



IMPACT PULVERIZER

AUTO SUCTION HAMMER MILL

HAMMER MILL

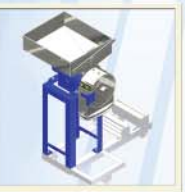
BOTTOM DISCHARGE HAMMER MILL

SPICE MILL

POUNDING MACHINE

FOUR HAMMER POUNDING MACHINE

DRY & WET PULVERIZER



WET PULVERIZER

MINI PULVERIZER

JACKETED MINI PULVERIZER

BLACK PEPPER DAL MAKING MACHINE

MULTI CAMBER PULVERIZER

MINI DAL MILL

EMERY SCOURER

DAL POLISHER



VIBRO SCREEN

CENTRIFUGAL SIEVES / SIFTER

RIBBON BLENDER

SINGLE PADDLE MIXER 'U' TYPE

DOUGH KNEADER

SEMI AUTOMATIC CHAPATI MAKING M/C

RAW CHAPATI MAKING MACHINE

AUTOMATIC CHAPATI MAKING MACHINE



NOODLE MAKING MACHINE

NOODSLE STEAMING MACHINE

ECONOMIC STEAMER

IDLI DHOKLA MOMOS STEAMER

SHEVAYA MACHINE

VERMICELLI MAKING MACHINE

TRAY DRYER DRYING OVEN

VEGETABLE PEELER



POTATO CHIPS CRISPS MAKING MACHINE

HAND OPERATED POTATO CHIPS MAKING MACHINE

FRENCH FRY MAKING MACHINE

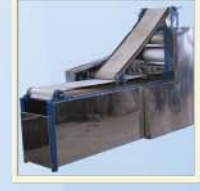
BANANA WAFER MACHINE

RECTANGULAR FRYER

CIRCULAR BATCH FRYER

CONTINUOUS FRYER

COATING PAN



MKEEN MAKING MACHINE

CENTRIFUGAL DRYER MACHINE

DOUGH KNEADER WITH EXTRUDER

PAPAD MAKING MACHINE

CONTINUOUS PAPAD DRYER

PANI PURI MAKING MACHINE

ECONOMIC MIXER GRINDER BLENDER

MIXER GRINDER BLENDER



STIRRER

MULTIPURPOSE VEGETABLE CUTTER

VEGETABLE SLICER, DICER, GREATER

GREEN CHILL ONION CHOPPER

DRY FRUIT TUKDA MACHINE

DRY FRUITS CHIPS MAKING MACHINE

DRY FRUITS CHIPS MAKING M/C WITH MOTOR

MULTIPURPOSE DRY FRU CHIPS & POWDER MACHIN



CENTRIFUGAL JUICER

MASTICATING JUICER

VEGETABLE & FRUIT PULPER

HOT BEVERAGE VENDING MACHINES

# Jas ENTERPRISES

AN ISO 9001:2008 CERTIFIED COMPANY

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## HERBS & SPICE GRINDER



Jas enterprises offer herbs & spice grinder, which grinds red chillies, black pepper, white pepper, cinnamon, cardamom, coriander, red pepper, oregano, basil, thyme, dill seed, shell corn, ginkgo, ginseng, cave, black cohosh, ginger root, yucca root, cassava root, and poultry feed et cetera it provided with a set of three numbers of perforated round holes screens, one brush for cleaning the machine. Is also has 3 meter cable with a plug and fitted with ampere meter and miniature circuit breaker for overload protection for motor. Also equipped with beaters are fully machined and balanced. Its feature includes dust free operation; does not waste product and cause no pollution hazards. Another feature of this mill is that effective and continuous crushing leads to increased production and faster return on investments.

### Operating Principle of herbs & spice grinder

Jas enterprise's herbs & spice grinders are durable utility grinders capable of grinding most herbs & spices. The techno wings herbs & spice grinder comprises of a heavy duty aluminum body (alternatively stainless steel construction can be provided in herbs & spice grinder wherever necessary). Herbs & spice grinder operate on the principle that most materials will grind or crush upon impact with the hammers. The material is feed into a herbs & spice grinder from the front centered through an gravity into the grinding chamber. The grinding chamber of herbs & spice grinder is lined with serrated wear plates, which protects the body from wear and tear. The material is contacted by a series of rotating, & dynamically balance hammers. The material is ground by repeated contact with these hammers, contact with the serrated wear plates of the grinding chamber, and particle to particle contact. The material remains in the grinding chamber until it is suitably sized to pass through the perforated screen that covers the bottom half of the grinding chamber. Excess air filtered through a cotton balloon. Particle size varied using screens with different size holes.

### Construction of herbs & spice grinder

Herbs & spice grinder is made from heavy duty mild steel fabricated structure. Heavy duty iron structure is covered with stainless steel sheet. Aluminum grinding chamber lined with serrated wear stainless steel plates, which protects the body from wear and tear. Grinding done by a set of fixed blades or hammers on a balanced rotor. A screen classifier forms the lower half of the grinding chamber.

### Typical Application of herbs & spice grinder

The techno wings brand herbs & spice grinder can be used for a wide range of application e.g. Animal & poultry feeds, food products, herbs & spices like red chillies, black pepper, white pepper, cinnamon, cardamom, coriander, red pepper, oregano, basil, thyme, dill seed, shell corn, ginkgo, ginseng, cava, black cohosh, ginger root, yucca root, cassava root, tea, coffee, suitable for dry leaves, hard herbs, sugar, all lintels grinding, et cetera

### Outstanding Features of herbs & spice grinder

- Interchangeable screens in numerous sizes to produce the exact particle size desired
- Easy to change screens in a variety of sizes
- Hinged door for easy access to herbs & spice grinder interior
- Cold, dust free & silent running.
- Spice mill is not required any v belts thus less friction losses.
- All contacting parts are aluminum & stainless steel no corrosion hazards.
- Low specific power consumption, increased production leading to faster return on the investments.
- Durable long life
- Low temperature rise for heat sensitive materials

## Technical Specifications of Front loading Herbs & spice grinder

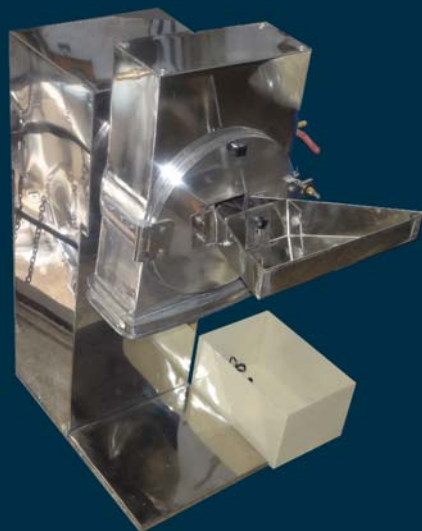
Model No	Chamber Size (Ø= Diameter X width)	2 pole electric motor	Approximate Production Capacity Per Hour	Size Of the machine
Tw-SM-1302FL	Ø 12 Inch X 6 Inch Width Ø 300 X 150 mm	2 HP	30-35 Kilogram	36 X 50 X 93 CM 60 Kilogram (Approximate)
Tw-SM-1303FI	Ø 12 Inch X 6 Inch Width Ø 300 X 150 mm	3 HP	45-50 Kilogram	36 X 50 X 93 CM 90 kilogram(Approximate)
Tw-SM-1305FL	Ø 12 Inch X 6 Inch Width Ø 300 X 150 mm	5 HP	75-80 Kilogram	36 X 50 X 93 CM 125 kilogram(Approximate)

## Standard accessories of herbs & spice grinder

- Two numbers cotton balloons
- Three sets of perforated round holes screens.
- One numbers of ampere meter
- Suitable totally enclosed fan cooled three phase or single phase sq. Cage motor {electricity (special power can be accommodated): 110/220/380/415 volts, 50/60 Hz, 1/3 phase}
- Three meter three core cable along with suitable miniature circuit breaker with 3 pin top as per for single phase electric motors or three meter four core cable with suitable starter for three phase electric motors.

## Extra accessories of herbs & spice grinder

- Magnetic hopper
- All contacting parts stainless steel 304 / 316 can be accommodated
- Water circulating system for cold grinding



Water Jacketed hers & spice Grinder



Rotor of hers & spice Grinder

