



Osaw Agro Industries Pvt. Ltd.

P.O. Bag 5, Agrosaw Complex, Jagadhri Road, Ambala Cantt.-133 001 India
Phones : (+91) 171 2699354, 2699167, 2699547 Fax : (+91) 171 2699018
E-mails : agrosaw@agrosaw.com, agrosaw@rediffmail.com
Web : www.agrosaw.com



ISO 9001 : 2008
ISO 14001 : 2004
OHSAS
18001 : 2007
IS 18001 : 2007
SA 8000 : 2008
CE

World class solutions in Cleaning, Grading, Sorting & Handling
of all kinds of Fruits & Vegetables



Agrosaw Plant-II, at Saha



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“Transforming Knowledge &
Technology
into useful Products & Services for the
Post Harvest Industry”



Established in 1984

Provides world class solutions in
Cleaning, Grading, Sorting & Handling of all kinds of
Seeds, Grains, Pulses, Spices, Oil Seeds, Fruits & Vegetables

Specializes in Designing, Manufacturing, Installing and Commissioning
a complete range of Machines / Plants on Turnkey basis

Provides excellent After Sales Service and readily available Spare Parts


Provides Automation options for individual machines / complete plants

Exports to over 60 countries

INTERNATIONAL COLLABORATIONS

 **BMC ENGINEERING Limited** NEW ZEALAND - Fruits & Vegetable cleaning, grading & sorting machines (mechanical)

 **Tecnofruta** SPAIN - Electronic lines for Fruits & Vegetables cleaning, grading, sorting & packing

 **Damas** DENMARK - Seed & grain cleaning & grading machines

 **NoroGard** SWEDEN - Seed treatment & coating machines

 **ARAI** POLAND - Grain storage silos & dryers

INTERNATIONAL REPRESENTATION

 **KONGSKILDE** DENMARK - Suction blowers & aspirators

WASHING-SPONGING-WAXING SECTION



Capacities offered : 1 TPH to 10 TPH

- Used for washing, sponging and waxing of fruits & vegetables
- Fitted with nylon bristle rollers for washing purpose
- Products are let onto the bristle rollers from the sorting conveyor
- Water sprinkler arrangement is provided on top of moving products
- A number of fine pressurized water jets wash the tumbling and rolling products
- The bristle rollers gently rub the surface of the products and clean them properly
- These products then pass through sponging rollers made of high absorbent sponge
- After sponging, Liquid Edible Wax is sprayed on the products
- Horse Hair Rollers in the machine polish the product after application of wax
- All contact parts are fabricated from food grade material / stainless steel

SIZE GRADER



Capacities offered : 1 TPH to 10 TPH
Number of grades : upto 8

- Belt-roller type grader used for fruit & vegetable grading on the basis of diameter
- Product moves continuously on the belt in a single layer
- Series of nylon rollers hang on top of the belt & rotate on their own axis
- Diameters of the nylon rollers differ from each other so as to create a gap between the moving belt and rotating rollers
- The gap between the belt and roller grades the product
- Rollers and other contact parts are fabricated from food grade material & structure is made up of mild steel

DRYING SECTION



Capacities offered : 1 TPH to 10 TPH

- Used for surface drying of products after application of wax
- Temperature range 30° – 50° C
- Electrical heaters with thermostatic control
- Rollers are made up of PVC or aluminum
- Contact parts made of S.S. & structure of mild steel

SCREEN SIZER



Capacities offered : 5 TPH to 20 TPH
Number of grades : as per requirement

- Used for grading of potato, onion & garlic
- Sizer is fitted with vibrating rubber screens having perforations on its surface
- Perforations on the rubber screens may differ according to the product
- Shakers assembly is fitted to the vibrating screen
- Greater grading efficiency
- Required number of modules can be attached together to form a complete line
- Machine is fabricated in modular type; each module grades the product as oversize or undersize
- Contact parts are fabricated from food grade material & structure made up of mild steel

LENGTH GRADER



- Used for grading products on the basis of their length
- Used to grade products like carrot, raddish, cucumber, ladies finger & similar products
- A corrugated bed (S.S. 304) is fitted in the machine
- Bed is vibrated with the help of two vibro-motors fitted on top of the machine
- Bed is divided into three parts and there are gaps between the parts
- The gap grades products according to their length & grading size can be varied easily

Capacities offered upto 2 TPH (depending on product)
Number of grades : 2+1

LIFT ROLLER SIZER

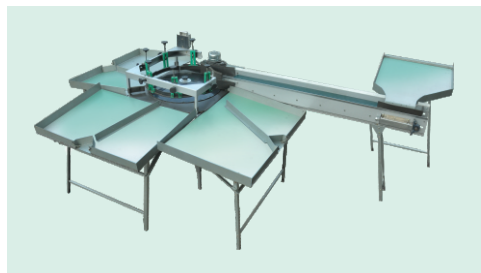


- Used for accurate Diametric Sorting of a number of products like potato, onion, garlic, carrot, beetroot, capsicum, brinjal, lemon, amla and other similar products
- Grading size can be easily adjusted with the help of ergonomically designed handles fitted on the machine at each outlet
- Contact parts are made of food grade material & structure of mild steel

Capacities offered : 5 TPH, 10 TPH, 15 TPH
Number of grades : upto 4

EXPANDABLE ROLLER SIZER : Available for higher capacities

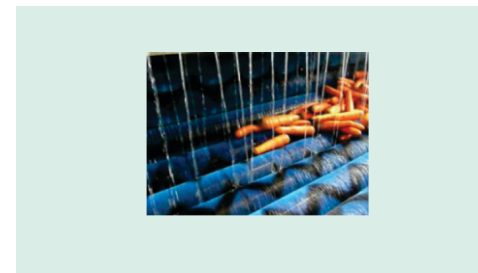
RF-16 (ROUND FRUIT GRADER)



- The grading machine consists of a rotating rubber coated disk and a series of measuring bars
- The fruits is graded according to its diameter while rotating on the rubber disk and passing through the measuring bars
- Rubber padded collection tables are provided on the periphery of the rotating disk for collection of the graded fruits
- Six different sizes and one over size can be achieved from the machine
- The machine comes with standard accessories

Capacities offered : 1 TPH
No. of Grades : 6 (+1)

POLISHER



- Used for extensive washing of carrots, beet roots, potatoes and other similar root vegetables
- It is a "C" shaped metal trough, with a series of nylon brushes fitted on the periphery
- Rotating brushes and the application of water spray on the brushes help in washing and polishing
- The machine is fitted with proper water circulation system
- Brushes are made of nylon & structure is made of mild steel

Capacities offered : 5TPH

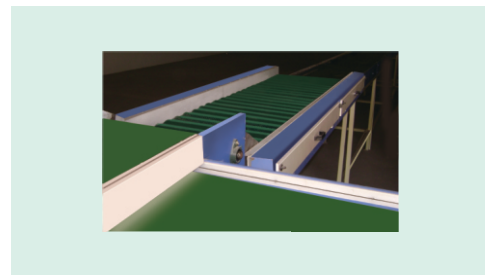
WEIGHER AND BAGGER



Capacities offered upto 8 TPH

- Used for packaging of potato, onion, beet root, garlic and other similar products
- It has a four head rotary bagger, designed for holding bags or cartons
- Adjustable buckets are fitted to match a wide range of bags or cartons
- Bucket clamps are air operated
- Feed hopper is height adjustable
- It has gentle cleated belts
- Three stage filling for speed and accuracy
- Rotating multi line display
- Non-volatile bagging recipe memory - stores up to 10 recipes
- Production statistics - number of bags, average bag weight, total weight packed out

DRY BRUSHER



Capacities offered upto 15 TPH

- Used for removing the soil or dust particles from the surface of the product
- It is fitted with soft nylon bristle rollers
- A hopper is fitted under the bed of bristle rollers to collect the loose soil or dirt

POTATO DIGGER



- Used for digging of potatoes
- Consists of two variable depth coulter disks
- Digging web has a width of 1340 mm
- Two belts 25mm pitch web with 12mm diameter bars
- Rubber cushioned bars
- Close pitch web with sealed edges
- Two variable frequency shakers to separate dirt from the tubers
- Synchronized overhead rubber lift assisting flaps
- Pneumatic rear castoring wheels
- For dry conditions - a powered square bar in lieu of digging shear
- Three point linkage

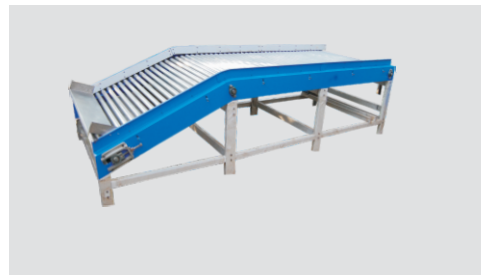
MOBILE GRADING PLANT



Capacities offered upto 10 TPH

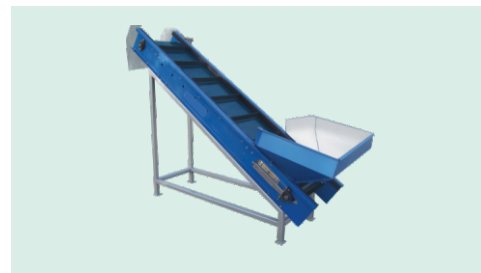
- Used for sorting-grading of various vegetables
- Consists of
 1. Elevator with hopper
 2. Roller Inspection table
 3. Lift Roller sizer
- Power Genset is mounted on the trolley
- Easy travelling from one location to another

FEEDING CUM SORTING CONVEYOR



- Used for feeding and sorting of fruits & vegetables
- Rollers made up of PVC/Aluminum
- Contact parts made up of stainless steel & other food grade material

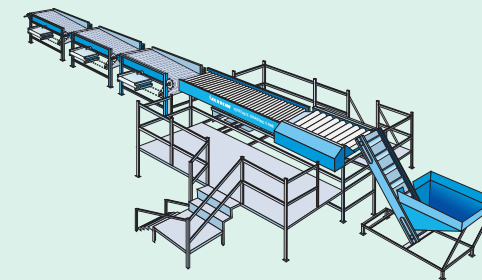
ELEVATOR WITH HOPPER



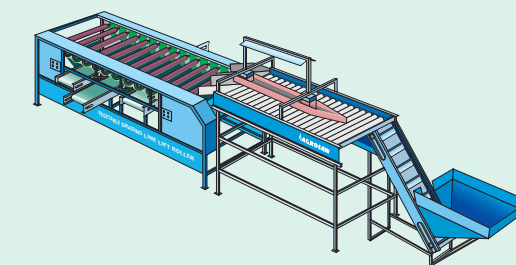
Capacities offered : 1 TPH to 10 TPH

- Product is dumped manually onto the hopper
- The belt elevates the product to the required height
- Belt is made of food grade/PVC material with cleats

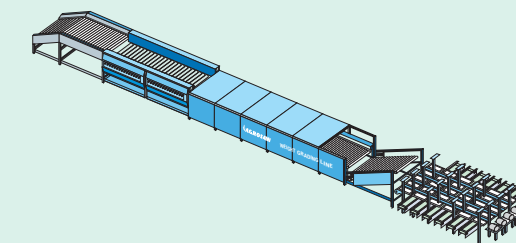
CLEANING, GRADING, SORTING & HANDLING TURNKEY PLANTS



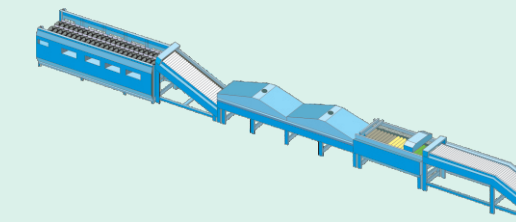
VEGETABLE GRADING LINE
WITH SCREEN SIZER



VEGETABLE GRADING LINE
WITH LIFT ROLLER SIZER



ROUND FRUIT CLEANING &
GRADING LINE



WEIGHT GRADING LINE

