



**HINDUSTAN**  
**ABRASIVES**  
PRECISION GRINDING WHEEL

# World's Best Abrasives to help you Achieve the Highest Precision



Top-Quality **Industrial Grinding Wheels & Rice Whitener Stones**



We are manufacturers and exporters of grinding wheels, rice polishing cones, and whitener stones that stand up to today's requirements.

We are known for our industry specific Abrasive Grinding Wheels manufactured with utmost quality yet with **competitive price band.**

Our abrasive products help you optimize your grinding operation and save you time & money.

**40+**

Years of Experience

**1000+**

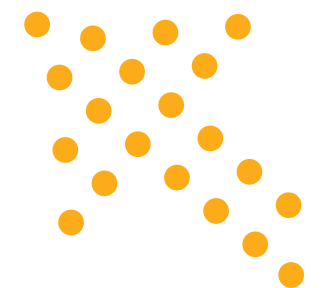
Dealer Network Across India

**20+**

Countries We Export to

**ISO**

9001:2008 Certified Company



## Get Precise Finishes Impeccably & Reliably

From Industrial Grinding Wheels to Agro Wheels and everything in between, our precision grinding wheels, cones & other products offer consistent quality and superior cutting, grinding and polishing action.

### Better Quality

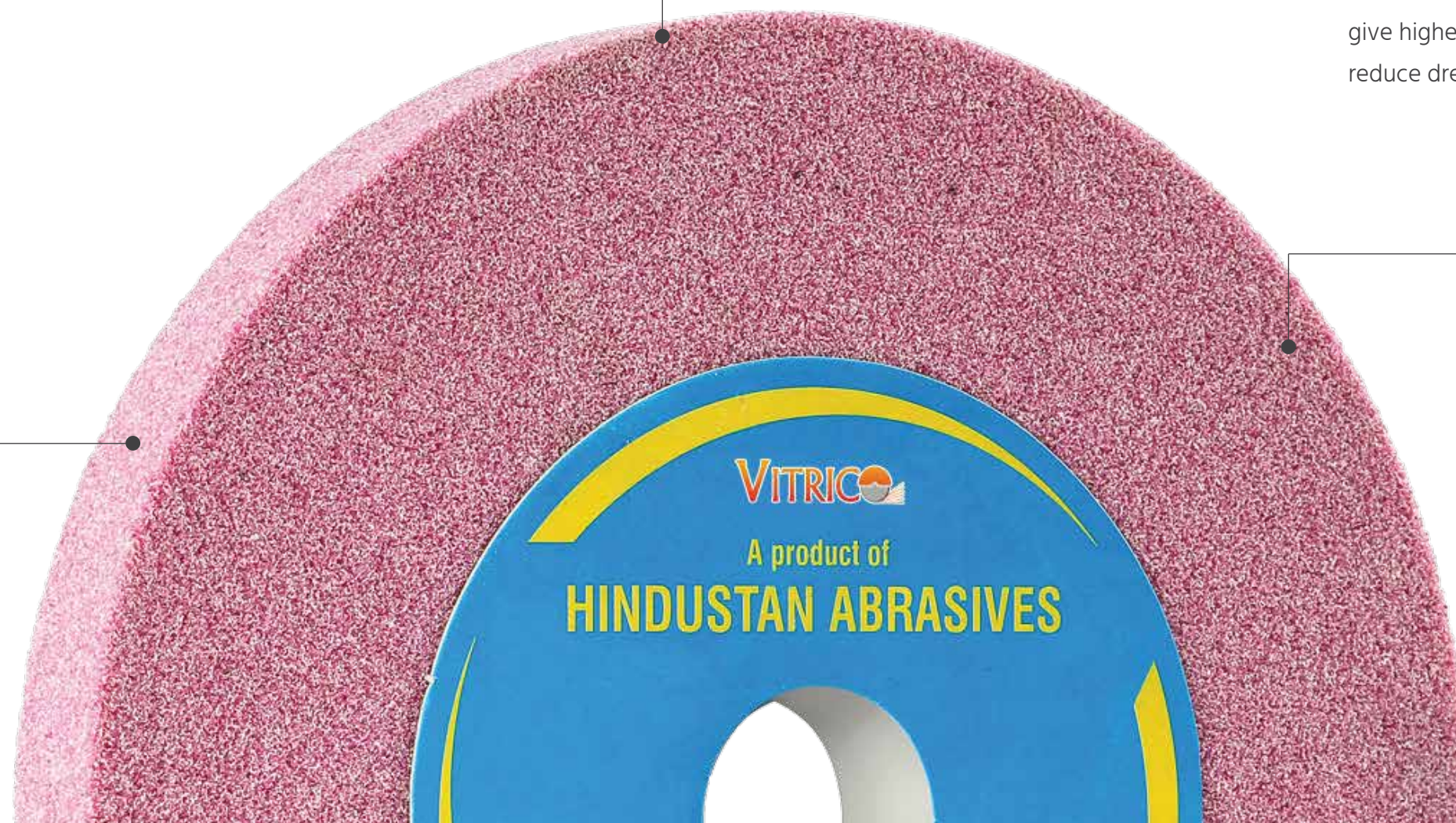
Number of grains distributed uniformly to help remove any unwanted material from the surface & get desired result.

### Innovations

Blunt grains leave the surface automatically to allow new and fresh layer of grains with sharp edges take the space.

### Excellent Form Retention

With new bonding technology, our products have better form holding properties which give higher output due to longer life and reduce dressing frequency.





## High Grade. India Made. For the World.



### INDUSTRIAL GRINDING WHEELS

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Vitrico industrial grinding wheels are known for smooth cutting and long-lasting cutting edges. We are also most widely known as a “Standard Company for Non-Standard Wheels” - as we deliver the products in days while in general, it takes 3-6 months.

Our craftsmanship and R&D help us achieve this feat.



### AGRO WHEELS

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Developed after years of rigorous R&D – self dressing bond technology whitener stone 2.0 is truly a revolutionary product. Unlike any other product, you might not have seen or heard before.

It is the #1 hot-selling whitener stone product in the market that is reversing the game for hundreds of whitener stone dealers across the country.



## Roll Grinding

Roll grinding is a form of external cylindrical grinding. It is used to grind rolls which subjected to continuous wear and peeling off during rolling.



### Manufacturing Range:

Grain	Bond	Grade	Structure	Speed	Diameter	Thickness
BA, WA, BS	V3, VGT, V1	H-L	5	33&45	450-915	40-100

## Gear Grinding Wheels

Gear grinding is basically the process of creating the teeth or splines on a gear. There are two processes utilized and each has its own costs and benefits. After the formation of the gear splines, more refined gear grinding is done to polish & finish the gear's surface.



### Multi Rib Gear Grinding:

Module	Below 1.49	1.5-1.99	2.00-2.99	3.00-3.99	4.00-5.99
D.P	over 16.93	16.92-12.69	12.68-8.45	8.44-6.34	6.33-4.22
Recommendation	WA220J8V11	WA180J8V11	WA150J8V11	WA120K8V11	WA802J8V11

### Thread Grinding:

Pitch	0.8-1	1.25-1.5	1.75-2.5	3-4	4.5-5.5	4.5-6
T.P	40	28-32	20-26	14-20	7-12	7-12
Recommendation	WA400M4VGT	WA320L4VGT	WA280L4VGT	WA220L4VGT	WA180K4VGT	WA120K4VGT

## Surface Grinding With Segments

Grinding segments are blocks, cuboids, and special-shaped abrasive blocks used for surface grinding. They are used in surface grinding applications to grind flat surfaces. Typically a group of segments is loaded into the chuck that moves the abrasives over the job.



### Features –

- Customizable shapes and sizes to suit application requirements.
- Improved bond provides excellent cutting action and life.
- Open structured product design gives performance in cool cutting application.

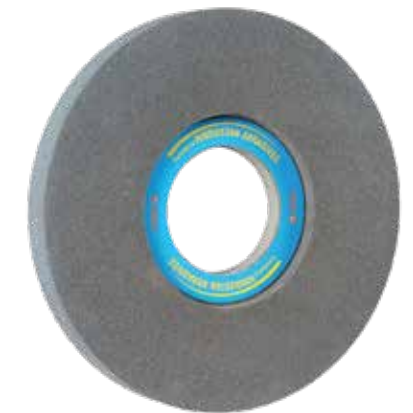
### Manufacturing Range:

Grain	Grit size	Hardness	Structure	Bond
WA	24-80	G-M	5	V5

## Cylindrical Grinding Wheels

When the work is held in the machine between fixed centres, the type of cylindrical grinding is known as centre type grinding.

This type of grinding is performed with straight plain wheel (type 1) or slight modification in this type. (type 5&7) In this case, grinding the face of the wheel is the outside diameter or circumference.



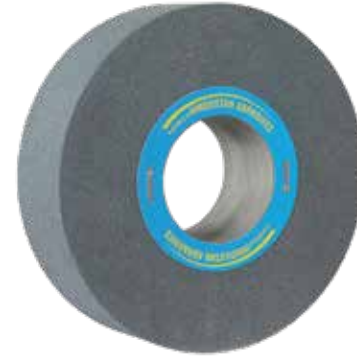
### Manufacturing Range:

Grain	Grit size	Grade	Structure	Diameter	Thickness
BA, MA	36-150	G-P	3, 5, 7	100- 1066	6-150
WA	36-220	G-N	4&5	100- 1066	6-150
BS	46-320	G-N	3, 5, 7	100- 1066	6-150

## Centerless Grinding

Centerless grinding is a machining process that uses abrasive cutting to remove materials from a workpiece.

Centerless grinding differs from center type cylindrical grinding operation in that no spindle is used to locate and secure the workpiece, the workpiece is secured between two rotary grinding wheels, and speed of their rotation relative to each other determines the rate at which material is removed from workpiece.

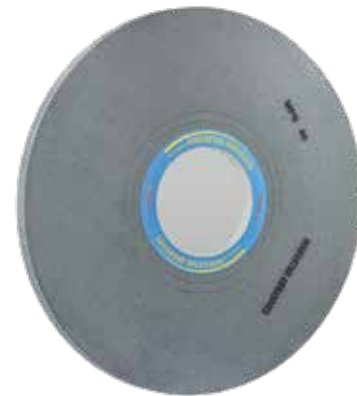


### Manufacturing Range:

Grain	Grit size	Grade	Diameter	Thickness	Structure
BA	36-120	G-P	300-600	75-300	5
BS	36-120	G-P	300-600	75-300	5

## Crankshaft Grinding

Crankshaft grinding is the cylindrical grinding of the crank pin or bearing by plunge form method. The fillets on the pins are formed directly by the wheel, the desired radius given to the wheel by a special truing device. The crankshaft grinding wheel should grind freely, generate minimum heat and at the same time maintain its form and size for a sufficient length of time.



### Features –

- For better form holding on sides, HA offers sandwich wheel which harder sides for better form retention.
- Special bond system for 60 M/S
- Rough sides to prevent shoulder burning.

### Manufacturing Range:

Grain	Grit size	Diameter	Thickness	Hardness	Structure
BA, MA	36-80	600-1066	25-150	J-P	5

## Honing Stones

Honing is the finishing of internal dimensions of automobile cylinder heads and other components when an excellent and accurate finish is required. Honing is generally performed with square, rectangular, or specially shaped sticks or blocks.

Honing stones can be used for all forms of honing, vertical horizontal and flexible, or oscillating. In Honing, the abrasive stones are held in the Honing head in sets of 4, 6, or 8 pieces.



### Manufacturing Range:

Grain	Grit size	Grade	Length	Width	Thickness
WA	46-600	G-P	25-200	3-15	3-10
BS&GS	46-400	I-O	25-200	3-15	3-10

## Tool Room Grinding

Tool room grinding wheels are used for various applications like manufacture and regrinding of cutting tools like drills, reamers, milling cutters, etc.

### Operations are carried out at periphery of –

- Plain wheel (type 1)
- Face of face cup wheels (type 6 & type 11)
- Dish wheel edges



### Manufacturing Range:

Bond	Grain	Grit size	Diameter	Thickness	Hardness	Structure
V3	BA	46-120	100-200	3-25	H-L	5
VGT	WA	46-120	100-200	3-25	H-L	5
V1	GS	46-120	100-200	3-25	H-L	5
VGT	PA	46-120	100-200	3-25	H-L	5

## Rice Whiteners

Rice whiteners are used for whitening of brown rice. It uses the vertical abrasive grinding wheels and follows top to bottom working principle. The rice is whitened very gently between grinding wheels and screen without distracting the original shape of rice kernel.

### Feature –

Due to improved bond system and self dressing properties, HA rice whitener enhances whiteness, increases head rice yield by reducing breakage enhance the appearance of rice kernels by imparting glassiness which fetches the rice miller a premium price.

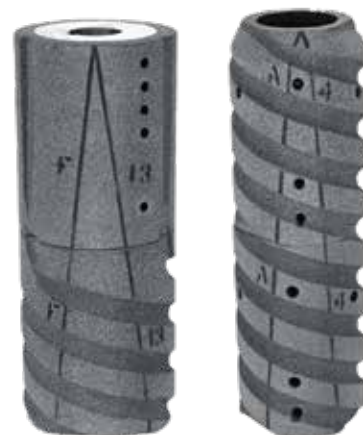
## Rice Whitening Abrasive Rollers (Worm type)

Our company's POLISH MASTER brand made by using conical Silicon Carbide grains gives Excellent polish of rice which is far far superior.

These worm type abrasives mainly come in three models. These are –

1. TS 25
2. SM 18
3. NF 15

The polishing of rice is very consistent till the end and this leads to a huge broken percent saving of rice.



## Rice Polishing Cones

Rice Polisher Cone Stone work at very less RPM compared to Rice Whitener Stone and are therefore helpful in saving broken percentage of rice.

Rice polishing cones are made by vitrified technology with high-quality Silicon Carbide grain. The grain mix is pressed in molds to give a proper shape under very high hydraulic pressure, making it uniform in density and shape. Then these rice cone polishers are fired in specially developed kilns under very high temperatures (above 1200 C) for proper vitrification.

### Features –

- Uniform density
- Uniform surface
- No dependency on the foreman
- No breakdowns
- Lesser broken of Rice



From gear grinding to rice whitening and everything in between, our precision grinding wheels, cones & other products offer consistent quality and superior cutting, grinding, and polishing action.

We are #1 abrasives product & grinding wheel supplier, manufacturer & exporters with a range of products that stand up to today's highest requirements.

### 5 Points of Distinction



With a manufacturing area of over 1,00,000 sq. feet we can deliver quality products at short notice.



Customized solutions to meet your specific needs and ensure cost-effectiveness.



High quality product range that stands up to today's highest requirements.

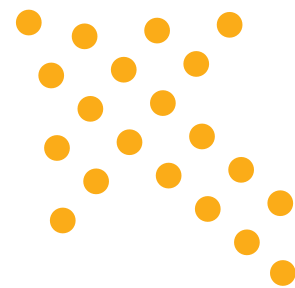


Top-class after-sales services by a highly trained team to help you concentrate on your core business.



State-of-the-art Research Center that drives innovations and deliver transformative products.

### Our Clients



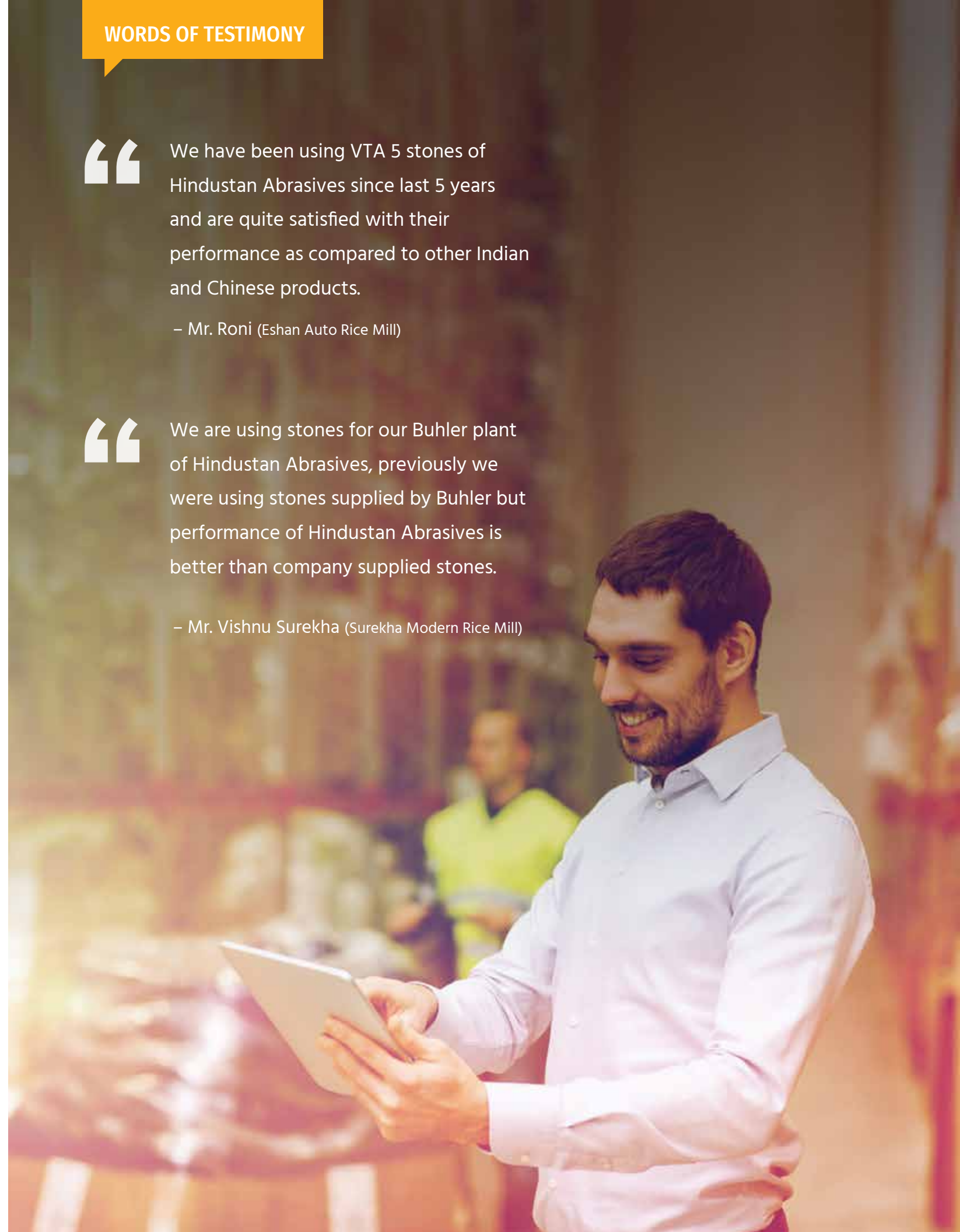
We have been using VTA 5 stones of Hindustan Abrasives since last 5 years and are quite satisfied with their performance as compared to other Indian and Chinese products.

– Mr. Roni (Eshan Auto Rice Mill)



We are using stones for our Buhler plant of Hindustan Abrasives, previously we were using stones supplied by Buhler but performance of Hindustan Abrasives is better than company supplied stones.

– Mr. Vishnu Surekha (Surekha Modern Rice Mill)





[www.hindustanabrasives.com](http://www.hindustanabrasives.com)



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