



Fennel



Chicory



Oats



Fenugreek leaves



Garlic



Coffee beans



Sunflower seeds



Maize seed



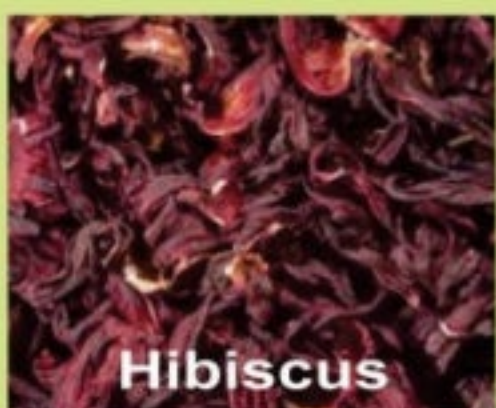
Cumin Seed



Cardamom



Mustard seeds



Hibiscus



Ground nuts



Coriander seeds



Pepper

Turnkey solutions for seed, grain and spices processing

We are a professionally managed, ISO certified company with promoters of the company having more than 50 years of combined experience in the field of providing turnkey solutions for the food/agro processing, packaging and general project engineering

In the last thirteen years of our operations under the current company name, we have sold and installed more than 1500 individual machines and more than 120 turnkey plants for seeds, grain and spices processing.

Our customers are spread across all the states of India and we have also exported to more than fifteen countries.

Our 'state of the art' centrally located manufacturing facility in makarpura, Vadodara-Gujarat, and our dedicated team of more than thirty five highly skilled and experienced personnel, give us un-parralled ability to deliver the projects at great speed and efficiency.

Our U.S.P. is our deep knowledge of the properties of various seeds, Grain and spices and our ability to work out a detailed procoesses to achieve the desired results on the same. We are also very well known for taking up new challenges and delivering a detailed, professional solution for the same. The large range of our processing machinery and turnkey processing plants is a testimony to our abilities.



Betelnut



Neem



Turmeric



Senna leaves



Red Chillies

Avity Agrotech Private Limited



Our infrastructure:



Demo Room



Main Factory and Office



Design and Engineering



CNC Turret Punching



Our Team



Waterjet Cutting



Shearing

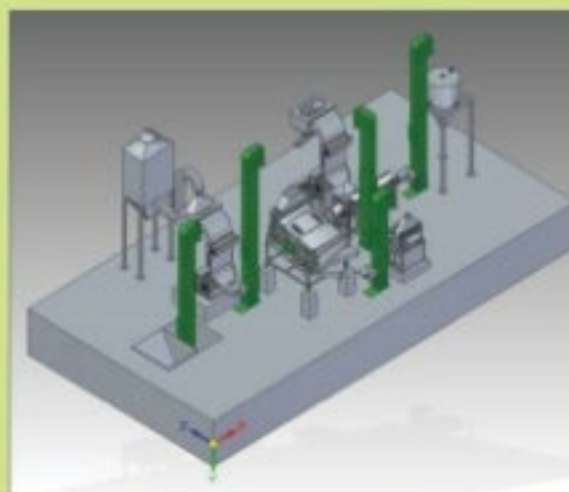
Highly qualified and experienced manpower and world class designing and manufacturing facilities available in-house and with partner companies, enabling us to deliver high quality services and machinery with shortest lead times



Laser Cutting



Cooling, Welding and General Machining



'Solid edge', 3D Design and Analysis Software



CNC Bending



Raw Material Storage and Cutting



Final Assembly Area



Finishing and Painting

Avity Agrotech Private Limited



Some of our Esteemed Customers:



Avity Agrotech Private Limited



Our Range of Machinery :



Screen Grader



Vaccum destoner



Pressure Gravity Separator



Vaccum Gravity Separator



Maize De-germinator



Fruit/Vegitable Washer



Precision Air classifier



Rotary Batch Mixer



Magnetic Destoner



Pulverizer/Hammer Mills



Turmeric/betelnut Cutter



Vibro Sifter



Ribbon Blender



Impact Huller



Pressure Destoner

OFFICE AND WORKS : Plot No. 989/4, G.I.D.C., Makarpura, Vadodara, Gujarat, India, Pin Code : 390010
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Turnkey Excellence in :

- Seed/Grain Cleaning and Sortex Plants.
- Maize De-Germination and Milling Plants
- Garlic Processing Plants.
- Sunflower and Safflower Seed Cleaning & Hulling Plants.
- Neem Seed Cleaning and De-Cortication Plants
(For Neem Oil and Azadirachtin Extraction)
- Seed Spices Cleaning & Sorte Plants.
- Seed Spices Multi Stage Pulverizing Plants.
- Red Chilli Multi Stage Pulverizing Plants.
- Turmeric Cleaning and pulverizing Plants.
- Soyabean Seed Cleaning and Milling Plants.



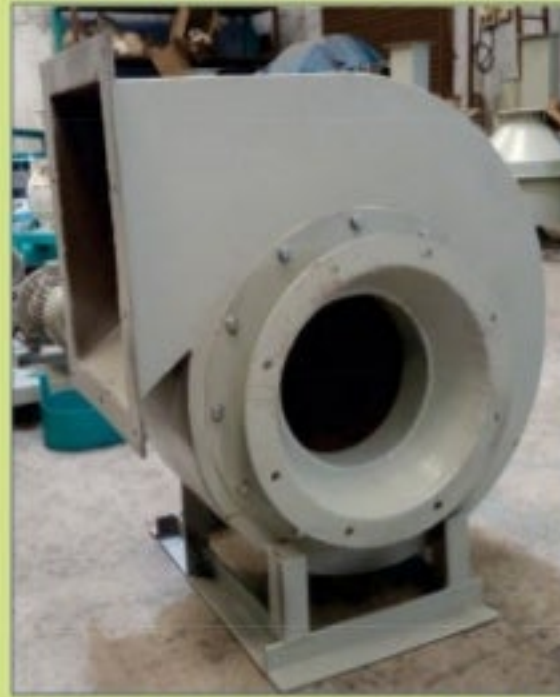
Avity Agrotech Private Limited



Material conveying and transfer systems:



High Pressure Fan



Low Pressure Fan



Bucket Elevators



Screw Conveyor



'Z' Type Elevator



Modular Belt Washer Conveyor



Modular Belt Conveyor



Bag Filter/Pulse Jet Filter



Bag Conveyor/ Truck Loader



Cleated Belt Conveyor



Flat Belt Conveyor



Cleated belt Conveyor

Maize grits and semolina plant : (can also do soya grits and semolina)



Large soya Grits



Medium soya Grits



Small soya Grits



Soya Bean



Soya Flour



Soya semolina

Products from maize-degermination plant



Large Grits



Medium Grits



De-germed maize flour



Maize Grain



Small Grits



Cattle Feed



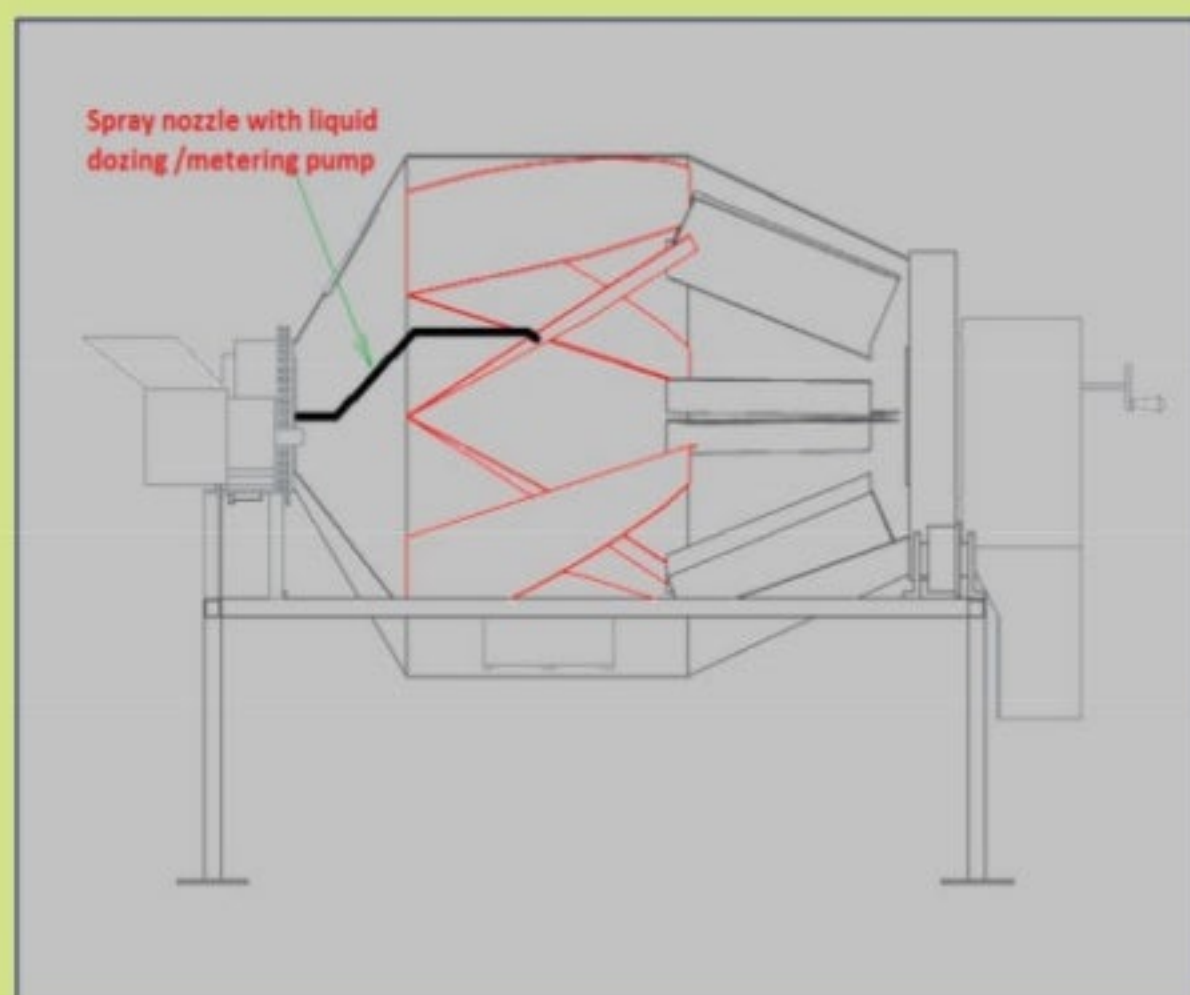
Malze semolina - 101



Maize semolina - 108

- ✦ 100% made in India by 'Avity'.
- ✦ Most economical plant in terms of capital investment and R.O.I.
- ✦ Most compact plant in terms of Area requirement.
- ✦ Lowest connected load + Lowest actual power consumption for given capacity.
- ✦ Available in 2 tons/hr and 4 tons/hr standard configurations.
(Higher or lower configuration can be designed upon request)

Rotary batch mixer :



Unique Points :

- * Produces homogeneous mix of solid particles within 1.5 to 2 minutes.
- * Fully discharges all the material within 5 minutes.
- * No damage to sensitive products like tea, breakfast cereal etc, while mixing.
- * Facility of dosing pump for uniform spraying & mixing of liquid on solid particles.
- * Inner volume available from 0.5m³ to 10.0m³. (i.e batch size from 50kg to 2 tons/hr)
- * Cleaning time of less than 15 mins in dry mixing and maximum 30 minutes where liquid dosing/mixing is done.
- * Excellent and economical substitute to expensive imported blenders without compromising in quality of the blend.

Application examples:

- * Producing homogeneous mix of spices/ raw material coming from various farms.
- * Tea blending and spraying/ blending of liquid flavour in tea.
- * Production of blended spices (raw or powder form).
- * Dosing/ blending of oil in chilli powder.
- * Producing Asafoetida (hing), mixes.
- * Blending of coffee with chicory.

Impact huller machine:



Our universal de-huller/ de-corticator/ de-bearder machine is a very versatile machine that works on the principal of tangential velocity and is used for hulling/decortication of a variety of seeds and also for de-bearding of various seed spices like cumin, fenugreek and coriander.

It's speciality is that a single machine can process more more than 10 types of grain/seeds and several seed spices, without doing any major damage to the inner seed.



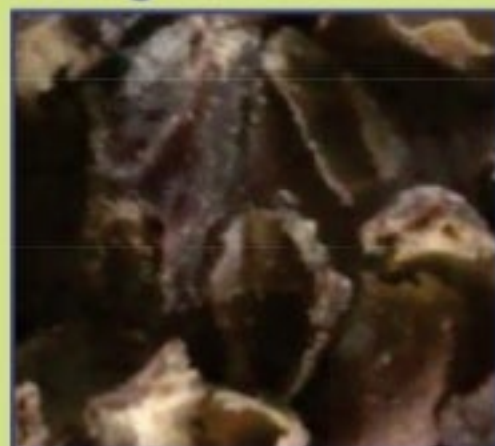
Coffee Seed Hulling



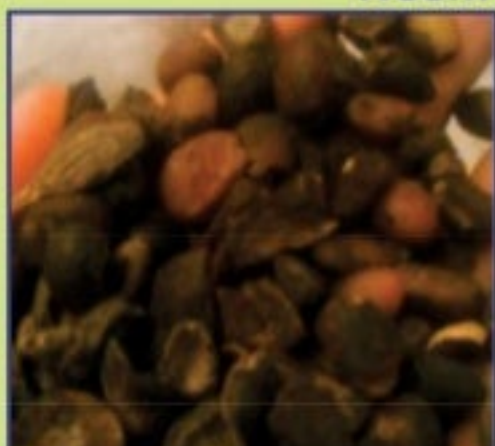
Cotton Seed Hulling



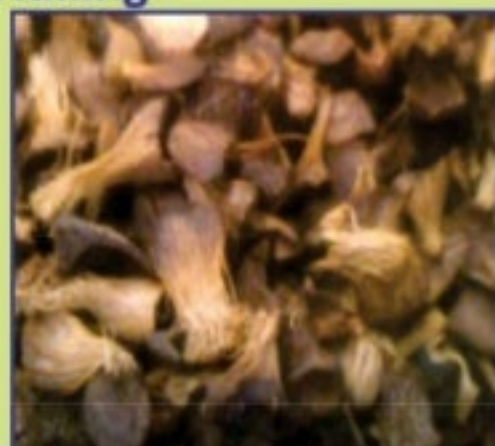
Neem Seed Hulling



Cardamom Seed Hulling



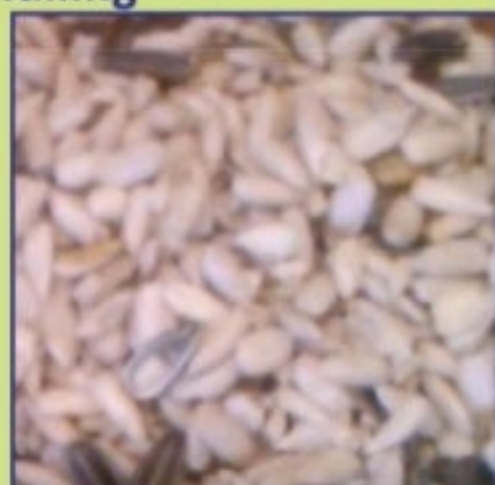
Palm Seed Hulling



Oats Hulling



Sunflower Seed Hulling



Mustard Seed Hulling



Organic hulling plant for sesame:



Organically hulled sesame seeds

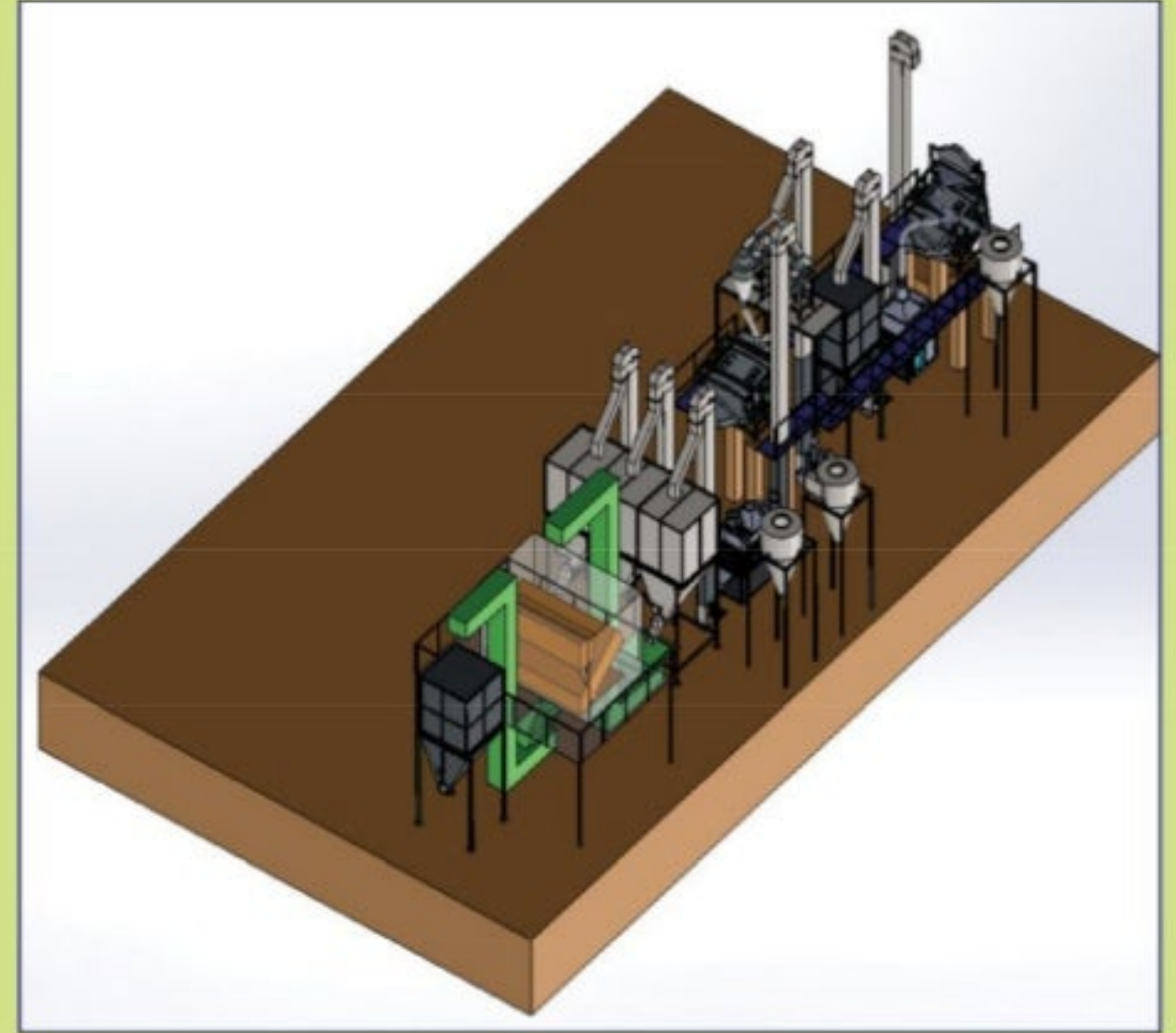
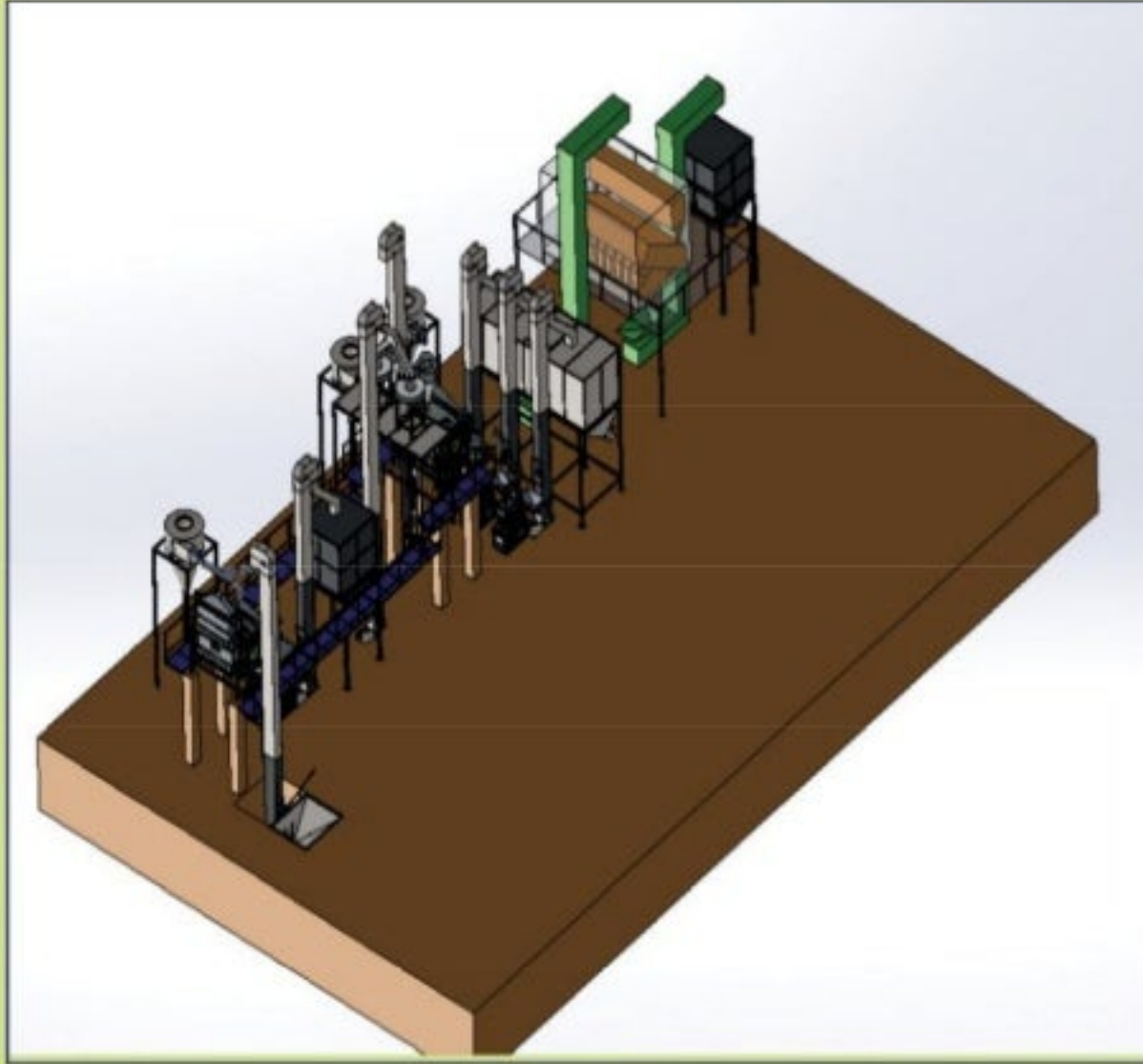


Outer hulls or bran from hulling process

Highlights:

- * No chemicals used, only tap water required.
- * 100% pollution free process (no air or water pollution).
- * Zero water discharge from the process.
- * Continuous process with capacity upto 1 ton/hr (no batch process = more production).
- * 100% made in India by 'Avity'.

Sunflower seed and mustard seed cleaning, hulling and color sorting plant (Fully Automatic):



Mustard skin/hulls
(by product)



Mustard splits
(after mechanical separation)



Mustard splits
(after Color sorting)



Mustard Powder
(by product)



Sunflower seed hulls
(by product)



Sunflower whole kernels
(after mechanical separation)



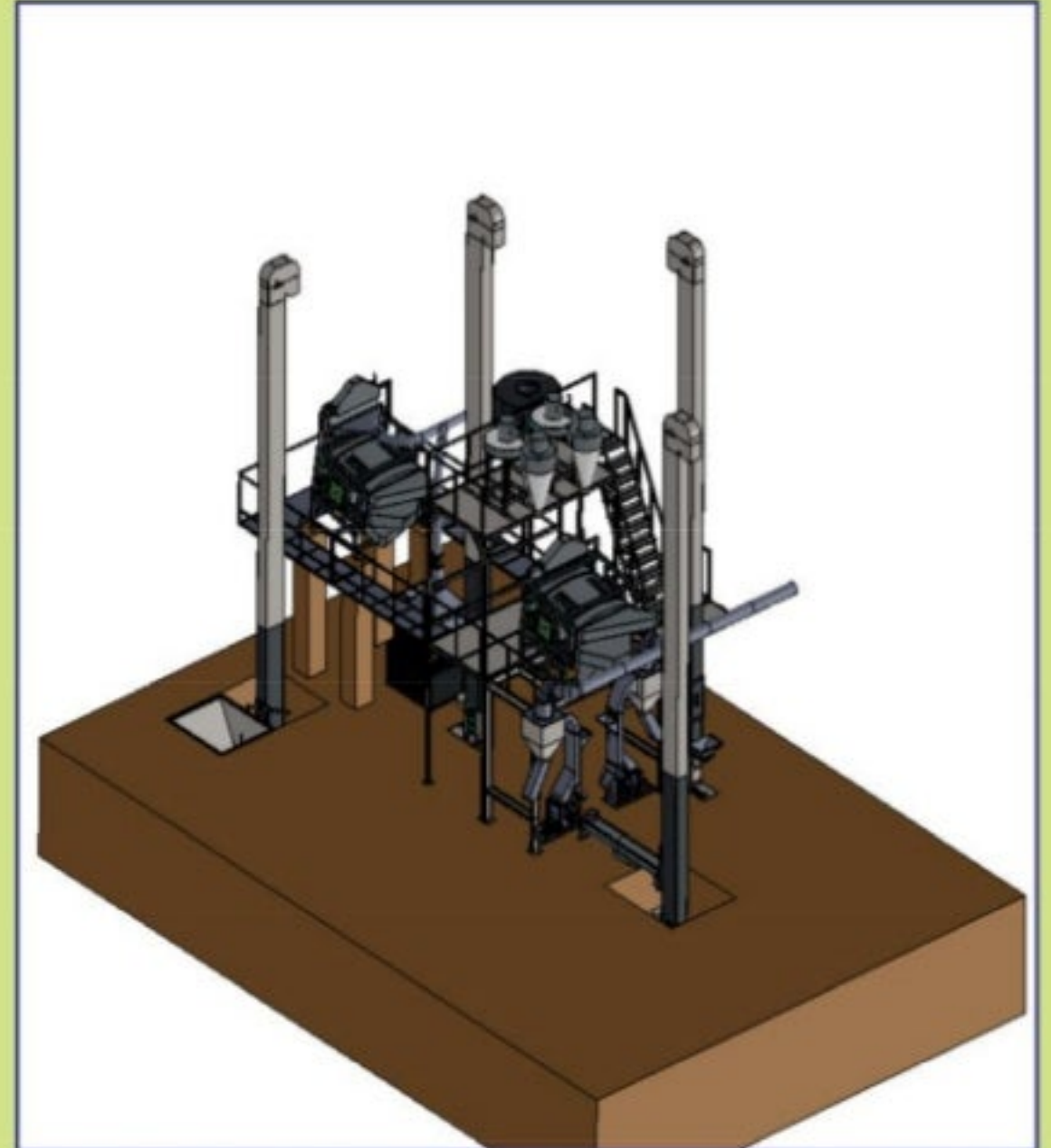
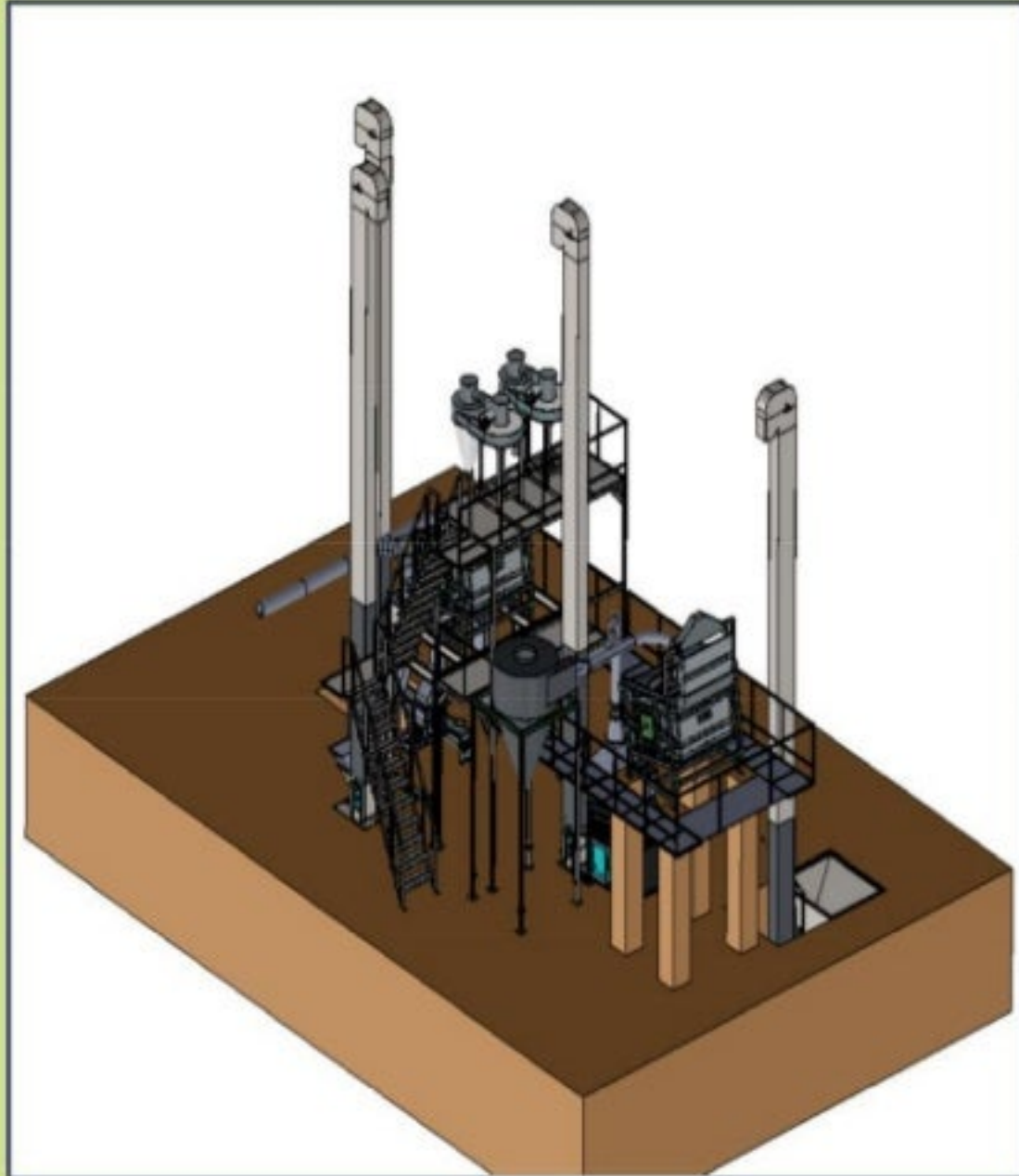
Sunflower whole kernels
(after color sorting)



Sunflower broken kernels
(for oil extraction)

- * Fully automatic plant.
- * 100% made in India by 'Avity'.
- * Available with or without color sorter option.

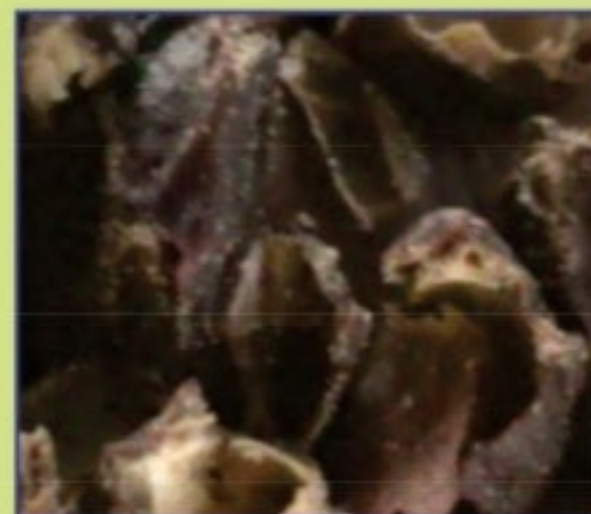
Fully automatic seed cleaning and hulling plant (For Neem, Cardamon and coffee)



Coffee seed hulling



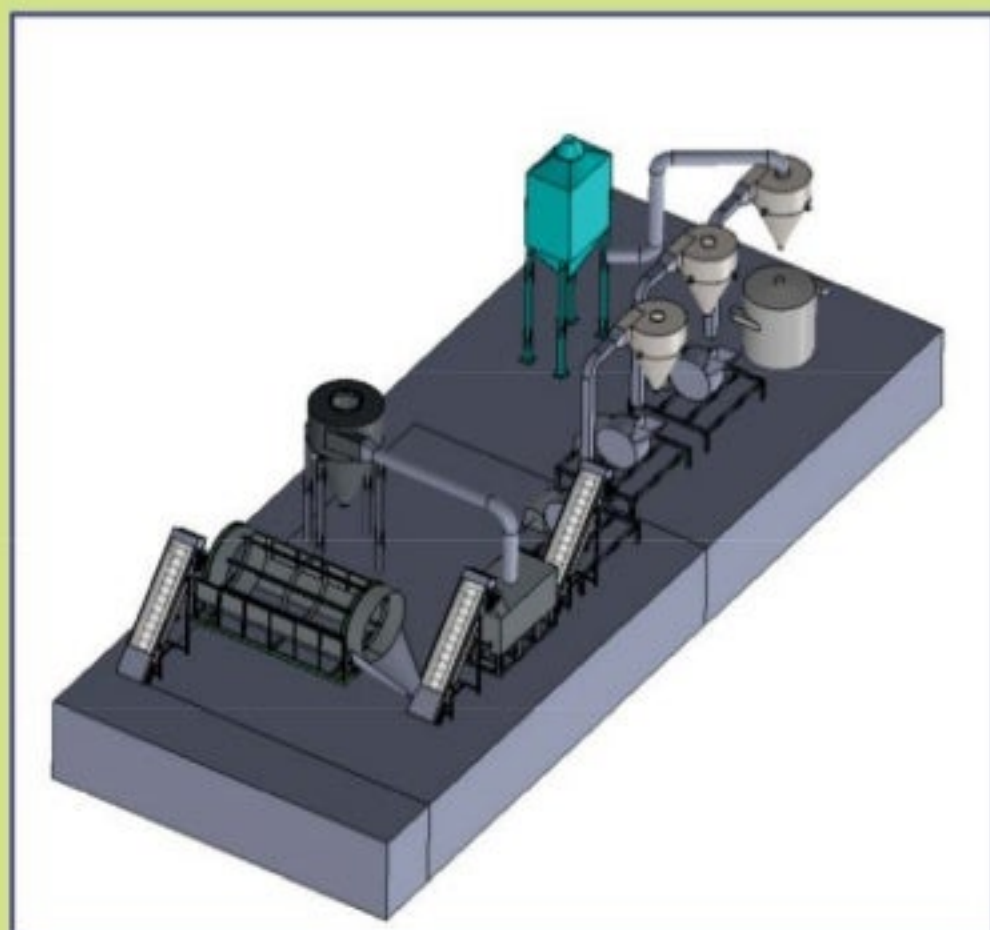
Cardamom hulling



Neem seed hulling

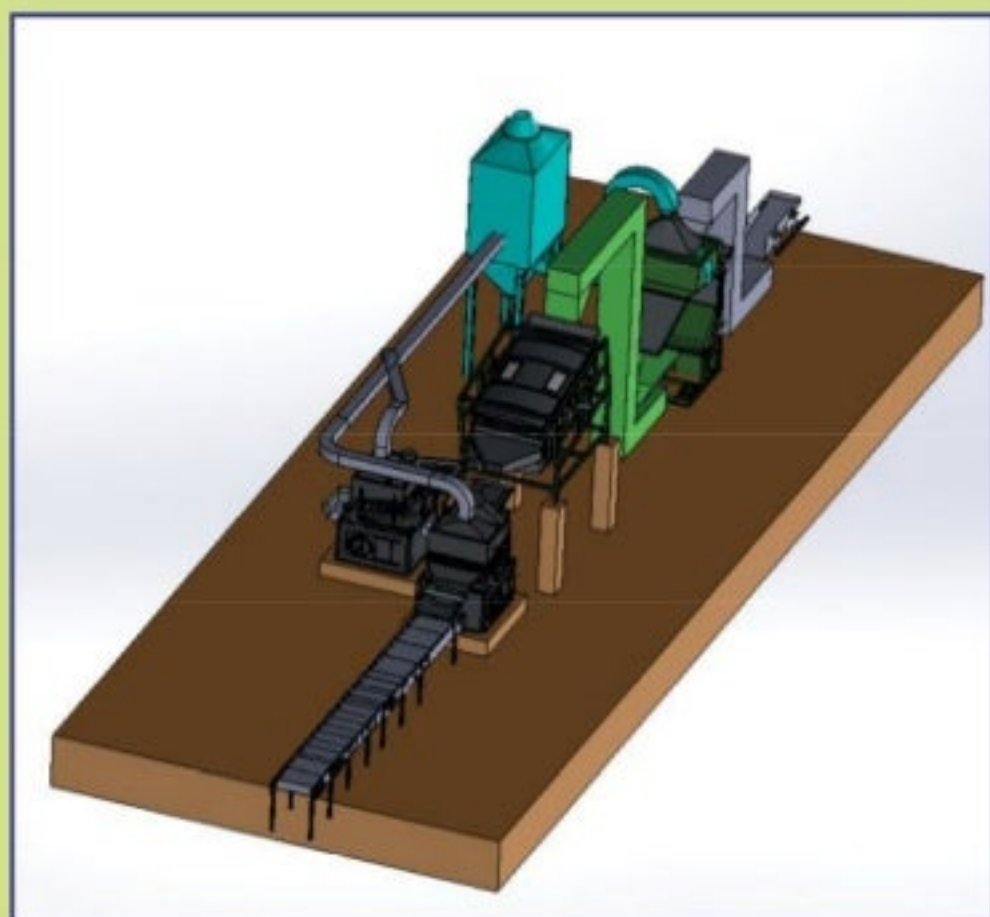
- ✧ Fully automatic plant
- ✧ 100% made in India by 'Avity'.

Some other turnkey projects from us:



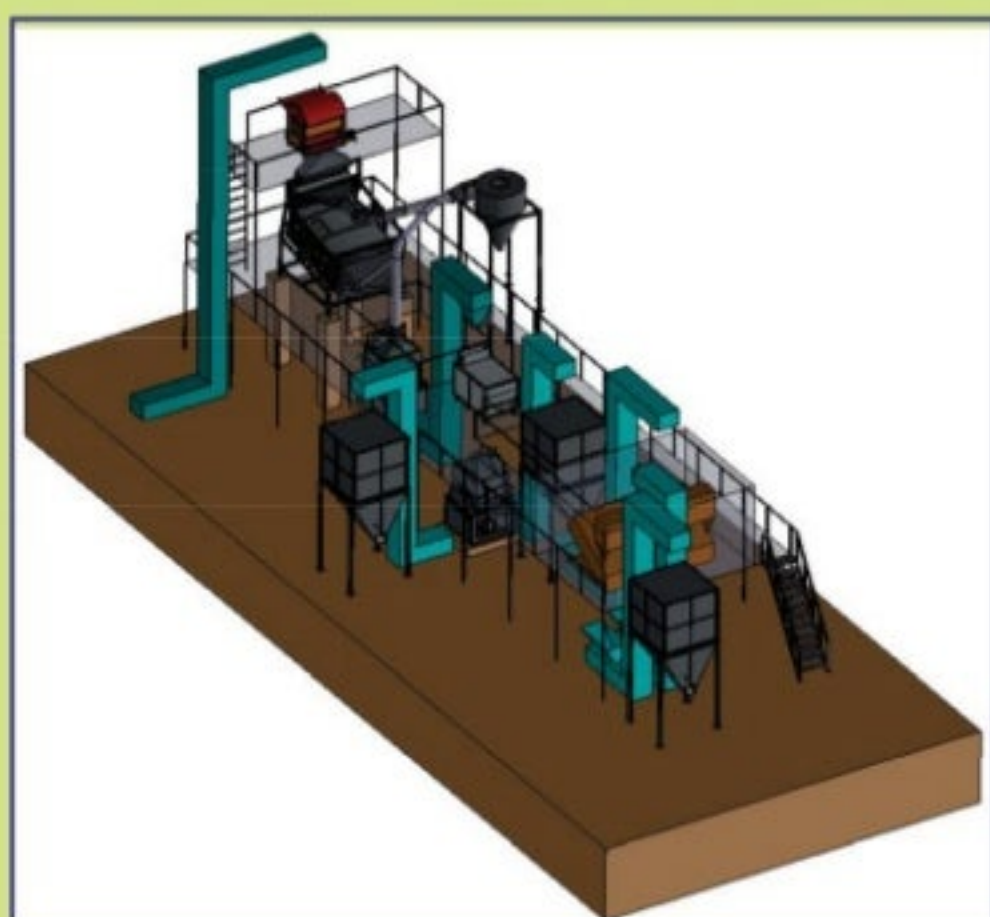
Fully Automatic plant from Red chilli cleaning, de-stoning and three stage pulverizing.

- * Available in Carbon steel as well as Stainless steel.
- * Capacity available is from 250 Kg/hr to 1000kg/hr



Fully Automatic plant for cleaning, size grading, de-stoning and sorting of leafy material:

- * Ideal for processing Kasuri methi (fenugreek leaves), and Tulsi leaves.
- * Available in Carbon steel as well as stainless Steel.
- * Capacity Available from 100 Kg/hr to 500 Kg/hr.



Fully Automatic plant for cleaning, sorting, de-stoning and color sorting of seed spices:

- * Ideal for Coriander seed, cumin seed, fennel seed and other seed spices.
- * Capacity Available from 800Kg/hr to 2 tons/hr.
- * Available with standard bucket elevators as well as 'Z' type bucket elevators.