



ROLLER FLOUR MILLING SOLUTIONS

Flour Mill Machinery and Equipment

For Maida, Atta and Semolina mills



AUTOMATIC ROLLER MILL



Cleaning

Dampening

Roller Milling

Packing

EQUIPMENT RANGE

Roller Mills

Plansifters

Purifiers

Cleaning Machines

Conveying and Aspiration

Packing Systems

From Grain to Flour

Process overview, cleaning, dampening and roller milling



Plant process at a glance



Cleaning and Dampening



CLEANING

Pre-Cleaner (BAC-1500 type)

- Pre- and tail aspiration with built-in fan
- Scalping, grading and sand screen layers



CLEANING

Gravity Selector and De-Stoner

- Removes stones, separates light and heavy impurities
- Vacuum-based, twin vibro motors



CONDITIONING

Tri-Mix Dampener

- Three-rotor design shortens tempering time
- Uniform water and kernel blending

Roller Milling and Sifting



MILLING

Roller Mill M-7 Automatic

- 40 in (1000 x 250 mm) and 50 in (1250 x 250 mm) rolls
- Pneumatic roll engage / disengage, automatic sensor control
- Laser-cut 12 mm frame, CNC-machined parts



SIFTING

Plansifter 8:20

- Indian pinewood body with central shaft
- Inset frames, 500 x 500 mm tin sheet
- Large sieving area for accurate size separation

40 in + 50 in

roll sizes

12 mm

laser-cut frame

SMC Japan

pneumatic system

CNC

machined parts

Purification and Finishing



MILLING

Aspiration Purifier, Triple Deck

- Self-reversing travelling brushes, 24 sieve frames
- Air-control slides, imported motor
- Works with bran finishers, impact detachers, gyro and mini sifters, larva destroyers

Atta, Refection and Packing



ATTA

A1 Pesa Mill

- Compact high-compression atta system
- Mill, plansifter, bagging station and panel in one package
- Food-grade steel rollers, adjustable gap



REFECTION

Refaction Grinding System

- Hammer mill re-grinds refection stock for higher yield
- Worm and tube conveyors, bucket elevator, plate magnet



PACKING

Automatic Packaging

- Automatic bag filling and stitching
- Electronic auto-cut weighing
- Packing conveyor system

Conveying, Aspiration and Fabrication



Conveying

- Worm conveyors, bucket elevators, pneumatic lifts
- CNC-punched casings, hardened buckets



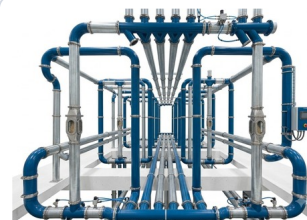
Aspiration and Dust Control

- Balanced direct-coupled fans
- Jet filters, 1200 / 1400 mm cyclones



Magnetic Protection

- 10,000 gauss square magnets
- Hopper magnets at scourer, first break, packing



Spouting and Ducting

- M.S. and powder-coated G.I. spouting
- 20 gauge aspiration ducting, hoppers

ALSO SUPPLIED

Bolting cloth for plansifters and purifiers, pulleys, couplings, V-belts, sprockets and chains, roll tanks, hoppers and bagging stands.

Our Equipment Range

Machinery and equipment for roller flour milling plants



Shiv Enterprise supplies roller flour mill machinery and equipment from Rajkot, Gujarat, covering every stage from grain cleaning to packing.

Cleaning and Dampening

- Drum sieve
- Pre-cleaner (BAC-1500 type)
- Vibro classifier separators
- Gravity selector and de-stoner
- Jumbo and cast-iron scourers
- Cockle cylinders
- Magnetic separator
- Tri-Mix and intensive dampeners

Milling and Sifting

- Roller mill M-7 automatic (40 in, 50 in)
- Plansifter 8:20
- Triple-deck aspiration purifier
- Vibro bran finisher
- Impact detacher, double pin
- Gyro and mini flour sifters
- Larva destroyer

Atta and Refection

- A1 Pesa mill
- Hammer mill
- Worm and tube conveyors
- Bucket elevator
- Plate magnet
- Pneumatic lift and high-pressure fan

Packing

- Automatic bag filling and stitching machine
- Electronic weighing system with auto-cut
- Packing conveyor system

Conveying and Aspiration

- Worm conveyors
- Bucket elevators
- Pneumatic lifts
- Fans, jet filters and cyclones
- Airlocks

Magnets and Fabrication

- 10,000 gauss square magnets
- Hopper and standard magnets
- Spouting and aspiration ducting
- Hoppers, roll tanks and packing tanks
- Bolting cloth, pulleys, couplings, V-belts



Let's plan your mill.

Contact us for machine specifications, layouts and a machinery proposal for your plant.

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