

RICE MASTER[®]

RICE WHITENING ABRASIVE ROLLERS **Plus**

RICE MASTER[®] **EXTRA LONG LIFE**
REDEFINED TECHNOLOGY FOR RICE WHITENING



GOLD WHEN ITS LONG



Maximum Whitening With Minimum Breakage



STERLING ABRASIVES LIMITED
GRINDING WHEELS

www.ricemaster.in



RICE MASTER[®]

NEW

EXTRA LONG LIFE

REDEFINED TECHNOLOGY FOR RICE WHITENING

Precision Balance Stone Made With Perfection



250 x 60 x 169 / 170



340 x 93 x 230



358 x 48 x 216



460 x 71 x 305



508 x 62 x 353

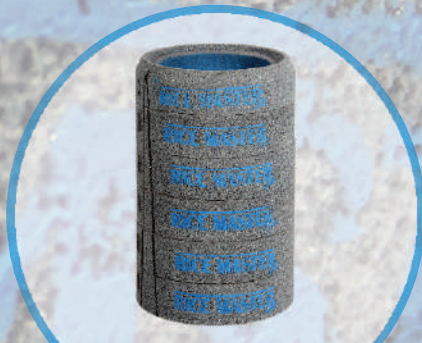
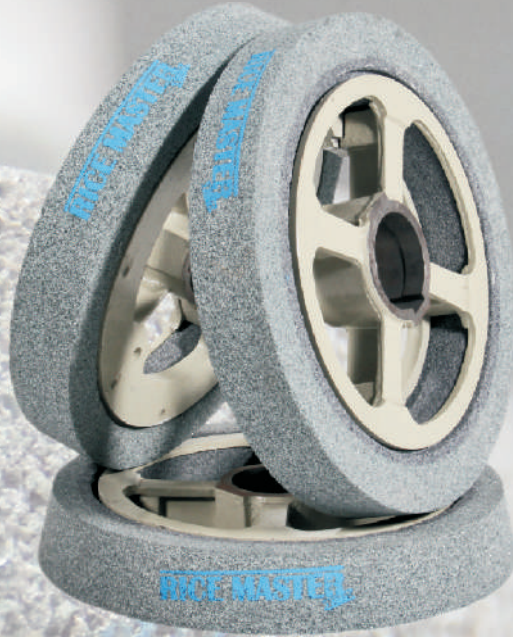
(Dimensions in mm)

SALIENT FEATURES

- Minimum rice broken.
- Better whiteness & shining on rice.
- Longer operational life of stone due to imported raw material used.
- Reduction in electricity consumption.
- Easy fitment of stone due to close dimensional accuracy achieved on CNC machineries.
- All abrasive roller pieces are precisely balanced.
- Can be supplied with metal flange and Hub.

RICE MASTER[®]

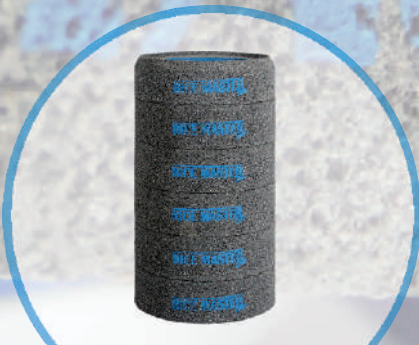
RICE WHITENING ABRASIVE ROLLERS **Plus**



250 X 60 X 169 / 170



250 X 392 X 169 / 170



340 x 93 x 230



340 x 289/340 x 230



358 X 48 X 216

(Dimensions in mm)

ABOUT THE PRODUCT

Rice Master is 40 years old product that has evolved with Sterling Abrasive's experience of hundreds of clients in rice industry. The product enjoys a special edge in the market where the client is keen on maximizing his profits by gaining not only the full rice but also a standard quality.

COMMONLY USED ABRASIVE ROLLER SIZES

| Size | Pcs/set | Type of Abrasives | Grit Size |
|-----------------|---------|-------------------------------|-----------|
| 260X62X160 | 6 | Black Silicon Carbide | 16 |
| 250X60X169/170 | 5 / 6 | | 18 |
| 250X392X169/170 | 1 | | 20 |
| 340X93X230 | 6 / 7 | | 24 |
| 340X289/340X230 | 2 | Green Silicon Carbide | 30 |
| 310X70X210 | 6 | | 36 |
| 230X75X140 | 4 | Black + Green Silicon Carbide | 46 |
| 358X48X216 | 5 / 9 | | 54 |
| 460X71X305 | 7 / 9 | | 60 |
| 508X62X353 | 9 / 10 | | |
| 408X62X291 | 7 | | |
| 305X63X190 | 7 | | |
| 425X70X285 | 5 / 8 | | |
| 275X50.5X198 | 7 / 9 | | |
| 300X60X170 | 6 | | |
| 525X70X350 | 9 | | |

(Dimensions in mm)

Besides the standard sizes mentioned above, we also offer rice whitening rollers as per required size and specification.

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SELECTION OF ABRASIVE ROLLERS

| Type of Rice | Abrasive Type | Grit Size |
|----------------------------------|-----------------------|-------------|
| Basmati Rice | Green silicon carbide | 24,30,36 |
| Other raw rice | Green silicon carbide | 24,30,36 |
| Steamed, Boiled & Parboiled rice | Black silicon carbide | 16,20,24,30 |

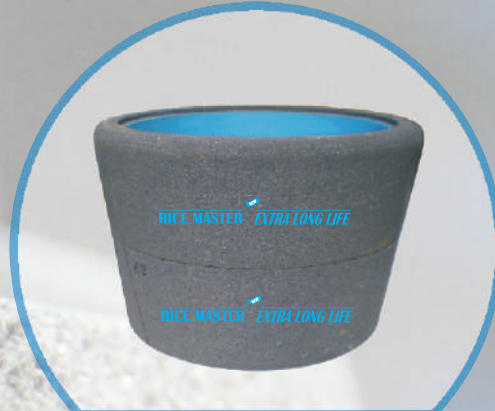
PROBLEMS & CAUSES

| Problems | Causes |
|---------------------|--|
| Roller Breakage | • Flange fitting not proper |
| | • Space between rollers uneven |
| | • Foreign material like nut, bolt in between |
| | • Due to faulty design of machine |
| Wearing out fast | Wrong selection of Grading / Destoner or sizer not used |
| Chipping from sides | Space between rollers is not maintained |
| Not matching in dia | Clearance between bore & flange is more |
| Breakage of rice | Use of hard grading / Destoner or sizer not used / magnet not cleaned properly |

VITRIFIED BONDED CONE TYPE ABRASIVE STONES



Single Piece Cone



Two Piece Cone

Sterling regularly supplies vitrified bonded stones for cone polisher machine in 18", 24", 27", 30", 36", 40", 42", 46" & 48" dia to various cone polisher machine manufacturers.

Salient features are as Under:

- Abrasive stone is manufactured from silicon carbide mixture under controlled condition.
- Abrasive stone is tested for vibration free operation.
- Abrasive stone is manufactured in single and two pieces depending upon the total height.
- Abrasive stone is held together by specially designed metal assembly.
- Close dimensional accuracy due to operation on CNC machineries.

Advantages :

- Saving in rice broken by 2 to 3 %.
- Less Power consumption.
- Better rice polishing & whiteness.
- Higher rice output per hour.

COMPARISON

| Particulars | Two Pc Design | Single Pc Design |
|-------------------|---------------|------------------|
| Weight | More | Less |
| Electricity | More | Less |
| Assembly Cost | High | Low |
| Installation Time | More | Less |
| Rice Broken | More | Less |

SILKY MASTER

Silky Master stone is recommended to use on the last pass of whitening operation (preferable on the fourth pass). Silky Master stone formulation is specially designed to give excellent shining and whiteness on rice. Many rice millers prefer it as they do not need to use silky polisher machine in case of custom milling. Silky Master stone is supplied in single piece design in dual specification.

Advantages :

- Excellent shining on rice.
- Saving in power / no need to use silky polisher machine.
- Useful for FCI milling.



Single Piece Cone

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ABRASIVE ROLLERS FOR CHINESE RICE WHITENING MACHINE



Jet Polisher



SM18E



TS 25B

Sterling's Vitrified bonded chinese type abrasive rollers are far better in comparison to magnesite bonded abrasive rollers available in market. Main advantages of sterling rollers are as follows.

ADVANTAGES

- Better rice whitening and shining.
- Rice broken will be minimized.
- Reduction in power consumption.
- Longer operational life of stone.
- Higher rice output per hour.
- No shelf life of stone due to vitrified bond.
- No effect of temperature variation on quality of stone.

FEATURES

- Abrasive stones for machine model number TS25B, SM18E, NF15D & Jet polisher are available in stock.
- Available in black (C) & black + green silicon (CGC).
- Suitable for raw, steam & boil rice.
- Imported stones are made in resin bond which is not good for food application.

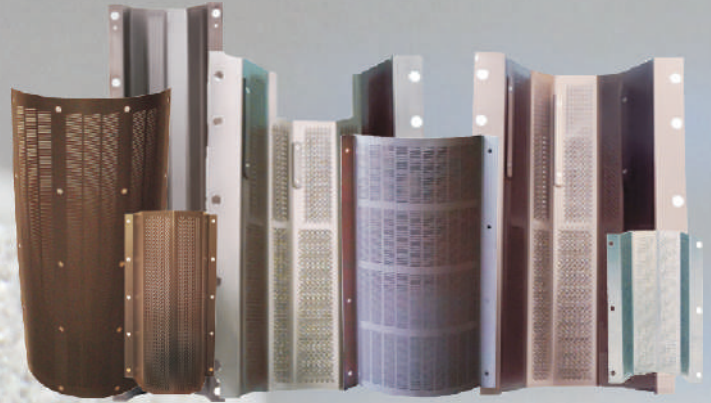
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METAL SCREEN FOR RICE WHITENING & POLISHING APPLICATION

FEATURES:

- Screens quality reaches original types.
- Screens undergo special surface treatment for longer working life.
- Screens can produce white rice with extra luster.
- Use of precision machine for producing screens.
- Screen customization is possible.
- Popular sizes of screens for whitening and polishing application are available in stock.



DE HUSKING RUBBER ROLL

Sterling rubber rolls are manufactured by experienced & skilled manpower in advanced plant using latest technology & good quality of raw material. Sterling rubber rolls are made from NBR rubber. Advantages are as under.

- Well balanced hardness
- Excellent resistance to wear
- Very good hulling rate
- Lowest rice breakage rate
- Light weight aluminum back up
- Currently available in 10" X 10" model



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COMPANY PROFILE

Sterling Abrasives Limited is a pioneer in the manufacture of modern rice whitening abrasive rollers. Today, supported by a dedicated team of experts, Sterling has mastered the technology to manufacture abrasive rollers for different types of rice. Sterling provides its customers rollers made to their requirement. Sterling Rice Whitening Abrasives rollers are available in a wide range of sizes to suite different machine.

Sterling Rice Whitening Abrasives rollers are made using specially processed superior quality silicon carbide grains and high performance ceramic bond systems under controlled conditions that help to give better whiteness in the rice. That is why for many decades, Sterling Rice Whitening Rollers are the preferred choice of all Rice Whitening machinery manufacturers in India and abroad.

OUR REACH



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