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

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

INTERNATIONAL REPRESENTATION

KONGSKILDE DENMARK - Suction blowers & aspirators
**Washing-Sponging-Waxing Section**

- Used for washing, sponging and waxing of fruits & vegetables
- Fitted with nylon bristle rollers for washing purpose
- Products are fed 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

**Drying Section**

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

**Screen Sizer**

- Used for grading of potato, onion & garlic
- Sieve 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

**Size Grader**

- 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
**Length Grader**

- Used for grading products on the basis of their length.
- Used to grade products like carrot, radish, cucumber, ladies finger & similar products.
- A corrugated bed (SS 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 grade 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: 5 TPH
**Weigher and Bagger**

- 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

*Capacities offered up to 8 TPH*

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**Dry Brusher**

- 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

*Capacities offered up to 15 TPH*

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**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

*Capacities offered up to 10 TPH*

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**Mobile Grading Plant**

- 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 traveling from one location to another

*Capacities offered up to 10 TPH*
**Feeding cum Sorting Conveyor**

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

**Elevator with Hopper**

- 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

**Elevator with Hopper**

Capacities offered: 1 TPH to 10 TPH

**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