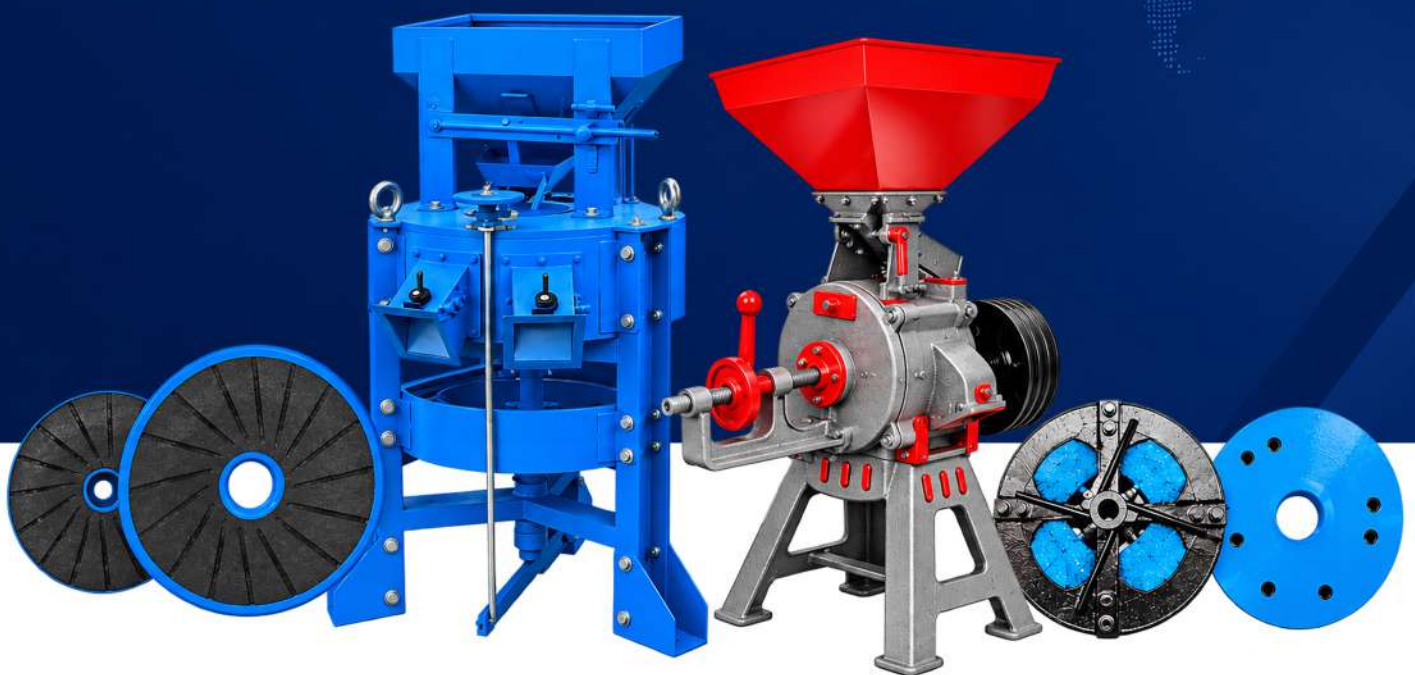


PRODUCT CATALOGUE

PREMIUM MILLING SOLUTIONS

ENGINEERED FOR PRECISION. TRUSTED WORLDWIDE

75+ YEARS OF EXCELLENCE



MILL STONES

DURABLE | HIGH PERFORMANCE



GRINDING MACHINES

EFFICIENT | RELIABLE



CUSTOM SOLUTIONS

TAILORED | GLOBAL SUPPORT



GLOBAL PRESENCE

TRUSTED WORLDWIDE

STARSTONE - BY THE SABOO GROUP
AJMER, INDIA



ISO 9001: 2015
Certified Processes



+91 82092 15443



INFO@STARSTONEMILLS.COM



M/S SABKO EMERYSTONE, NAKA MADAR
AJMER (RAJASTHAN), INDIA

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Company Profile



TRADITIONAL STONE MILLING. PERFECTED BY MODERN ENGINEERING AND EXPERIENCE

The quality of every finished product begins with the grinding process. Consistent particle size, controlled temperatures, and reliable milling are essential to preserving the natural characteristics and aroma of grains, spices, herbs, minerals, and soft chemicals.

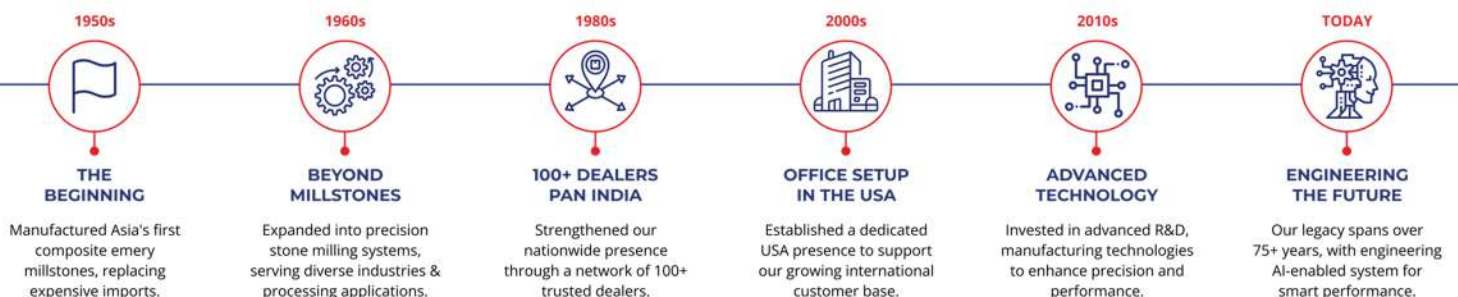
Engineered with over seven decades of expertise, across three generations. Starstone's composite emery millstones and stone milling systems deliver the precision, consistency, and durability trusted by manufacturers worldwide.

What Happened in India Before Starstone?

Composite emery millstones were once imported from Denmark, making advanced stone milling technology expensive and difficult to access for manufacturers across Asia. Recognising this challenge, our forefathers pioneered the manufacture of composite emery millstones in Asia, combining traditional craftsmanship with engineering expertise to make reliable, high-performance milling solutions more accessible.

What began with the development of millstones gradually evolved into decades of innovation, experience, and continuous improvement. Over generations, we expanded our knowledge beyond individual millstones to develop complete stone milling systems designed to deliver consistent performance, durability, and efficiency.

Today, building on more than 75 years of legacy, Starstone Mills continues to serve manufacturers with dependable milling solutions trusted across global markets. Our journey remains rooted in the same vision that inspired our beginnings: making world-class stone milling technology accessible while continuously raising the standards of quality, engineering, and performance.



About Us

Behind every figure is a story of craftsmanship, innovation, and customer trust. From pioneering composite emery millstones in Asia to supplying manufacturers across the world, our journey has been driven by precision engineering, uncompromising quality, and the belief that every milling solution should deliver consistent performance for generations.

75+

Years of Manufacturing Excellence

20+

Countries Served

50,000+

Active Installations Globally

275+

Industrial SKUs Range



OUR MISSION

Engineering Excellence Every Day.

To engineer and manufacture premium stone milling solutions that deliver consistent performance, reliability and value to our customers.



QUALITY FIRST



PRECISION ENGINEERING



CUSTOMER PARTNERSHIP



TRUSTED WORLDWIDE



OUR VISION

Empowering Mills. Enriching Tomorrow.

To be the world's most trusted brand for milling solutions, known for innovations, sustainability and long - term impact across industries.



GLOBAL LEADERSHIP



CONTINUOUS INNOVATION



SUSTAINABLE FUTURE



IMPACTING GENERATIONS

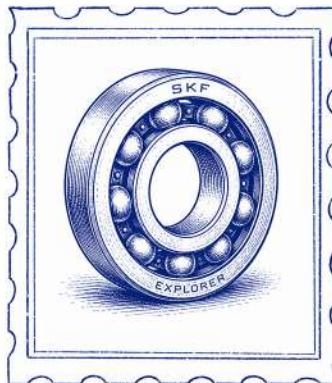
Engineering Excellence

Every component. Every material. Every process. Engineered without compromise for generations of reliable performance. At Starstone, every machine begins with a simple belief exceptional performance is the result of thoughtful decisions made from the very first step.

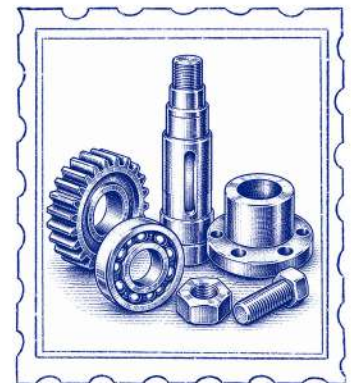
From carefully selected raw materials and trusted manufacturing processes to precision machining and rigorous quality inspections, every stage is held to the highest standards. The result is a product built for reliability, consistency, and lasting performance.



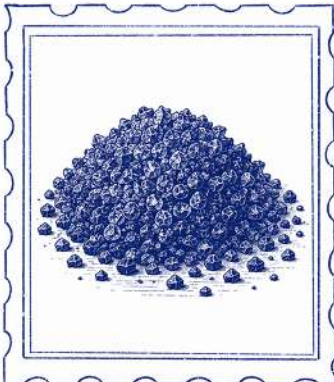
**NATURAL RED
JASPER STONE**



**SKF
BEARING**



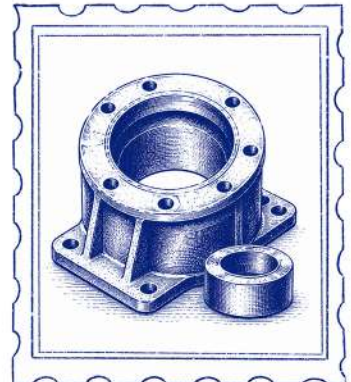
**PREMIUM STEEL
COMPONENTS**



**SYNTHETIC BLACK
EMERY**



**BINDING
AGENTS**



**PREMIUM GRADE
CAST IRON**

Quality Isn't Inherited. It's Earned Over Generations.

Every generation has further redefined the industry, improving materials, manufacturing processes and engineering standards. Today, that legacy lives in every starstone product, built in precision, consistency and an unwavering commitment to excellence.

QUALITY WITHOUT COMPROMISE

**Every Machine
Must Earn the
Starstone Name**



MATERIAL
INSPECTION



DIMENSIONAL
ACCURACY



ASSEMBLY
VERIFICATION



FUNCTIONAL
TESTING



FINAL QUALITY
APPROVAL



ISO 9001: 2015
Certified Processes

Consistent quality, Dependable
performance, Complete peace
of mind.

Our Products

GRINDING MILL STONES

Choose the perfect grinding solution tailored to your needs, ensuring optimal performance, durability, and efficiency for every type of milling requirement.



**Horizontal Denmark
Type Millstone**



**Vertical Denmark
Type Millstone**



**Horizontal India
Type Millstone**



**Vertical India
Type Millstone**



**Vertical Flat Face
Type Millstone**

GRINDING MILL MACHINES

Choose the perfect grinding solution tailored to your needs, ensuring optimal performance, durability and efficiency for every type of milling requirement.

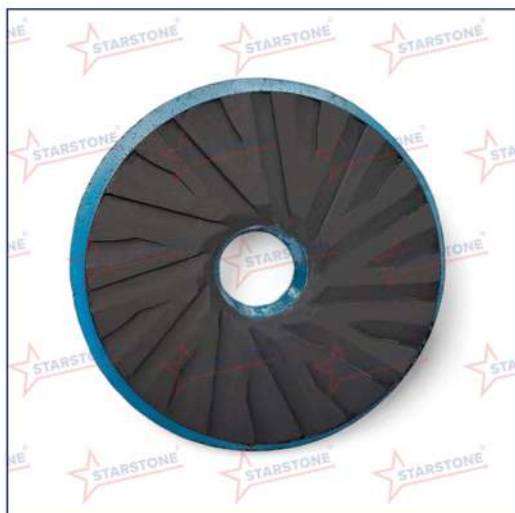


**Horizontal Denmark
Type Machine**



**Vertical Denmark
Type Machine**

Horizontal Denmark Type Millstone



The STARSTONE Horizontal Danish Type Millstone is the heart of every premium quality Starstone Horizontal 3 leg mill. Made of the finest emery abrasives & natural, safe bonding agents this stone is ideal for dry food grinding with precision, efficiency, and reliability.

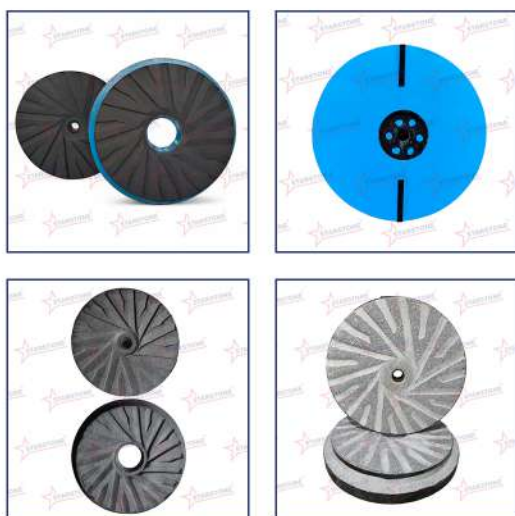
All our stones are mechanically balanced to ensure smooth operation, reduced vibrations, and long-term durability. It can fit in any standard compliant 3 leg horizontal mill & is available in two varieties – Grey Bond Colour & White Bond Colour – depending upon your preference.

This model is specifically manufactured for international markets, with four different size configurations to suit every scale of milling requirements. Its robust quality and state of the art manufacturing technique ensures stable, continuous operation in commercial environments. Engineered for grinding any type of dry food items, it is ideal for businesses looking for dependable stone milling solutions or replacing existing poor quality stone with a product of proven long-term performance across the world.

Features:

1. Compatible with almost all types of Horizontal 3 Leg Denmark type Mill Machines.
2. Has two flour sweeping metal strips & two metal vertical fans on the side, as compared to one each offered by majority manufacturers. It helps in keeping the flour & mill cool. Also prevents accumulation of flour in the mill by faster dispensing.
3. Available in Black Bond & White Bond stone bonding options.
4. Made with the utmost premium quality emery abrasive grits and other binding agents.
5. More durable & long life as compared to other stones.

Designed for global markets, this premium quality stone combines traditional stone grinding efficiency with modern engineering & design by offering reliable performance, global compatibility, and long-term durability for commercial milling businesses.



Bottom Rotating Stone Diameter Size	Thickness per pair (Approx.)	Tapered Shaft Bore Inside Stone	Net Weight per pair Black Emery (Approx.)
500 mm (20")	215 mm	49 - 46 mm	130
600 mm (24")	215 mm	49 - 46 mm	180
700 mm (27.5")	260 mm	49 - 46 mm	260
800 mm (31.5")	260 mm	54 - 52 mm	375

Vertical Denmark Type Millstone



The STARSTONE Vertical Danish Type Millstone is the heart of every premium quality Starstone Vertical Grinding mill. Made of the finest emery abrasives & natural, safe bonding agents – this stone is ideal for dry food grinding with precision, efficiency, and reliability.

All our stones are mechanically balanced to ensure smooth operation, reduced vibrations, and long-term durability. It can fit in any standard compliant vertical mill & is available in two varieties – Grey Bond Colour & White Bond Colour – depending upon your preference.

This model is specifically manufactured for international markets, with four different size configurations to suit every scale of milling requirements. Its robust quality and state of the art manufacturing technique ensures stable, continuous operation in commercial environments. Engineered for grinding any type of dry food items, it is ideal for businesses looking for dependable stone milling solutions or replacing existing poor quality stone with a product of proven long-term performance across the world.

Features:

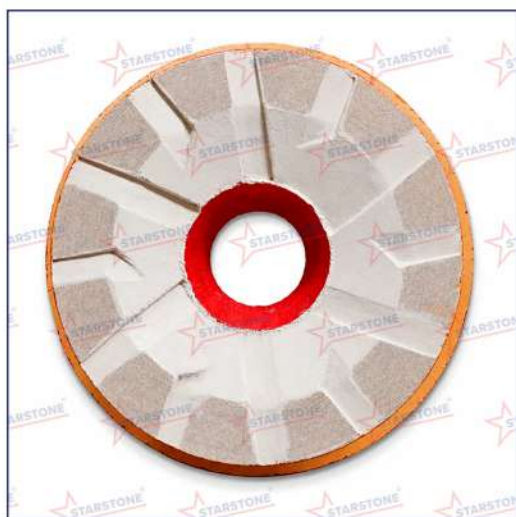
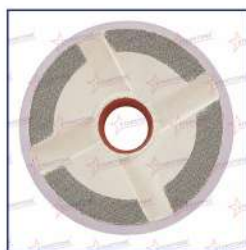
1. Compatible with almost all types of Vertical Denmark & India type Mill Machines.
2. Has four flour sweeping metal angle fans, as compared to two offered by majority manufacturers. It helps in keeping the flour & mill cool. Also prevents accumulation of flour in the mill by faster dispensing.
3. Available in Black Bond & White Bond stone bonding options.
4. Made with the utmost premium quality emery abrasive grits and other binding agents.
5. More durable & long life as compared to other stones.

Designed for global markets, this premium quality stone combines traditional stone grinding efficiency with modern engineering & design by offering reliable performance, global compatibility, and long-term durability for commercial milling businesses.



Rotating Stone Diameter Size	Thickness per pair (Approx.)	Shaft Bore Available (mm)	Net Weight per pair Black Emery (Approx.)
300 mm (12")	150 mm	30 / 35 / 38 / 40	29
400 mm (16")	150 mm	38 / 40	56
500 mm (20")	180 mm	40 / 45	100
600 mm (24")	200 mm	45 / 50	170

Horizontal India Type Millstone



The STARSTONE Horizontal India Type Millstone is the heart of every premium quality Starstone Horizontal India type mill. Made of the finest emery abrasives & natural, safe bonding agents – this stone is ideal for dry food grinding with precision, efficiency, and reliability.

All our stones are mechanically balanced to ensure smooth operation, reduced vibrations, and long-term durability, It can fit in any standard compliant 4 leg India type horizontal mill with lower stone rotating & is available in two varieties – made of Natural Red Jasper Emery or Synthetic Black Emery – depending upon your preference.

This model is specifically manufactured for Indian Sub-continent markets & any country or company milling wheat chakki atta in any continent on earth., Available in various different size & thickness configurations to suit every scale of milling requirements. Its robust quality and state of the art manufacturing technique ensures stable, continuous operation in commercial environments. Engineered for grinding any type of dry food items, it is ideal for businesses looking for dependable stone milling solutions or replacing existing poor quality stone with a product of proven long-term performance across the world. It is even used for shelling (splitting) of pulse & chickpeas.

Features:

1. Compatible with almost all Horizontal India type Mill Machines (4 angle legs type)
2. Stones face is pre-leveled for easy setting & first time working.
3. Available in Black Bond & White Bond stone bonding options.
4. Made with the utmost premium quality emery abrasive grits and other binding agents.
5. More durable & long life as compared to other stones.

Designed for global markets, this premium quality stone combines traditional stone grinding efficiency with modern engineering & design by offering reliable performance, global compatibility, and long-term durability for commercial milling businesses.

Bottom Rotating Stone Diameter Size	Thickness per pair (Approx.) mm	Tapered Bore Inside Rotating Stone (mm)	Net Weight per pair Red Emery (Approx.) Kg	Net Weight per pair Black Emery (Approx.) Kg
250 mm (10")	125	25 - 21	15	20
300 mm (12")	125	25 - 21	22	29
350 mm (14")	145	25 - 21	32	41
400 mm (16")	165	30 - 27	46	59
450 mm (18")	170	30 - 27	60	78

Bottom Rotating Stone Diameter Size	Thickness per pair (Approx.) mm	Tapered Bore Inside Rotating Stone (mm)	Net Weight per pair Red Emery (Approx.) Kg	Net Weight per pair Black Emery (Approx.) Kg
400 mm (16")	225	45 - 36	65	82
450 mm (18")	225	45 - 36	80	100
500 mm (20")	225	45 - 36	96	124
600 mm (24")	225	45 - 36	140	174
680 mm (27")	250	45 - 36	195	242
750 mm (30")	250	45 - 36	224	279
750 mm (30" x 33")	250	45 - 36	254	332

Vertical India Type Millstone



The STARSTONE Vertical India Type Millstone is the heart of every premium quality Starstone Vertical India type mill. Made of the finest emery abrasives & natural, safe bonding agents – this stone is ideal for dry food grinding with precision, efficiency, and reliability.

All our stones are mechanically balanced to ensure smooth operation, reduced vibrations, and long-term durability, It can fit in any standard compliant India type vertical mill with lower stone rotating & is available in two varieties – made of Natural Red Jasper Emery or Synthetic Black Emery – depending upon your preference.

This model is specifically manufactured for Indian Sub-continent markets & any country or company milling wheat chakki atta in any continent on earth., Available in various different size & thickness configurations to suit every scale of milling requirements. Its robust quality and state of the art manufacturing technique ensures stable, continuous operation in commercial environments. Engineered for grinding any type of dry food items, it is ideal for businesses looking for dependable stone milling solutions or replacing existing poor quality stone with a product of proven long-term performance across the world. It is even used for shelling (splitting) of pulse & chickpeas.

Features:

1. Compatible with almost all Vertical Denmark & India type Mill Machines. Various shaft bore sizes are also available.
2. Stones face is pre-leveled for easy setting & first time working.
3. Available in Black Bond & White Bond stone bonding options.
4. Made with the utmost premium quality emery abrasive grits and other binding agents.
5. More durable & long life as compared to other stones.

Designed for global markets, this premium quality stone combines traditional stone grinding efficiency with modern engineering & design by offering reliable performance, global compatibility, and long-term durability for commercial milling businesses.



Rotating Stone Diameter Size	Thickness per pair (Approx.)	Shaft Bore Available (mm)	Net Weight per pair Red Emery (Approx.)	Net Weight per pair Black Emery (Approx.)
200 mm (8")	75 mm	20 / 25	7	8
250 mm (10")	100 mm	20 / 25	12	14
290 mm (11.5")	140 mm	30 / 35 / 38 / 40	21	26
300 mm (12")	150 mm	30 / 35 / 38 / 40	24	29
350 mm (14")	150 mm	30 / 35 / 38 / 40	34	41
375 mm (15")	125 mm	30 / 35	34	42
400 mm (16")	150 mm	38 / 40	44	55
450 mm (18")	150 mm	38 / 40 / 45	57	70
500 mm (20")	150 mm	38 / 40 / 45 / 50	69	86
600 mm (24")	150 mm	45 / 50 / 60	116	136

Rotating Stone Diameter Size	Thickness per pair (Approx.)	Shaft Bore Available (mm)	Net Weight per pair Red Emery (Approx.)	Net Weight per pair Black Emery (Approx.)
350 mm (14")	225 mm	30 / 35 / 38 / 40	47	60
400 mm (16")	225 mm	38 / 40	62	81
450 mm (18")	225 mm / 250 mm	38 / 40 / 45	81 / 87	103 / 107
500 mm (20")	225 mm	38 / 40 / 45 / 50	102	129
600 mm (24")	225 mm	45 / 50 / 60	147	180

Vertical Flat Face Type Millstone



The STARSTONE Vertical Flat Face Type Millstone is a very unique type of millstone made by us which gives the miller more leverage on the design of grooves required. Made of the finest emery abrasives & natural, safe bonding agents – this stone is ideal for dry food grinding with precision, efficiency, and reliability. It doesn't have any pre-cast grooves thus enabling flexibility in any kind of pattern required as per the needs.

All our stones are mechanically balanced to ensure smooth operation, reduced vibrations, and long-term durability, It can fit in any standard compliant vertical mill & is available in two varieties – Grey Bond Colour & White Bond Colour – depending upon your preference.

This model is specifically manufactured for millers who want the freedom & flexibility to make any and all kinds of stone grooves., Available in four different sizes with vertical stone orientation configurations to suit every scale of milling requirements. Its robust quality and state of the art manufacturing technique ensures stable, continuous operation in commercial environments. Engineered for grinding any type of dry food items, it is ideal for businesses who are into grinding of cocoa & chocolate, especially in South America.

Features:

1. Revolutionary design giving the miller flexibility to make groove designs according to their own needs.
2. Stones face is pre-leveled for easy setting & first time working.
3. Available in Black Bond & White Bond stone bonding options.
4. Made with the utmost premium quality emery abrasive grits and other binding agents.
5. More durable & long life as compared to other stones.

Designed for global markets, this premium quality stone combines traditional stone grinding efficiency with modern engineering & design by offering reliable performance, global compatibility, and long-term durability for commercial milling businesses.

Rotating Stone Diameter Size	Thickness per pair (Approx.)	Shaft Bore Available (mm)	Net Weight per pair Black Emery (Approx.)
300 mm (12")	150 mm	30 / 35 / 38 / 40	32
400 mm (16")	150 mm	38 / 40	60
500 mm (20")	150 mm	40 / 45	100
600 mm (24")	150 mm	45 / 50	150

Horizontal Denmark Type Mill Machine



The STARSTONE Horizontal Danish Type Stone Mill is an export-ready flour mill machine designed to meet global performance standards, durability requirements, and regional compatibility needs. Built on traditional stone milling principles and engineered for modern commercial use, it delivers consistent, high-efficiency grinding across diverse applications.

Trusted by flour millers, co-operatives, agri-businesses, and food processing units in multiple countries, this machine is known for its reliability, precision, and long operational life under demanding conditions.

This model is specifically manufactured for international markets, with customizable electrical and mechanical configurations to suit regional standards. Its robust construction and advanced components ensure stable, continuous operation in commercial environments. Engineered for high output and minimal maintenance, it is ideal for businesses looking for dependable stone milling solutions with long-term performance.

Features:

1. Equipped with Premium High Strength 1st Grade Iron Channel frame.
2. Made with revolutionary technique which ensures minimal vibrations while functioning.
3. It can function long hours without a stop, ensuring maximum production value for commercial millers and mill plant owners.
4. Fitted with long lasting, dust resistant, SKF Bearings of the highest quality.
5. Made using best quality Nuts, Bolts, Washers, Studs & other premium quality fitments for high strength & long life.

Designed for international markets, this machine combines traditional stone grinding efficiency with modern engineering, offering reliable performance, global compatibility, and long-term durability for commercial milling businesses.

Size	Standard Pulley Size	Standard Hopper Capacity (Kgs)	Bearing & Shaft Size	Minimum Motor HP Required (3 Phase)	Suggested RPM	Average Output Per Hour* (Whole Wheat Flour)	Net Weight* (Only Mill Without Stones)	Gross Weight* (Mill Fitted with Stones)	Packed Weight* (Mill Fitted with Stones Packed in Wooden Box)
600 mm	450 mm (18") V- 38 or 400mm (16" x 4") Flat	45 Kgs	6210 & 6305	15	500	120 Kgs	150	340	400

Vertical Denmark Type Mill Machine



The STARSTONE Vertical Danish Type Stone Mill is a powerful yet compact milling solution trusted by bakers, millers, and food processing businesses worldwide. Featuring two vertically aligned premium STARSTONE brand emery millstones with one stone fixed and the other rotating. This model is ideal for dry food grinding with precision, efficiency, and reliability.

Its mechanically balanced cast iron construction, fitted with premium SKF bearings, ensures smooth operation, reduced vibrations, and long-term durability, all in a space-saving vertical format. Designed with exporters and commercial users in mind, this model offers industrial-grade performance in a compact, internationally shippable frame.

This model is specifically manufactured for international markets, with customizable electrical and mechanical configurations to suit regional standards. Its robust construction and advanced components ensure stable, continuous operation in commercial environments. Engineered for high output and minimal maintenance, it is ideal for businesses looking for dependable stone milling solutions with long-term performance.

Features:

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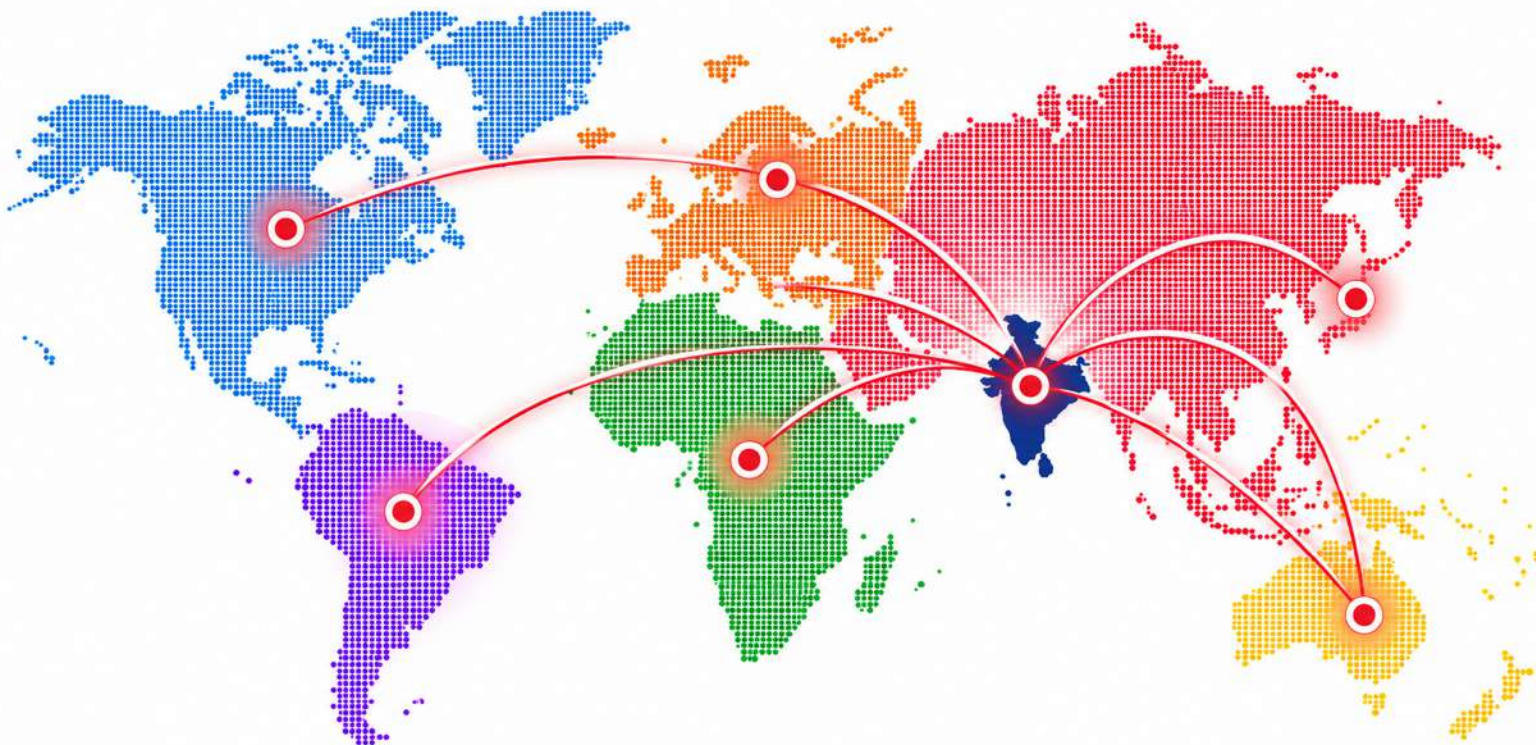
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Size	Standard Pulley Size	Standard Hopper Capacity (Kgs)	Bearing & Shaft Size	Minimum Motor HP Required (3 Phase)	Suggested RPM	Average Output Per Hour* (Whole Wheat Flour)	Net Weight* (Only Mill Without Stones)	Gross Weight* (Mill Fitted with Stones)	Packed Weight* (Mill Fitted with Stones Packed in Wooden Box)
300 mm (12")	250 mm (10") V - 28 or 250 mm (10" x 4") Flat	30	6208 40 mm	5	650	50 Kgs	115	145	170
400 mm (16")	300 mm (12") V - 28 or 300 mm (12" x 4") Flat	35	6208 40 mm	7.5 - 10	600	80 Kgs	130	185	225
500 mm (20")	350 mm (14") V - 38 or 350 mm (14" x 4") Flat	40	6209 45 mm	10 - 15	550	130 Kgs	190	280	330
600 mm (24")	400 mm (16") V - 38 or 400 mm (16" x 4") Flat	50	6210 50 mm	15 - 20	500	180 Kgs	270	410	490

Global Presence

Engineered in India. **Trusted Worldwide.**

From pioneering composite emery millstones in Asia to serving manufacturers across continents, Starstone has earned the confidence of industries that demand uncompromising performance, dependable support, and engineering excellence.



200+ Global Distributors

A trusted international network ensures local product availability, dependable service, and technical support wherever our customers operate.



Trusted Across Continents

Starstone milling products power industries across Africa, Middle East, South America, Asia and expanding European markets, delivering consistent performance.



Engineering Without Borders

From pioneering Asia's first emery millstones to exporting premium milling solutions, Starstone continues to carry decades of engineering excellence to manufacturers across the globe.



LET'S BUILD YOUR **NEXT MILLING SOLUTION.**

Whether you're setting up a new facility, expanding production or upgrading your equipment, our team is here to help you find the right Starstone solution for your material, capacity and application.



REQUEST A CUSTOM QUOTE

Tell us your material, capacity and application. Our engineering team will get back to you with the right solution

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AJMER (RAJASTHAN), INDIA



SCAN TO
GET IN TOUCH