

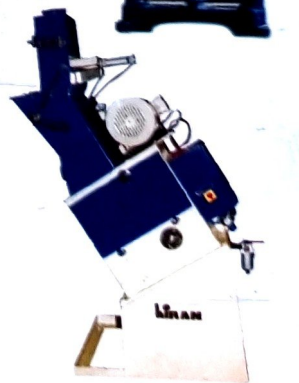
**KIRAN**

FOR MODERNISATION OF RICE MILLS  
*Always Insist on*  
RICE MILL MACHINERY  
**KIRAN**

Recommended By:  
Khadi & Village Industries Commission  
(Govt. of India)



**GOLD MEDAL  
WINNERS**

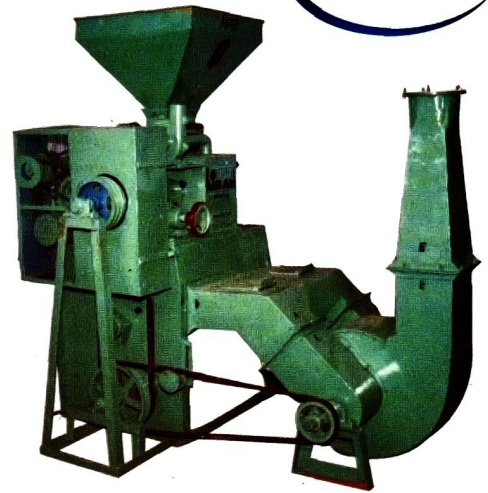


technology & Experience at your service

# RUBBER ROLL

# SHELLER

(V-BELT TYPE) FOR DEHUSKING



### SALIENT FEATURES :

- \* Machine body made of high grade special casting capable of withstanding Vibration & Shocks.
- \* Machine fitted with good quality Ball Bearing with proper arrangement for lubrication.
- \* Machine has air cooling system to ensure longer life of Rubber Rolls.
- \* Machine designed in such a way as to maintain proper pressure between the Rubber Rolls & even if sometimes a piece of impurity passes through the Rolls along with Paddy, it absorbs its pressure without damaging the Rubber Rolls.
- \* Can dehusk upto 95% material in single operation.

	Model No. 1 1.5 to 3.0			Model No. 2 0.5 to 1.5		Model No. 3 0.5 to 0.75	
	W/out. Asp.	With Asp.	With Stake Type Asp.	W/out. Asp.	With Asp.	W/out. Asp.	With Asp.
Paddy capacity in mt/ht.							
Motor/Engine required	7.5	10.0	12.5	5.0	7.5	5.0	5.0
R.Roll RPM	1000	1000	1000	1000	1000	1000	1000
Counter shaft RPM	800						
O/all Length in mm	1025	1200	2350	950	1100	990	1050
O/all Width in mm	950	1000	1400	800	880	700	925
O/all Height in mm	2100	2200	2300	2200	2100	1400	1675

## NEW MODEL PADDY DE-HUSKER



Kiran New Model Rubber Roll Sheller is fitted with an integral double cooling air blower which ensures cool running for giving the highest output per pair of rubber rolls. It has the highest shelling efficiency leading to maximum rice mill capacity. The machine is of strong and rugged construction for trouble free operation with minimum maintenance. The rubber roll sheller can be supplied with or without integral husk Aspirator.



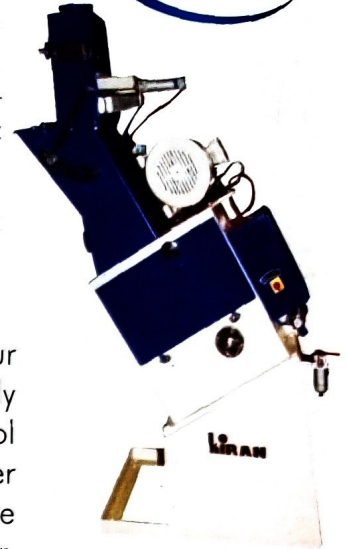
# PNEUMATIC DE-HUSKER



KIRAN Pneumatic Rubber Roll Sheller is the latest model paddy dehusker, which is specially designed to meet the demand of the Rice Milling Industry. The rubber roll movement and the feed shutter are system with V-Belt type pulley and this system combines the advantage of pulley system and ensures the maximum performance. This new Rubber Roll Sheller is responsible for automatic operation of the entire rice mill with centralised control system.

Salient Features of Pneumatic Rubber Roll Sheller :

- \*Maximum hulling degree i.e. 3 to 4 tons paddy per hour
- \*Less breakage of grain
- \*More efficient for moist paddy
- \*Automatic adjustment of rubber rolls by Pneumatic control system
- \*Quick rubber change mechanism very long life rubber rolls and output
- \*Constant and uniform rubber pressure provided by Pneumatic system and air compressor.
- \*Cooling & Exhaust (extra) system.
- \*Noiseless working
- \*Less Maintenance.



**PNEUMATIC DE-HUSKER**



**PNEUMATIC DE-HUSKER WITH STAKE TYPE ASPIRATOR**

Model	Size	Capacity/HR	Power Required HP
KRM-10"(BH)	254X254	3-4 Ton	10 HP for Husker 2 HP for Compressor
KRM-10"(ST) With Aspirator	10"	3-4 Ton	10 HP for Husker 2 HP for Compressor 5 HP for Aspirator

**Note : Pneumatic De-Husker available with counter shaft arrangement also.**

# ONE PASS RICE MILL

\*Single pass system to do all process of husking, separating of husk and brown rice, whitening and bran removal by one machine. \*The precession design produces the best white and bright rice with less broken. \*The machine is easy to operate and service, there are no need for skilled operates. \*No much spares required. \*It can be run by motor or diesel engine.

\*Small compact machine with big capacity. \*Easy installation with less space required. \*Very economical cost with high profitability. \*Spares readily available.

**Function :** \*This machine mainly consists of D-husker with rubber roll, a husk aspirator and a emery polisher.

\*The paddy is primarily placed in the hopper, a vibrating screen in the hopper separates the impurities for the protection of rubber rollers and other machine components. \*The Polishing Chamber is provided with the emery roll placed inside the slotted screens. A Powerful fan blows air to keep the polisher cool and helps the bran to come out from the process of the screen. Thus the blower assured a faster machine processing and cleaner surface on each and every grain of rice. \* One more exhaust fan is provided over the rice outlet in the machines which further cleans the dust or other unwanted particles from the rice to make it pure and crystal clear.



# RICE CONE

# POLISHER



## KIRAN RICE CONE POLISHER

- \* This machine is designed to remove gray, brown or red coating which remains on rice after shelling.
- \* The construction of the machine is very rigid. The main part of the machine is the cast iron grooved cone fitted on steel shaft with Tapper Roller & Ball Bearing. The cone is covered with perforated sheet fitted with Rubber Liners.
- \* It consumes less power & the percentage of breakage is nominal.
- \* Emery Stone on the Cone should not be oval.
- \* The clearance between the Emery Stone & the Rubber Liners should be uniform throughout.
- \* There should be no cracks or pits on the Emery stone.
- \* The R.P.M. of Emery stone should not be more than specified by the manufacturers.

Sr. No.	Diameter of Cone in inches	Capacity of Rice Kg. per hour	Over all Dimension Approx			RPM	Power Required
			L	W	H		
1.	18"	250	34"	34"	55"	350	3 H.P.
2.	24"	500	43"	34"	72"	275	5 H.P.
3.	30"	1000	48"	48"	73"	275	10 H.P.
4.	36"	1500	54"	54"	71"	275	10 H.P.
5.	40"	2000	52"	52"	73"	275	15 H.P.



## KIRAN HORIZONTAL RICE CONE POLISHER

Diameter of Cone in inches	Capacity of Rice Kg. per hour	Length of Cone	RPM	Power Required
18"	400	22"	425	5 HP

# RICE WHITENER



KW-MT

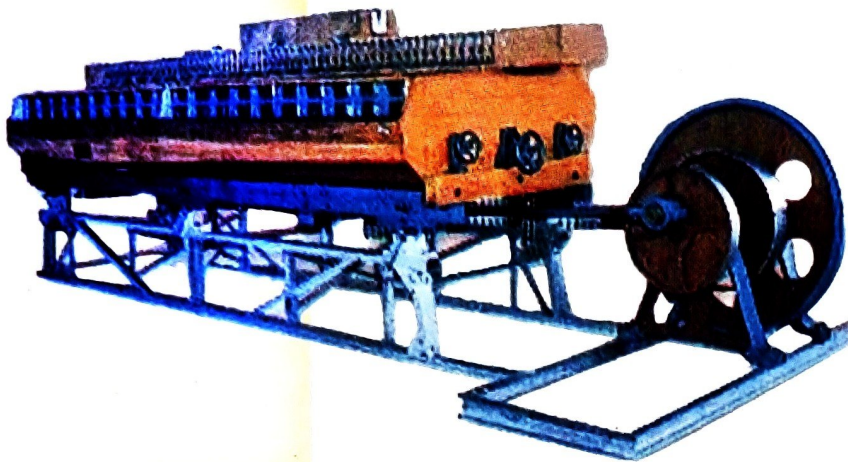
### Features

- \* Ideal Machine for Polishing Rice.
- \* Compact Design.
- \* High Degree of Whitners & Uniformity.
- \* Minimum Broken & Moisture loss.
- \* Easy to Operate.

Model	Capacity T/H	Power Required (HP)	No. of Grinding Wheels	Main Shaft Revolution RPM	Overall dimensions LxBxH in mm
KRW 25	2	25	5 or 6	750	1340x630x1800
KRW 50	3-4	50	9	750	1600x900x1800

KIRAN Rice Whitener Model KRW -50 introduced to provide solutions to today's increasing demand of whiteness and higher yields so that rice of international quality can produced. A fully automatic operation ensures uniform pressure in milling chamber resulting in lesser power per ton and fewer broken in final product.

# PADDY SEPARATOR



## KIRAN TEAK-WOOD PADDY SEPARATOR

Separates husked rice from Paddy. Machine made of large wooden table raised on steel channel frame which operates on vibratory principal. Distributory mechanism ensures uniform supply of grains in all compartments & feed to compartment can be regulated by hand wheel. Table is lined from inside with rust-resisting steel sheet. Glass windows provided keep working of each compartment in sight. Quality Teek-wood is used for the table. Table is built from 1 to 4 storied Table rests on sturdy C.I. legs, Geared teeth and housing and long set of safety springs provided prevent damage to machine.

Sr. No.	NUMBER OF		Capacity Of Rice Per Hour Kg.	OVERALL DIMENSION (Approximate)			RPM	POWER REQUIRED
	Compartments	Storles TIRES		Length	Width	Height		
1.	24	3	528	11'-0"	5'-6"	5'-6"	100	2
2.	36	3	792	14'-0"	"	"	100	5
3.	42	3	924	15'-6"	"	"	100	5
4.	48	3	1056	17'-0"	"	"	100	7.5
5.	54	3	1188/1500	18'-6"	"	"	100	7.5



## KIRAN PADDY SEPARATORS WITH VARIABLE STROKE

### Features :

- \* Capacity Per Compartment Increased upto almost 100 percent.
- \* Torsion Free Table
- \* Low Power Consumption.
- \* Saving in Floor Space.

Model	Capacity in Rice	Power Required
KPS - 45	1.5-2 TON	3 HP
KPS - 48	2 TON	3 HP
KPS - 54	2.5 TON	3 HP
KPS - 60	3 TON	3 HP
KPS - 72	3.5 TON	3 HP

# PADDY PRE-CLEANER



Model	Capacity Per Hour	Power Req.
KPPC-10	6 Tons	$\frac{5HP}{1Pc.}$ $\frac{2HP}{1Pc.}$
KPPC-12	8 to 10 Tons	$\frac{7.5HP}{1Pc.}$ $\frac{2HP}{1Pc.}$

These machines are suitable for efficient cleaning and scrapping of all cereal grains paddy, Fine cleaners are most suitable. The world renowned design makes in the machine most efficient and reliable in its class. These machines run for years without maintenance.

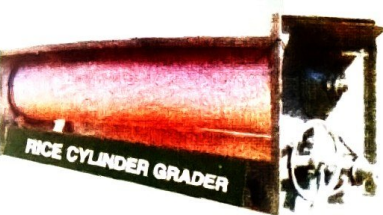
# RICE GRADER



We have the pleasure to introduce ourselves as one of pioneer quality Modernised indented cylinder graders. These Rice Cylinder graders are used for the separation of broken and under size Rice from full size for the production of quality finished Rice Mills.



Indented Cylinder is Horizontal Rotary Cylinder consists of two segment made of high tensile strength of Steel Sheet with preserved Pocked shaped indentations which separators Rice accordingly to the length. It is advanced and latest technology and most sophisticated equipments. New indent Cylinder Rice Grading Machines increases your quality of Rice and able for Export Purposes. It will grader Rice as  $\frac{1}{4}$  Grain,  $\frac{1}{2}$  Grain,  $\frac{3}{4}$  Grain, short Grain and Extra Long Grains and Export Grains.



Type Model	Diameter one of Cylinder	Total Lenth of Cylinder	Power for one Cylinder	Capacity Per Hour	R.P.M.
KEW 400	425	2750	1 H.P.	1 Ton	25.50
KEW 12	705	4500	2 H.P.	1.5 to 2	25.35

# DE-STONER



KIRAN Rice Destoner features a compact and world renowned design with inbuilt vibratory deck and automatic stone discharge system. This is the most accepted machine throughout the world due to its high destoning performance, low power consumption and trouble free operation. The destoner uses a 1 HP motor to clean 2.5 tons of rice per hour.

### Features :

- \* Looking at Stoner-Running Situation.
- \* Balanced / Stone Selection.
- \* Low-Vibration with Long Life.

Model	Capacity (Ton/hr.)	Power (KW)
KDS	1-3	0.5

# SILKY RICE MACHINE

KIRAN Super Shine Machine is advanced step to Rice Mill Machinery in India. In this machine Rice is rubbed into a friction-type shining chamber with proper co-ordination of Air and water into this chamber by a special injection spray system which results rice into shining and sparkling without any trace of Bran the surface of Polished grains.

### Features :

1. Suitable for long and short, New & Old Grains of Rice
2. Increase and Whiteness and Shining Degree.
3. Less Broken of rice Grains
4. Longer Storage Life.
5. Easy Operation Maintenance
6. More Capacity and Efficiency of Plant



Model	Capacity (in Tons)		Power Required			Stage Single Milling Roll Lenght
	Normal Polish	Good Polish	50 HP	7.5 HP	2 HP	
KEW 40"	3 to 4	2 to 2.5	1	1	1	40"
KEW 30"	2 to 2.5	2 ton	1	1	1	30"

# MODERNISATION OF HULLER UNITS

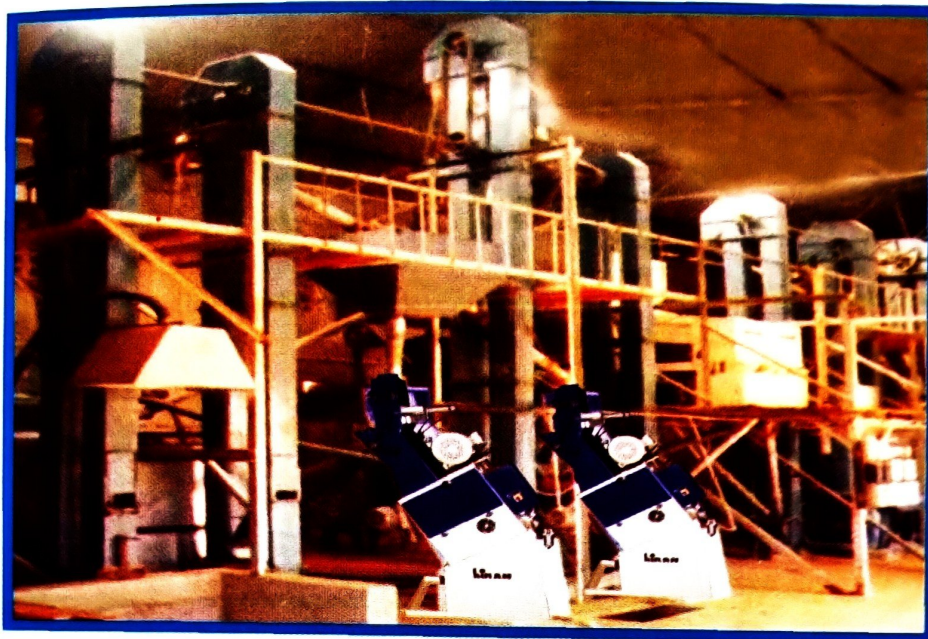


## आधुनिक मिनी राईस मिल मशीनरी

हमारे युनिट द्वारा निर्मित किरन पैडी हस्कर मिनी मशीन हल्लर युनिट आधुनिकरण के लिए आवश्यक है जो कि बड़ी सरलता से धान से छिलका उतारकर चावल को तैयार करती है। इस युग की यह महान देन है। जिस से हल्लर युनिट कम से कम लागत से अधिक से अधिक लाभ प्राप्त कर सकते है। इसी महत्वपूर्ण सफलता के लिए हमें भारत सरकार ने स्वर्ण पदक प्रदान किया है और यह सरकारी खादी ग्राम उद्योग कमीशन से भी मन्जूर शुदा है। यह मशीन 95% से 99% तक छिलका उतारती है। छिलका और चावल एक ही समय में अलग अलग कर सकती है। चावल भी एक बार हल्लर और पालीशर मशीन में डालने से बढ़िया पालिश हो जाता है। चावल बगैर किसी नुकसान के साबुत ही निकालता है। इस प्रकार आप बढ़िया प्रकार का चावल प्राप्त कर सकते है। इसके अतिरिक्त आपके उत्पादन में 2% से 3% तक वृद्धि भी होती है और साथ ही अधिक लाभ भी होता है। अब पूर्ण भारत वर्ष में 100000 से अधिक हमारी यह मशीनें सफलता पूर्वक चल रही है।

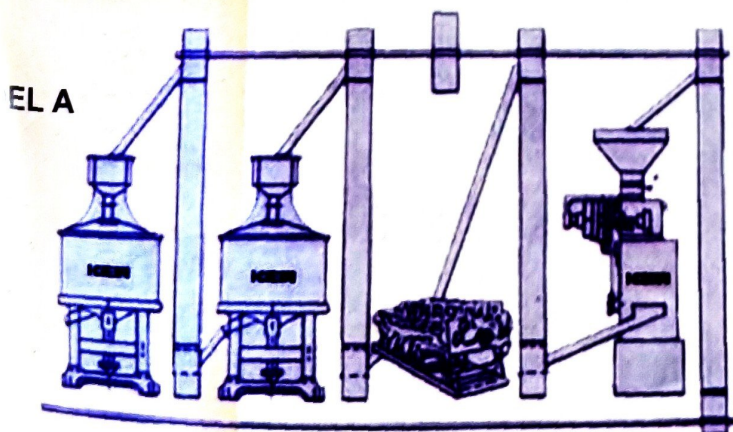
मशीन में आटोमैटिक सिस्टम होने के कारण इस में प्रयोग होने वाले रबड़ रोल शीघ्र गरम नहीं होते फलत रबड़ रोल की क्षमता बढ़ जाती है। मशीन में दबाव सप्रिंग होता है (Absorber Spring) जो धान में लोहे व पत्थर के टुकड़े आदि को दूर करता है और इससे रबड़ रोल अधिक समय तक चलता है। मशीन को बिजली की मोटर या सीधे मैन शाफ्ट द्वारा भी चलाया जा सकता है। इसके अतिरिक्त सुविधानुसार इसको डीजल इंजन या ट्रैक्टर आदि किसी भी चीज से चलाया जा सकता है। चक्की वाली मशीनों के साथ भी लगाई जा सकती है।



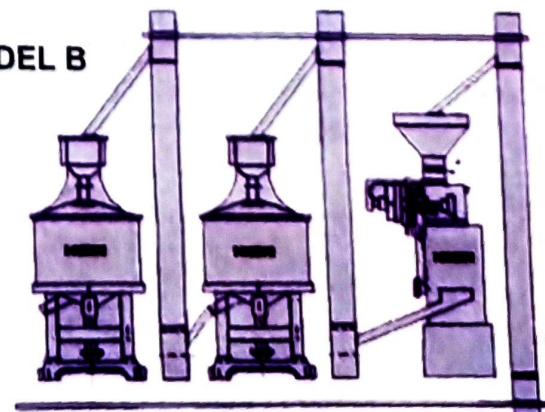


## KIRAN AUTOMATIC RICE MILLING PLANT

Production Per hour	Capacity Paddy 1/2 ton Rice 250 to 300 Kg.	Paddy--1 ton Rice--1/2 ton	1 1/2 to 2 tons 1 ton	2 to 3 tons 1 1/2 tons	3 1/2 to 4 tons 2 tons
Machines arranged in the Plants					
1. Rubber Roll Paddy Husker or Pneumatic Machine	D.L.6" 1	F2/10" 1	F2/10" 1	F2/10" 2	F2/10" 3
2. Rice Cone Polisher sizes	24 1	24 2	30 2	$\frac{36}{2} + \frac{30}{1}$	40 3
3. Paddy Separator having No of Compartment	24 1	36 1	54 1	60 1	54 2
4. Husk Separators with sieve Sizes	36 1	42 1	54 1	60 1	54 2
5. Paddy Cleaning Sieve with Fan	2 X 6 1	2 1/2 x 7 1	3 1/2 x 8 1	3 1/2 x 8 1	4 x 9 1
6. Round motion Sieve with fan	2 X 6 1	2 1/2 x 6 1	3 1/2 x 8 1	3 1/2 x 8 1	4 x 9 1
7. Paddy Lifting Rice Delivery Elevators	5	7	8	9	12
8. Main Shaft	2 1/2 Dia	2 1/2 Dia	3" Dia	3" Dia	3" Dia
9. R.P.M.	300	300	300	300	300
10. Power required Single Motor	30 H.P.	35 to 40 H.P.	50 H.P.	75 H.P.	100 H.P.
11. Power Chessi frame complete each	30 x 20 x 25	45 x 30 x 25	50 x 35 x 25	60 x 35 x 25	80 x 35 x 25
12. Building required LxWxH					



MODEL B



### MINI RICE PLANT