



Crafting the Future of Spice Processing.

SPICE PROCESSING PLANT



Judged by Quality

Admitted for Innovation

Specialized in Spices

☎ : +91 94260 88680, +91 9427417384, +91 88493 52717

✉ : info@jasenterprise.com 🌐 : www.jasenterprise.com



ABOUT JAS ENTERPRISE

Founded in 1990 under the visionary leadership of Mr. Sumatilal M. Sheth, JAS Enterprise has become one of India's most trusted manufacturers and exporters of spice processing plants and machinery. With more than three decades of experience, we blend traditional spice-processing knowledge with advanced engineering to deliver world-class, reliable, and hygienic solutions for the global food industry. Built on continuous innovation, precision manufacturing, and uncompromising quality standards, JAS Enterprise supports spice processors, food manufacturers, co-packers, research laboratories, and turnkey project consultants with high-performance equipment covering every stage of spice preparation—from cleaning and drying to grinding, blending, and packaging.

Product Portfolio

Cleaning & Sieving Solutions

High-efficiency equipment designed to remove impurities and ensure consistent product quality.

- Horizontal Centrifugal Sieve / Sifter – Ideal for cleaning and destoning red chilli and similar whole spices.
- Spice Cleaning Machine – Suitable for coriander, cumin (jeera), fennel (saunf), black pepper, fenugreek, mustard, ajwain, and other spice seeds.
- Magnetic Hopper – Removes ferrous impurities to ensure clean and safe processing.
- Vibrating Screens (Gyro Screen Machines) – Accurate particle separation across multiple mesh sizes.

Roasting & Drying Systems

- Engineered for moisture reduction, flavour enhancement, and uniform heat transfer.
- Spice Roasters (Induction / Electric / Gas) – Uniform roasting of chilli, coriander, cumin, garam masala, sambar masala, and blended spices.
- Tray Dryers – Controlled drying of turmeric, ginger, garlic, and heat-sensitive ingredients.
- Industrial Dehydrators – Designed for large-scale drying of chilli, onion, garlic, ginger, herbs, and leafy spices prior to grinding.

Grinding & Pulverizing Equipment

Precision grinding machinery engineered for efficiency, consistency, particle-size control, and hygiene.

- Spice Mill (Jacketed & Non-Jacketed) – Suitable for chilli, turmeric, coriander, etc.
- Masala Mixer Grinder – Ideal for wet masalas, gravy bases, red chilli paste, and spice blends.
- High-Speed Instant Spice Grinder – Preferred by labs, R&D units, and small-batch producers.
- Auto Suction Hammer Mill – high efficient Self-feeding, dust-free grinding system ideal for low-density spices like chilli, cumin, and coriander.
- Dual Motor Hammer Mill – high efficient Enhanced capacity and efficiency for bulk spice grinding.
- Single Motor Hammer Mill – Compact and economical for medium-scale processors.
- Stainless Steel Double Chamber Pulverizer – Ensures fine, uniform output for hard roots and spices.
- Impact Pulverizer (Screenless Type) – Delivers fine grinding with excellent colour retention; ideal for turmeric and high-oil spices.
- Pounding Machine – Traditional-style crushing for authentic texture and aroma.
- Two-Stage Pulverizer – Produces ultra-fine powder with precise particle-size management.

Mixing & Blending Machines

Ensure uniformity and consistency in premium spice blends.

- Ribbon Blender – Suitable for masala mixes, seasoning blends, and premixes.
- Paddle Mixer – Gentle blending mechanism for delicate, heat-sensitive spice formulations.

Conveying & Discharge Solutions

Designed for efficient, dust-free movement in modern spice plants.

- Rotary Airlock Valve – Ensures controlled discharge of powdered spices from cyclones and hoppers.
- Screw Conveyor – Smooth, efficient material transfer between various plant stages.

Why Choose JAS Enterprise?

- 35+ Years of Expertise – Pioneer in the spice processing machinery industry since 1990.
- End-to-End Solutions – Complete range for cleaning, roasting, grinding, blending, and drying.
- Global Standards – Built for hygiene, durability, food safety, and CE-compliant operations.
- Custom Engineering – Turnkey plant design for labs, startups, SMEs, and large industrial processors.
- Worldwide Presence – Trusted by thousands of spice manufacturers across India, Africa, the Gulf, Europe, North America (USA & Canada), and Asia.

HORIZONTAL CENTRIFUGAL SIEVE/SIFTER



Model No.	Screening Chamber Size	Required HP	Capacity per hour
JAS-CRS-3072	30" x 72"	1 - 2	300-500
JAS-CRS-30108	30" x 108"	2 - 3	500-750
JAS-CRS-30144	30" x 144"	3 - 5	750-1000
JAS-CRS-30180	30" x 180"	5 - 7.5	1000-1500
JAS-CRS-36108	36" x 108"	5 - 7.5	1500-2000
JAS-CRS-48108	48" x 108"	5 - 7.5	2000-2500

Uses: Ideal for grading and separating whole spices like chilli, and other spices by size and density.

SPICE ROASTING MACHINE



Model No.	JAS-ASR-50	JAS-ASR-100	JAS-ASR-200	JAS-ASR-400	JAS-ASR-800	JAS-ASR-1000
Roasting Drum Size	50 Litres	100 Litres	200 Litres	400 Litres	800 Litres	1000 Litres
Output Capacity	10-20 kg/hr	25-50 kg/hr	50-100 kg/hr	100-200 kg/hr	200-400 kg/hr	500 kg/hr
Max. Batch Capacity	10 kg	25 kg	50 kg	100 kg	200 kg	250 kg
Contacting Parts	SS 304	SS 304	SS 304	SS 304	SS 304	SS 304
Non-Contacting Parts	Painted MS with insulated SS 304 Drum	Painted MS with insulated SS 304 Drum	Painted MS with insulated SS 304 Drum	Painted MS with insulated SS 304 Drum	Painted MS with insulated SS 304 Drum	Painted MS with insulated SS 304 Drum
Motor Power	0.5 HP(0.37 kW) 3 phase 415 Volt	1 HP(0.75 kW) 3 phase 415 Volt	2 HP(1.5 kW) 3 phase 415 Volt	3 HP(2.25 kW) 3 phase 415 Volt	5 HP(3.75 kW) 3 phase 415 Volt	5 HP(3.75 kW) 3 phase 415 Volt
Heating System with Automatic Temp. Controller	6 kW	8 kW	12 kW	24 kW	36 kW	36 kW
Machine Dimension (LxWxH) & Weight	42" x 42" x 48" 145 kg	54" x 48" x 60" 245 kg	60" x 60" x 66" 355 kg	60" x 60" x 72" 465 kg	85" x 48" x 66" 1000 kg	165" x 165" x 72" 1500 kg

Uses : Used for roasting cumin, coriander, fennel, fenugreek, sesame, and other spices uniformly

SPICE CLEANING MACHINE



Model No.	JAS-CM-252	JAS-CM-360	JAS-CM-380	JAS-CM-480
Model Capacity	200 kg/hr	400 kg/hr	600 kg/hr	1000 kg/hr
Sieve Size in Feet	1.5' x 3'	4' x 2'	6' x 2'	8' x 3'
Motor	0.5 HP	0.5 HP	1 HP	1 HP
Type of Grading	3 Types			

Uses: Suitable for Removes dust, impurities, and light foreign particles from raw spices before processing. coriander, cumin, fennel, Celery, mustard seeds, and similar whole spices

SPICE MILL



Model No.	Chamber Size	Motor	Capacity	Size of Machine	Weight
TW-SM-1302FL	Ø 12" x 6" width	2 HP	30-35 kg/hr	20" x 15" x 37"	60 kg
TW-SM-1303FL	Ø 12" x 6" width	3 HP	45-50 kg/hr	20" x 15" x 37"	90 kg
TW-SM-1305FL	Ø 12" x 6" width	5 HP	75-80 kg/hr	20" x 15" x 37"	125 kg
TW-SM-1375FL	Ø 14" x 8" width	7.5 HP	100-120 kg/hr	59" x 22" x 32"	220 kg
TW-SM-1310FL	Ø 14" x 8" width	10 HP	150-160 kg/hr	59" x 22" x 32"	250 kg
TW-SM-1315FL	Ø 16" x 8" width	15 HP	225-240 kg/hr	50" x 22" x 48"	350 kg
TW-SM-1320FL	Ø 20" x 10" width	20 HP	300-350 kg/hr	54" x 28" x 59"	400 kg

Uses : Grinding Red chillies, Black Pepper, Clove, Cinnamon, Cardamom, Coriander Seeds, Nutmeg, Ginger Root, Yucca Root, Cassava Root, Dill Seed etc. and Herbs like Oregano, Basil, Thyme, Coffee, Roasted Seeds, Dry Leaves, Hard Herbs into fine powder. Sea Salt, Rock Salt, Black Salt, Sugar etc.

MASALA MIXER GRINDER MACHINE



Model No.	Motor	Chamber Size	Machine Size
JAS-MG-1210	3 HP	Ø 12" x 10" Depth	36" x 16" x 35"

Uses : Preparing dry spice blends like Garam Masala, Sambhar Masala and Curry Powder, Dehydrated Gravy & Foods.

INSTANT SPICE GRINDER MACHINE



Model No.	Motor	Production per Batch	Size	Weight
JAS-MG-300	1500 watts	300 g	9" x 8" x 14"	4 kg
JAS-MG-500	2000 watts	500 g	10" x 8" x 14"	5 kg
JAS-MG-1000	3000 watts	1000 g	11" x 8" x 14"	6 kg
JAS-MG-2000	4000 watts	2000 g	11" x 10" x 15"	8 kg
JAS-MG-3000	5000 watts	3000 g	11" x 11" x 17"	12 kg

Uses : Suitable for quick grinding of Chili, Pepper, Coriander and other small spice batches

AUTO SUCTION HAMMER MILL



Uses : Suitable for light weighted spices like Red Chilli, Cumin, Coriander Seeds, Leaves, etc... in medium to large scale production.

Model No.	Chamber Size	Motor for Hammer Mill	Motor for Blower	Motor for Rotary Feeding	Production Capacity per Hour
TW-AS-814	Ø 14" X 8" Width	5 or 7.5 HP	2 HP	1 HP	200-250
TW-AS-916	Ø 16" X 9" Width	7.5 or 10 HP	3 HP	1.5 HP	250-300
TW-AS-1016	Ø 16" X 10" Width	10 - 12.5 HP	3 HP	2 HP	300-350
TW-AS-1216	Ø 16" X 12" Width	12.5 - 15 HP	5 HP	2 HP - 3 HP	350-450
TW-AS-1416	Ø 16" X 14" Width	15 - 20 HP	5 HP	3 HP	450-550
TW-AS-1616	Ø 16" X 16" Width	20 - 25 HP	5 HP	3 HP	550-650
TW-AS-1620	Ø 20" X 16" Width	25 - 30 HP	5 HP	3 HP	650-700
TW-AS-1820	Ø 20" X 18" Width	30 - 40 HP	7.5 HP	3 HP	750-800
TW-AS-2020	Ø 20" X 20" Width	40 - 50 HP	7.5 HP	5 HP	850-1000
TW-AS-1824	Ø 24" X 18" Width	40 - 50 HP	10 HP	5 HP	900-1100
TW-AS-2024	Ø 24" X 20" Width	50 - 60 HP	10 HP	5 HP	1100-1300
TW-AS-2424	Ø 24" X 24" Width	60 - 75 HP	15 HP	5 HP	1300-1400
TW-AS-3024	Ø 24" X 30" Width	75 - 90 HP	15 HP	5 HP	1400-1600
TW-AS-3030	Ø 30" X 30" Width	100 - 125 HP	20 HP	7.5 HP	1600-1800
TW-AS-3630	Ø 30" X 36" Width	125 - 150 HP	20 HP	7.5 HP	1800-2000

DUAL MOTOR HAMMER MILL



Model No.	Chamber Size	Motor for Hammer Mill	Motor for Blower	Production Capacity per Hour
TW-DMHM-814	Ø 14" X 8" Width	5 or 7.5 HP	2 HP	180-200
TW-DMHM-916	Ø 16" X 9" Width	7.5 or 10 HP	3 HP	250-300
TW-DMHM-1016	Ø 16" X 10" Width	10 - 12.5 HP	3 HP	300-350
TW-DMHM-1216	Ø 16" X 12" Width	12.5 - 15 HP	5 HP	350-380
TW-DMHM-1416	Ø 16" X 14" Width	15 - 20 HP	5 HP	400-450
TW-DMHM-1616	Ø 16" X 16" Width	20 - 25 HP	5 HP	500-550
TW-DMHM-1620	Ø 20" X 16" Width	25 - 30 HP	5 HP	600-650
TW-DMHM-1820	Ø 20" X 18" Width	30-40 HP	7.5 HP	700-750
TW-DMHM-2020	Ø 20" X 20" Width	40-50 HP	7.5 HP	800-850
TW-DMHM-1824	Ø 24" X 18" Width	30-40 HP	7.5 HP	900-950
TW-DMHM-2024	Ø 24" X 20" Width	50-60 HP	10HP	1000-1100
TW-DMHM-2424	Ø 24" X 24" Width	60-75 HP	15 HP	1200-1300
TW-DMHM-3024	Ø 24" X 30" Width	75-90HP	15 HP	1400-1500
TW-DMHM-3030	Ø 30" X 30" Width	100-125 HP	20 HP	1500-1650
TW-DMHM-3630	Ø 30" X 36" Width	125-150 HP	20 HP	1700-1850

Uses : Ideal for Processing a wide range of materials like Spices, Red Chilli, Pepper, Coriander, Cumin, Garam Masala blends, Mango Powder, Herbal & Agro Residues: Poppy Husk, , Babul Seeds Grain & Pulse By-products: Husk of grains and pulses, peanut husk, sunflower seeds etc.

SINGLE MOTOR HAMMER MILL



Model No.	Chamber Size	Motor for Hammer Mill	Type of Hammer Mill	Production Capacity per Hour
TW-HM-48E	Ø 8" X 4" Width	2 HP	Economic	20-25
TW-HM-510E	Ø 10" X 5" Width	3 HP	Economic	30-35
TW-HM-612E	Ø 12" X 6" Width	5 HP	Economic	50-60
TW-HM-714E	Ø 14" X 7" Width	10 HP	Economic	50-70
TW-HM-714S	Ø 14" X 7" Width	10 HP	Super	60-100
TW-HM-814S	Ø 14" X 8" Width	12.5 HP	Super	150-200
TW-HM-916S	Ø 16" X 9" Width	15 HP	Super	200-300
TW-HM-1016S	Ø 16" X 10" Width	20 HP	Super	250-300
TW-HM-1216S	Ø 16" X 12" Width	20-25 HP	Super	300-350
TW-HM-1416S	Ø 16" X 14" Width	25-30 HP	Super	350-400
TW-HM-1616S	Ø 16" X 16" Width	30-40 HP	Super	400-450
TW-HM-1620S	Ø 16" X 20" Width	40-50 HP	Super	450-600
TW-HM-1624	Ø 16" X 24" Width	50-60 HP	Super	600-800
TW-HM-1820S	Ø 20" X 18" Width	50-60 HP	Super	600-800
TW-HM-1824S	Ø 18" X 24" Width	60-70 HP	Super	800-1000
TW-HM-2024S	Ø 24" X 20" Width	70-80 HP	Super	1200-1400
TW-HM-2424S	Ø 24" X 24" Width	80-100 HP	Super	1400-1600
TW-HM-3024	Ø 30" X 24" Width	100-125 HP	Super	2000-2200

Uses : Coarse to medium grinding of Red Chilli, Turmeric, Cumin, Coriander, Bladed Spices, Sugar, and Herbs.

STAINLESS STEEL DOUBLE CHAMBER PULVERIZER



Model No.	JAS-DCP-103	JAS-DCP-124
Primary Chamber	Ø 8 x 3"	Ø 10 x 4"
Secondary Chamber	Ø 10 x 3"	Ø 12 x 4"
RPM	2800	2800
HP(kW)	5 (3.8kW)	10 (7.5kW)
MOC	Stainless Steel	Stainless Steel

Uses : Best for fine grinding of turmeric, sugar, Long Pepper Root, Dried Ginger and Dry Masalas with uniform fineness.

IMPACT PULVERIZER (SCREEN LESS PULVERIZER)



Model No.	No. of Hammer	Required HP	Dimension of Machine in Feet	Production Capacity
TW-TGM-12	8	7.5 HP	10' x 10' x 10'	20-25 kg/hr
TW-TGM-16	8	15 HP	10' x 10' x 10'	70-75 kg/hr
TW-TGM-20	8	20 HP	10' x 10' x 11'	125-130 kg/hr
TW-TGM-25	8	30 HP	10' x 10' x 13'	200-250 kg/hr
TW-TGM-32	8	50 HP	10' x 10' x 13'	400-425 kg/hr
TW-TGM-32B	16	60 HP	12' x 10' x 16'	500-550 kg/hr
TW-TGM-42	16	100 HP	19' x 10' x 18'	1000-1100 kg/hr
TW-TGM-42B	16	125 HP	20' x 12' x 20'	1200-1400 kg/hr
TW-TGM-52	20	175 HP	20' x 12' x 20'	1400-1700 kg/hr
TW-TGM-62	24	200 HP	20' x 15' x 20'	1700-2000 kg/hr

Uses : Suitable for very fine powdering of Turmeric, Coriander, Long Pepper Root, Dried Ginger, Dehydrated Onion and other Spices

POUNDING MACHINE



Model No.	JAS-PM-101	JAS-PM-151	JAS-PM-201
No. of Hammers	2	3	4
Hammer Diameter	50 mm	50 mm	50 mm
Hammer Lengths	1200 mm	1200 mm	1200 mm
Configuration	Two	Three	Four
Drive Type	V- Belt	V- Belt	V- Belt
Power Supply	1 HP	2 HP	2 HP
Cam Shaft RPM	95 to 100	95 to 100	95 to 100
Pound per minute	195 to 200	285 to 300	390 to 400
Production Capacity	8 - 10 kg/hr	12-15 kg/hr	16-20 kg/hr

Uses : For Traditional Pounding of Red Chilli, Cardamom, Cloves, Pepper and Herbal Roots to preserve natural aroma.

VIBRATING SCREENS (GYRO SCREEN MACHINE)



Model No.	Machine Diameter	Motor	Electric Supply
JAS-VS-550	Ø 24 inch	0.5 HP (0.375 kW)	3 Phase / 440 Volts / 50 Hz
JAS-VS-600	Ø 28 inch	0.5 HP (0.375 kW)	
JAS-VS-800	Ø 34 inch	1 HP (0.75 kW)	
JAS-VS-1000	Ø 39 inch	1 HP (0.75 kW)	
JAS-VS-1200	Ø 48 inch	1.5 HP (1.1 kW)	
JAS-VS-1500	Ø 60 inch	2 HP (1.5 kW)	

Uses : Sieving Powder of Chili, Turmeric, Coriander and Blended Masalas, Dehydrated Food Powders, Flour, Spice Powders, Guar Gum, Isabgol to achieve uniform mesh size.

RIBBON BLENDERS



Model No.	Chamber size in inch (LxWxH)	Volume in litres	Spices Capacity	Motor HP
JAS-RB-50	18" x 12" x 15"	50	10 kg	1 HP
JAS-RB-100	21" x 15" x 18"	80	25 kg	2 HP
JAS-RB-250	24" x 18" x 24"	150	50 kg	3 HP
JAS-RB-500	36" x 18" x 24"	250	100 kg	5 HP
JAS-RB-1000	48" x 24" x 30"	500	200 kg	7.5 HP
JAS-RB-1500	60" x 30" x 36"	1000	500 kg	10 HP
JAS-RB-2000	84" x 30" x 36"	1250	750 kg	12.5 HP
JAS-RB-3000	120" x 30" x 36"	2000	1000 kg	15 HP

TILTING TYPE RIBBON BLENDERS



Model No.	Chamber size in inch (LxWxH)	Motor
JAS-ERB-50	24" x 18" x 24"	2 HP
JAS-ERB-100	36" x 18" x 24"	3 HP
JAS-ERB-250	60" x 18" x 24"	5 HP

Uses : Ribbon Blenders are used in Spice Processing to Mix Dry Powders uniformly. They blend ingredients like Chilli, Turmeric and Garam Masala without damaging aroma or texture. Ideal for consistent spice blends, seasoning mixes, and hygienic batch preparation.

PADDLE MIXER



Model No.	Chamber size in inch (LxWxH)	Volume in litres	Kg for Batch	Motor HP
JAS-PB-181215	18"x12"x15"	50	10	2
JAS-PB-211518	21"x15"x18"	80	25	3
JAS-PB-241824	24"x18"x24"	150	50	4
JAS-PB-361824	36"x18"x24"	250	100	7.5
JAS-PB-482430	48"x24"x30"	500	200	10

Model No.	Machine Size	Tank Size in Inch	Motor HP	Mixing Capacity per Batch
JAS-EPM-12	30"x25"x26"	12"	0.5	2-4 Kg
JAS-EPM-18	30"x26"x27"	18"	1	4-8 Kg
JAS-EPM-24	56"x25"x41"	24"	1.5	10-30 Kg
JAS-EPM-36	68"x25"x41"	36"	2	15-60 Kg
JAS-EPM-60	92"x25"x41"	60"	3	20-80 KG

Uses : Ideal for thorough mixing of spices, herbs, and seasoning powders with minimal heat generation

2 Stage Pulveriser



- Rotary Air Lock Valve :** Suitable for discharge of powdered spices like chili, coriander, and turmeric from cyclone or hopper.
- Screw Conveyor :** Used for transferring chili powder, turmeric powder, and other spice materials between machines.
- Tray Dryer :** For drying turmeric, ginger, garlic, and other spice ingredients uniformly at controlled temperature.
- Dehydrator :** Suitable for dehydrating onion, garlic, ginger, chili, and herbs before grinding.
- Magnetic Hopper :** Removes ferrous impurities from coriander, cumin, and other spice seeds before processing.



**RIBBON BLENDER WITH
SCREW CONVEYER AND VIBRO SCREEN**

TRAY DRYER



SCREW CONVEYOR



DEHYDRATOR



Jas Enterprise

27-29, Om Industrial Park Part-2,
Insight of Paavan Industrial Estate Gate No.2,
Bakrol Bujrang, Ahmedabad, Gujarat-382433, India.

☎ : +91 94260 88680, +91 9427417384, +91 88493 52717

✉ : info@jasenterprise.com

🌐 : www.jasenterprise.com



Food Processing Machines -
Jas enterprises

📷 [jasenterprise](#) 📺 [jasenterprise1990](#) 🐦 [jasenterprise1990](#) 📺 [jasenterprise1990](#) 📺 [jasenterprise1990](#)

Disclaimer

Design & Specifications : We reserve the right to modify any dimensions, designs, features, or specifications without prior notice as part of our continuous improvement process.

Capacity Figures : All capacity figures mentioned are indicative and may vary depending on product characteristics, operating conditions, and other influencing factors.

Legal Notice : This catalogue is intended solely as a general guideline. It does not constitute any legal, contractual, or binding obligation in any form.