE DECKER	75 Ton/Hr.	200	20 & 7.5 HP	NA

Vibro Classifier

The main function of this Classifier 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 a highly efficient suction blower.
- Designed to accommodate easily removable trays.
- Provided with an air aspiration system which easily discharges immature paddy.



Technical Specification:

Code No.	Product Name	Capacity	Power Recommended	Dimension (L*B*H in mm)
NIVPC-1000	VIBRO CLASSIFIER	4-5 Ton/Hr.	0.5 x 2 No's	NA
NIVPC-1200	VIBRO CLASSIFIER	6-8 Ton/Hr.	0.5 x 2 No's	NA
NIVPC-1500	VIBRO CLASSIFIER	10-12 Ton/Hr.	1 x 2 No's	NA

Vibro Destoner



The machine is designed to clean impurities like dust size impurities in the Grains. This machine functions effectively when the grains 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 Specification:

Code No.	Product Name	Capacity	Power Recommended	Dimension (L*B*H in mm)
NIVD-1050	VIBRO DESTONER	4-5 Ton/Hr.	0.5 x 2 No's	NA
NIVD-1200	VIBRO DESTONER	6-8 Ton/Hr.	0.5 x 2 No's	NA
NIVD-1500	VIBRO DESTONER	10-12 Ton/Hr.	1 x 2 No's	NA

Pneumatic Husker and Vibrator

The machine is used for de-husking paddy and is fitted with two rubber rolls that run in opposite directions. Because of the friction developed in the crushing chamber, the machine offers up to 95% efficiency in shelling.

Advantages:

- Installed with a sensor which automatically activates and deactivates the shelling system.
- Equipped with a moveable arm which moves closer to the fixed arm based on the pressure setting.
- Machine is equipped with both automatic and manual modes.



Technical Specification:

Code No.	Product Name	Capacity	Speed	Power Recommended	Dimension (L*B*H in mm)
NIPH	PNEU. HUSKER	3 Ton/Hr.	1270	10 HP/1440 RPM	NA
NIPHV	PNEU. HUSKER VIBRO	4 Ton/Hr.	1270	12.5 HP/1440 RPM	NA
NIPHP	PADDY PNEU. HUSKER	6 Ton/Hr.	1270	15 HP/1440 RPM	NA

Husk Aspirator



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

Advantages:

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

Technical Specification:

Code No.	Product Name	Capacity	Speed	Power Recommended	Dimension (L*B*H in mm)
NIHA3F	HUSK ASPIRATOR	3 Ton/Hr.	1100	3 HP/1440 RPM	NA
NIHA4F	HUSK ASPIRATOR	4 Ton/Hr.	1292	5 HP/1440 RPM	NA
NIHA6F	HUS ASPL. JUMBO	5 Ton/Hr.	1292	5 HP/1440 RPM	NA

Paddy Separator

The main function of this machine is to separate brown rice from paddy. The machine works on the principle of gravity and separates the feed into 3 parts:

- (i) Brown Rice
- (ii) Paddy
- (iii) Mixture of Paddy and Brown Rice

Advantages:

- Complete automation capability with a sensor.
- Higher efficiency with lower power consumption.
- Easy to operate and low maintenance costs.



Technical Specification:

Code No.	Product Name	Capacity on Paddy	Speed	Power Recommended	Dimension (L*B*H in mm)
NIPSS00	PADDY SEPARATOR	2 Ton/Hr.	280 RPM	2HP/960RPM	NA
NIPSS01	PADDY SEPARATOR	3 Ton/Hr.	280 RPM	2HP/960RPM	NA
NIPSS02	PADDY SEPARATOR	4 Ton/Hr.	280 RPM	2HP/960RPM	NA
NIPSB00	PADDY SEP. BUTTERFLY	6 Ton/Hr.	280 RPM	3HP/960RPM	NA
NIPSB01	PADDY SEP. BUTTERFLY	8 Ton/Hr.	280 RPM	3HP/960RPM	NA

Rice Destoner



The machine is used to eliminate 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 Specification:

Code No.	Product Name	Capacity on Paddy	Power Recommended	Dimension (L*B*H in mm)
NIRDS	RICE DESTONER	3 Ton/Hr.	1.5 HP/1440 RPM	NA
NIRDD	RICE DESTONER	6 Ton/Hr.	3 HP/1440 RPM	NA

Rice Whitener VX Series

This next generation whitener is specially designed to give better degree of whiteness and maximum yield of head rice. This machine is the latest innovation from NOVA INFRASYS and is the result of cutting edge research and development.

Advantages:

- Better yield of head rice with reduction in broken rice.
- High degree of polish with uniform whiteness.
- Equipped with self-cooling mechanism.
- Easy to operate and maintain.



Technical Specification:

Code No.	Product Name	Capacity on Paddy	Speed	Power Recommended	Dimension (L*B*H in mm)
NIRWWX00	RICE WHITENER	3 Ton/Hr.	900 RPM	30 HP/1440 RPM	NA
NIRWWX01	RICE WHITENER	4 Ton/Hr.	870 RPM	40 HP/1440 RPM	NA
NIRWWX02	RICE WHITENER	5 Ton/Hr.	790 RPM	50 HP/1440 RPM	NA

Silky Master Jumbo



Silky Master Jumbo machines are the latest generation machines that give best quality polishing to rice and give a silky smooth finish to the rice grain. A special device provided with spray gun to get mist form with compressed air and water, it gives superior quality of smooth and silky rice.

Advantages:

- Gives full silky finish to the rice.
- Equipped with a special spray gun to give uniformly silky rice.
- Suitable for raw, steam and boiled rice and gives high degree of finish to the rice.

Technical Specification:

Code No.	Product Name	Capacity on Paddy	Speed	Power Recommended	Dimension (L*B*H in mm)
SM00A	SILKY MASTER	3 Ton/Hr.	822 RPM	40 HP/960 RPM	1632x680x1435
SMJ00	SILKY MASTER JUMBO	4 Ton/Hr.	840 RPM	60 HP/870 RPM	2150x730x1600
SMJ01	SILKY MASTER JUMBO	6 Ton/Hr.	840 RPM	75 HP/870 RPM	2150x810x1950

Rice Sizer Ultra

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

Advantages:

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



Technical Specification:

Code No.	Product Name	Capacity on Paddy	Speed	Power Recommended	Dimension (L*B*H in mm)
NIRSU03	RICE SIZER ULTRA	3 Ton/Hr.	160 RPM	2HP/1440 RPM	NA
NIRSU04	RICE SIZER ULTRA	4 Ton/Hr.	160 RPM	2HP/1440 RPM	NA
NIRSU06	RICE SIZER ULTRA	6 Ton/Hr.	160 RPM	3HP/1440 RPM	NA

Rice Grader

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



Advantages:

- Equipped with an adjustable collection tray to ensure the best separation.
- Equipped with a brush to clean the indents.
- Equipped with two easily removable half screens.

Technical Specification:

Code No.	Product Name	Capacity on Paddy	Speed	Power Recommended	Dimension (L*B*H in mm)
NIRG-1	RICE GRADER MINI	1 Ton/Hr.	54 RPM	1HP/1440 RPM	NA
NIRG-3	RICE GRADER BIG 3T	3 Ton/Hr.	28-38 RPM	2HP/1440 RPM	NA

Rice Sifter

This next-generation sifter is specially designed to efficiently separate broken rice from head rice. This machine is the latest innovation from NOVA INFRASYS and is the result of cutting-edge research and development.

Advantages:

- Designed with a sophisticated multi-stage separation system.
- Designed with an easily removable tray system.
- Equipped with rubber bouncing balls to prevent clogging of screens.



Technical Specification:

Code No.	Product Name	Capacity on Paddy	Speed	Power Recommended	Dimension (L*B*H in mm)
NIRS-2	RICE SIFTER	2 Ton/Hr.	158 RPM	1.5 HP/2800 RPM, 2 HP/960 RPM	NA
NIRS-4	RICE SIFTER	4 Ton/Hr.	158 RPM	2 HP/2800 RPM, 2 HP/960 RPM	NA
NIRMG-4	RICE MULTI GRADER	4 Ton/Hr.	158 RPM	2 HP/2800 RPM, 2 HP/960 RPM	NA

Bucket Elevator



The main function of this machine is to transport the grains from one location to another. This elevator is designed to provide positive discharge with optimum output at a slow speed.

Advantages:

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

Technical Specification:

Code No.	Product Name	Capacity	Speed	Power Recommended	Dimension (L*B*H in mm)
NIBE-5	BUCKET ELEVATOR	5 Ton/Hr.	82 RPM	NA	NA
NIBE-10	BUCKET ELEVATOR	10 Ton/Hr.	82 RPM	NA	NA
NIBE-20	BUCKET ELEVATOR	20 Ton/Hr.	82 RPM	NA	NA
NIBE-30	BUCKET ELEVATOR	30 Ton/Hr.	82 RPM	NA	NA
NIBE-50	BUCKET ELEVATOR	50 Ton/Hr.	82 RPM	NA	NA
NIBE-80	BUCKET ELEVATOR	80 Ton/Hr.	82 RPM	NA	NA
NIBE-100	BUCKET ELEVATOR	100 Ton/Hr.	82 RPM	NA	NA
NIBE-150-350	BUCKET ELEVATOR	150-350 Ton/Hr.	NA	NA	NA

Screw Conveyor

A screw conveyor is a mechanism that uses a rotating helical screw blade, usually within a tube, to move liquid or granular materials. They are used in many bulk handling industries.

Screw conveyors in modern industries are often used horizontally or at a slight incline as an efficient way to move semi-solid materials, including food waste, cereal grains, animal feed, meat and bone meal, municipal solid waste, and many others. They usually consist of a trough or tube containing either a spiral blade coiled around a shaft, driven at one end and held at the other, or a "shaftless spiral", driven at one end and free at the other.

Screw conveyors can be operated with the flow of material inclined upward. When space allows, this is a very economical method of elevating and conveying. The rotating part of the conveyor is sometimes called simply an auger.



Chain Conveyor



Chain Conveyors are used to transport bulk materials, such as cereals, pellets, and ground materials with a controlled flow. The conveyors provide a uniform and consistent mass flow and offer the following advantages:

- This unit is constructed, sealed, and has a wide choice of possible configurations: horizontal, inclined, with bends, alternative types of drives, inlets, and outlets pre-positioned as required.
- Minimum residue left, easy to build, and compact design.
- It is used in different configurations to suit various products and requirements: single direction, transfer, double deck, reversible, discharge.
- Widely used for white food quality paint, hot-dipped galvanizing. It is robust and very economical in usage.

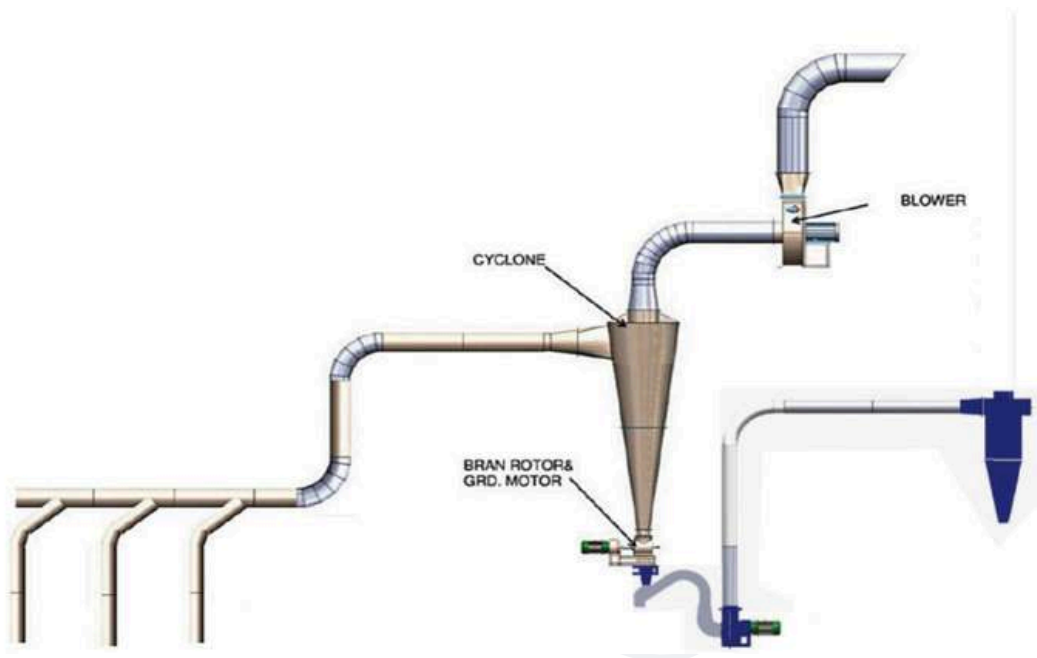
Technical Specification:

Code No.	Product Name	Capacity	Speed	Power Recommended	Dimension (L*B*H in mm)
NICC-5	CHAIN CONVEYOR	5 Ton/Hr.	38-42 RPM	NA	NA
NICC-10	CHAIN CONVEYOR	10 Ton/Hr.	38-42 RPM	NA	NA
NICC-20	CHAIN CONVEYOR	20 Ton/Hr.	38-42 RPM	NA	NA
NICC-30	CHAIN CONVEYOR	30 Ton/Hr.	38-42 RPM	NA	NA
NICC-50	CHAIN CONVEYOR	50 Ton/Hr.	38-42 RPM	NA	NA
NICC-80	CHAIN CONVEYOR	80 Ton/Hr.	38-42 RPM	NA	NA
NICC-100	CHAIN CONVEYOR	100 Ton/Hr.	38-42 RPM	NA	NA
NICC-150-350	CHAIN CONVEYOR	150-350 Ton/Hr.	NA	NA	NA

Aspiration System

The NOVA INFRASYS range of Aspiration Systems consists of a unique three-stage waterfall pre-aspiration chamber for pre-cleaning functions and a high-efficiency post aspiration chamber for separation of hulls and semi-light materials.

The zig-zag pattern of air circulation ensures that the material gets longer cleaning time, thereby ensuring precision cleaning.



Technical Specification:

Big Blower	Small Blower	Bran Rotor	Big Cyclone	Small Cyclone	Height in mm			
					(H1)	H1	H2	H3
(HP)	(HP)	(DIA)	(MM)	(MM)	(H1)	H1	H2	H3
7.5	2	1"	950	400	9760	3963	2056	2636
10	2	1"	1950	400	10675	3966	2056	2636
15	3	1.5"	1300	500	11590	4182	2276	2856
20	3	1.5"	1300	500	11590	4182	2276	2856
25	3	1.5"	1500	500	12505	4471	2564	3144
30	3	1.5"	1500	500	12810	4471	2564	3144

Please check the machine model number before placing the order.

Rolltech Thread Machine



**Ultimate Tensiled
Reinforcement Bars**

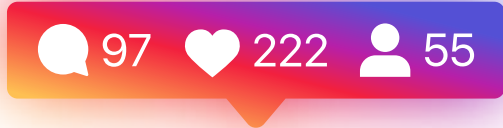
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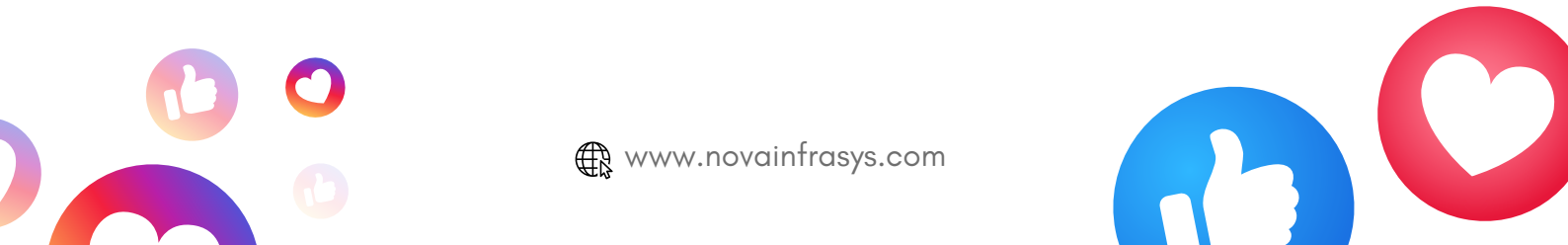
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