



**Your Trusted Partner for
Cutting-Edge Technology in
Processing, Packaging, and
Industrial Automation Solutions.**



**Innovating
Food Processing
for a Smarter Future.**

About Durva Automation

Established in **2019** in Pimpri-Chinchwad, Maharashtra, Durva Automation has quickly become a **trusted name** in the manufacturing of high-quality processing machinery. With a strong focus on the **food processing industry** and allied sectors, we bring expertise in delivering robust and efficient solutions.

Our extensive product range includes **Retort Sterilization Machines, Food Processing Plants, PLC Control Panels, Stainless Steel Tray Dryers, SS Industrial Food Kettles, Fruit Pulpier Machines, Automatic Paneer Press Machines, Wet Pulveriser Machines, Vegetable Washing Machines, Conveyor Machines, Grinding Machines, Pulp Machines, Packaging Machines**, and more. We are committed to engineering products that meet the stringent demands of our clients, ensuring reliability and optimal performance.

At Durva Automation, we pride ourselves on our dedication to customer satisfaction. We strive to not only meet but exceed expectations by providing superior products tailored to specific requirements. Our operations are guided by strong ethical principles and a commitment to transparency, fostering long-lasting and healthy relationships with our clientele.

We are immensely grateful for the continuous backing and invaluable direction of **Mr. Sonabai Pravin Pandit**. His leadership has been pivotal in driving our exponential growth and establishing our reputation in the current market.

Our Vision & Mission



Vision

To be the most reliable and innovative provider of advanced processing machinery, setting benchmarks for quality and efficiency in the food and allied industries across India and beyond.



Mission

To consistently deliver high-performance, precision-engineered processing solutions that empower our clients to achieve operational excellence and product quality by leveraging our technical expertise, ethical business practices, and unwavering commitment to customer satisfaction.

Why Choose Us?

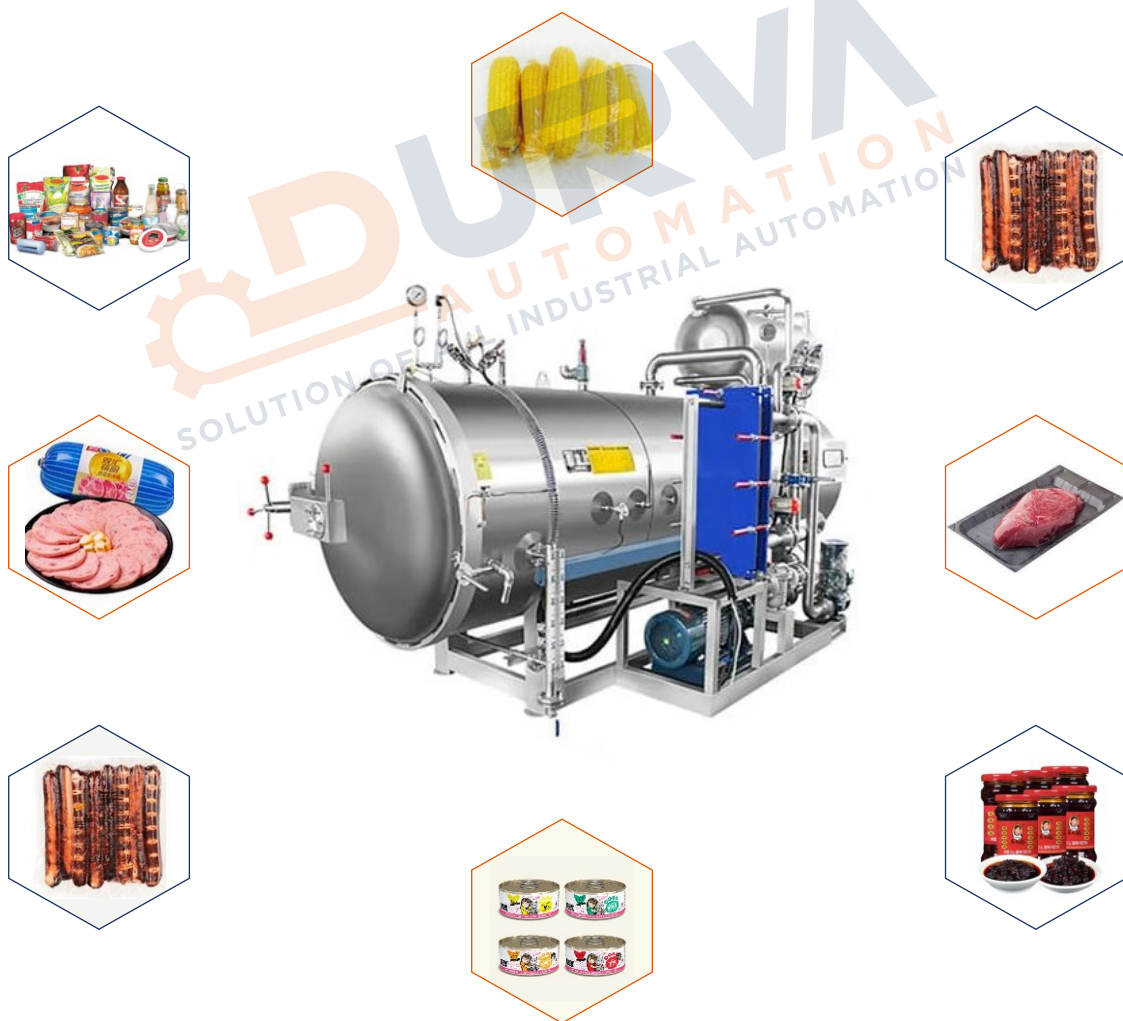
We have been the leading choice of the client for few years because of the quality products we offer. Working under the specification laid by the industry and adopting ethical business policies has paved the way for us to work with some leading brands in the market today. Offering the wide range of all the essentials required we have become the leading choice.

Some of the other reasons are as follows:

- Client satisfaction ranks first on our list of priorities.
- We offer the most comprehensive and appropriate solutions for varied industrial challenges.
- We are open to modify our resources according to the requirements of our clients so that we deliver industry specific products.



Automatic Water Spray Retorts



Durva Automation's Automatic Water Spray Retorts offer precise and efficient sterilization for packaged foods. Our advanced systems ensure uniform heat distribution, reducing processing times and preserving product quality. Designed for reliability and ease of use, these retorts minimize energy consumption and maximize throughput. Trust Durva Automation for superior food processing technology, enhancing safety and extending shelf life for a wide range of products.

Model	Diameter (mm)	Effective L. (mm)	Overall L. (mm)	Overall W. (mm)	Overall H. (mm)	Volume (m³)	Steam consumption (kg)	Power (kw)	Trays (set)	Design temp. (°C)	Design P (Mpa)	Test P (Mpa)
DURVA/SY700-1P	700	1200	3050	1300	2400	0.55	25	3.6	1	147	0.35	0.44
DURVA/SY900-2P	900	1800	3500	1800	2700	1.32	45	5.5	2	147	0.35	0.44
DURVA/SY1000-3P	1000	2400	4350	1900	2900	2.12	95	8	3	147	0.35	0.44
DURVA/SY1200-3P	1200	3000	5150	2150	3600	3.45	165	14	3	147	0.35	0.44
DURVA/SY1200-4P	1200	3600	5750	2150	3600	4.46	195	14	4	147	0.35	0.44
DURVA/SY1200-5P	1200	4000	6150	2150	3600	5.48	215	14	5	147	0.35	0.44
DURVA/SY1500-4P	1500	4000	6350	2500	4300	7.82	335	31	4	147	0.35	0.44

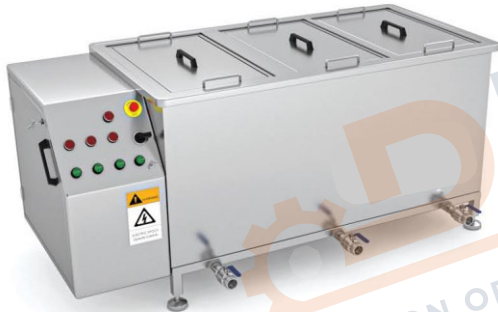
Automatic Pilot Retort



Durva Automation's Automatic Pilot Retort is an indispensable tool for food product development and research. Unlike large-scale production retorts, this compact and versatile unit allows for precise small-batch sterilization trials. Food scientists and R&D teams can accurately test new recipes, packaging materials, and processing parameters, ensuring optimal taste, texture, and shelf-life before mass production. Our pilot retorts offer multi-mode operation, including water spray, steam, and rotation, and provide critical data like F0 values, guaranteeing regulatory compliance and accelerating innovation in the food industry.

Model	Diameter (mm)	Effective L. (mm)	Overall L. (mm)	Overall W. (mm)	Overall H. (mm)	Volume (m³)	Steam Consumption (kg)	Power (kw)	Basket (pcs)	Design temp. (°C)	Design P (Mpa)	Test P (Mpa)
DURVA/SYF700	700	500	1850	1200	1850	0.28	15	2.1	1	147	0.35	0.44
DURVA/SYF900	900	600	2200	1700	2100	0.56	25	4	1	147	0.35	0.44

Three Basket Bubble Washing Machine



Basket type Vegetable Washer

Type:	DURVA-100-500B	Output:	500Kg/Hr
Power:	3HP	Weight:	200Kg
Voltage:	415V(3-phase)	Size:	1600x850x880 MM

Tilting Type Multi-functional Vegetable & Fruit Washing Machine

Tilting type Vegetable Washer

Type:	DURVA-100-250B	Output:	100Kg/Hr
Power:	5HP	Weight:	250Kg
Voltage:	415V(3-phase)	Size:	1260x1150x950 MM



Ozone Disinfection Bubble Washing Machine



Conveyor type Vegetable Washer

Type:	DURVA-1000C	Output:	1000Kg/Hr
Power:	9HP	Weight:	900Kg
Voltage:	415V(3-phase)	Size:	4500x1300x1300 MM

Type:	DURVA-2000C	Output:	2000Kg/Hr
Power:	13HP	Weight:	1100Kg
Voltage:	415V(3-phase)	Size:	5100x1400x1300 MM

Type:	DURVA-3000C	Output:	3000Kg/Hr
Power:	14HP	Weight:	1500Kg
Voltage:	415V(3-phase)	Size:	6500x1400x1300 MM

- Ozone (1000mg) sanitiser function can reduce pesticide residues, disinfection, and sterilization.
- Bubble washing will protect fruit to avoid damage, & the strength of bubbles can be adjusted.
- With the elevator, it will have secondary cleaning/spray.

Vortex Washing Machine



Vegetable and Fruit Vortex Washing Machine

Type:	DURVA-500-2000C	Output:	1.8T/H
Power:	8HP	Weight:	600Kg
Voltage:	415V 50HZ	Size:	1600x850x880 MM

Rotary Drum Washing Machine

Rotary Drum Washing Machine

Type:	DURVA-DRUM-500-4000	Output:	100Kg/Hr
Power:	5HP	Weight:	500Kg
Voltage:	415V 50HZ	Size:	3500x1300x1330 MM

The material enters the rotating drum through the hoist and rolls. The wall of the cylinder is arranged with a number of triangular angle irons, which are wet by water. The material and the angle iron constantly collide and shake off the mud. Separated mud and sand sink into the mud collecting tank, from two muds. The mouth is discharged. Material is discharged after two-stage cleaning. The end automatically flows out.



Conveyor Series



Material Elevator Conveyor

Type:	DURVA-C-1	Output:	10-50MM
Power:	1HP	Weight:	200Kg
Voltage:	415V 50HZ	Size:	2330x850x1520 MM



Root Vegetables Cleaning & Peeling Machines

The machine is mainly composed of motor, transmission and brush roller. It is designed and manufactured by our factory based on the characteristics of root vegetable processing machinery at home and abroad.

This machine utilizes a brush-friction mechanism for efficient cleaning and peeling of various round and oval produce, including ginger, carrots, potatoes, and sweet potatoes. It can also descale fish. The machine is user-friendly, highly efficient, and boasts low energy consumption, continuous operation, and a long lifespan. Customizable brush rollers (straight/wave, soft/hard, or diamond-coated) are available to suit different processing needs.



Brush Cleaning Peeling Machine

Type:	DURVA-P-01	Output:	800-1200KG/H
Bush No/ Length:	6/800mm	Weight:	180Kg
Voltage/Power:	415V/0.75KW	Size:	1330x850x830mm

Brush Cleaning Peeling Machine

Type:	DURVA-P-02	Output:	1000-2000KG/H
Bush No/ Length:	6/1500mm	Weight:	250Kg
Voltage/Power:	415V/1.5KW	Size:	1800x780x1010mm



Brush Cleaning Peeling Machine

Type:	DURVA-P-03	Output:	3000-3500KG/H
Bush No/ Length:	8/1800mm	Weight:	380Kg
Voltage/Power:	415V/3KW	Size:	2100x920x1110mm

Brush Cleaning Peeling Machine (continuous)

Type:	DURVA-P-04	Output:	4000KG/H
Bush No/ Length:	8/2400mm	Weight:	560Kg
Voltage/Power:	415V/4.5KW	Size:	2860x880x1360mm



Blanchers

The continuous blanching machine integrates blanching and cooling functions and works with a steam generator, it is safe and reliable.



This machine has the functions of fast green removal, keeping the original natural colour of fruits and vegetables. Through the blanching process, the activity of enzymes in fruits and vegetables is stopped, to maintain the unique fresh colour of fruits and vegetables, emit the green odour of vegetables, retain the fragrance, enhance the softness of cells, and facilitate the evaporation of water.

Conveyor Blancher

Type:	DURVA-VB-01	Sterilizing:	10-60Min
Power:	6kW	Heating method:	Steam
Temperature:	≤100°C	Size:	11000x1200x2000mm

Shower Blancher

Type:	DURVA-VB-02	Sterilizing:	5-60Min
Power:	15kW	Heating method:	Steam
Temperature:	≤100°C	Size:	10000x1200x1400mm

Shower Blancher is suitable for vegetables, fruits, and aquatic products before quick-freezing and dehydration, and especially suitable for easily damaged and long-stripe-like products.



Screw Blanchers

Type:	DURVA-VB-03	Sterilizing:	10-60Min
Power:	4kW	Heating method:	Steam
Temperature:	100°C or less	Size:	7135x1975x2260mm

The unit is composed of a belt feeding machine, a spiral floating ironing machine, and a cooling groove, and the speed is controlled by an electromagnetic speed-regulating motor. Suitable for carrots, cabbage, pakchoi, taro seeds, green beans, broccoli, mushrooms, and other materials pre cooked. Heating method is divided into steam heating, heat conduction oil heating two, selected by the customer.

Vegetable Cutting Machines

Durva Automation Is offering High-speed dicing machine can put strips of globular fruit, such as carrots, potatoes, taro, potato cucumber, etc.



Especially the soft, juicy kind of melons and fruits, such as mango, pineapple, papaya, apple, strawberry, ham, etc., fast dicing or cutting, adjustable thickness size, simple and safe operation, dicing speed, large output, convenient cleaning. It is suitable for large food processing plants, catering industry, dining hall use.

Large 3D high-speed dicing machine

Type:	DURVA-109S	Output:	500-1000KG/H
Power:	0.75KW	Weight:	110Kg
Voltage:	415V(3-phase)	Size:	950x780x1280mm

Large 3D high-speed dicing machine

Type:	DURVA-109L	Output:	2000-3000KG/H
Power:	1.5KW	Weight:	170Kg
Voltage:	415V(3-phase)	Size:	1370x1110x1250mm



Multi-function double-end vegetable cutting machine

Type:	DURVA-112	Output:	300-1000KG/H
Power:	1.875KW	Weight:	195Kg
Voltage:	220V(1-phase)	Size:	1180x550x1020mm

The equipment has dual frequency modulation function, one head can be cut leaves vegetables, such as long onions, leeks, celery, cabbage, vegetables, etc.; One the side are root vegetables such as radish, potato, sweet potato, taro, onion, eggplant, apple, ginger and so on. Available for slicing (thickness can be customized), shred (thickness can be customized), section cutting (length adjustable), dicing (size can be customized).

Large multi-functional vegetable cutting machine

Type:	DURVA-165	Output:	600-1800KG/H
Power:	2.25KW	Weight:	140Kg
Voltage:	220V(1-phase)	Size:	1020x760x1370mm



Vegetable Cutting Machines

Durva Automation Is offering High-speed dicing machine can put strips of globular fruit, such as carrots, potatoes, taro, potato cucumber, etc.



Large multi-functional vegetable cutting machine

Type:	DURVA-SH-125	Output:	600-1000KG/H
Power:	1.25KW	Weight:	78KG
Voltage:	220V(1-phase)	Size:	760x560x1350mm

Large vegetable cutting machine can cut leaves vegetable, such as long onions, garlic, leeks, celery, cabbage, vegetables, etc., can also cut strips, such as radish, cucumber, pepper, eggplant, etc., (can be sliced/cut segments/cut strips). One machine multi-purpose equipment, high output, easy to replace the cutter, simple operation, easy to clean, it is suitable for large food processing centre, catering industry, large dining hall, catering distribution centre.

Bulb Vegetable Cutting Machine

Type:	DURVA-100	Output:	300-1000KG/H
Power:	0.75KW	Weight:	60Kg
Voltage:	220V	Size:	760x550x930mm

Cutting Range: Slice:2-10mm
Shred:2-10mm
Diced:8/10/12/15/20mm

The bulb type vegetable cutting machine can cut radish, potato, sweet potato, taro, onion, eggplant, apple and many other melon fruit splices/shred/diced, such as potato chips, shredded radish, thickness size specifications can be customized. Multi-purpose equipment, high output, easy to replace the cutter disc, simple operation, single easy to clean, suitable for food processing plants, catering distribution centre use.



Large root vegetable cutting machine

Type:	DURVA-112	Output:	300-1000KG/H
Power:	1.875KW	Weight:	195KG
Voltage:	220V(1-phase)	Size:	1180x550x1020mm
Slices Thk:	2-8MM	Shreds Thk:	2-8MM

This machine is used for cutting bulbs and fruits such as radishes, potatoes, sweet potatoes, taro, bamboo shoots, eggplants, apple, papaya, pineapple, etc., Multifunctional cutting, can be sliced, shredded, cut into strips (not dice), Suitable for kitchen operators, canning factories, rapid freezing factories, food processing factories, catering industry, canteen and so on. One machine with multiple functions, high output, convenient cutter head replacement, simple operation and convenient cleaning.



Vegetable Cutting Machines



Ginger/bamboo shoot cutting machine

Type:	DURVA-50	Output:	50KG/H(1.5/2mm)
Power:	0.375KW	Weight:	50KG
Voltage:	220V	Size:	520x370x600mm

Ginger/bamboo shoot cutting machine

Type:	DURVA-100	Output:	100KG/H(2/2.5/3mm)
Power:	0.75KW	Weight:	75KG
Voltage:	220V	Size:	640x470x840mm

The ginger and bamboo cutting machine can quickly cut ginger, bamboo shoots, radish, potato, sweet potato, taro and cucumber into shreds or slices (QS-50 is suitable for cutting ginger and ginger slices, QS-100 is suitable for cutting bamboo and bamboo slices). Through the customized knife set, the cutting thickness can be realized. Minimum cutting specification 1.5mm piece and 1.5x1.5mm wire. Suitable for processing plants, catering distribution centre use.



Potato chips cutting machine

Type:	DURVA-1000J	Output:	1000KG/H
Power:	1.5KW	Weight:	115KG
Voltage:	220V/380V	Size:	1060x690x1040mm
Cutting Thk:	6/8/10/12mm		



Potato chips cutting machine can cut potatoes, radishes, etc. into square strips. After cutting the surface of the finished product is smooth and symmetrical, the cutting speed is fast, and the output is high. The average output per hour reaches more than 1000kg. The operation is simple, the cleaning is convenient, time and labour are saved, and the labour cost is reduced.

Fruit & vegetable Dehydrating Series

Durva -6J is suitable for all kinds of vegetable products to remove surface water.

It is an ideal processing equipment for Cut vegetable processing industry to remove surface water quickly. Based on the technical parameters of vegetable processing materials, the equipment realizes the control of working time, working speed, start and stop by using frequency conversion technology and photoelectric sensor technology, and has the characteristics of reliable operation, simple operation and low noise.



Cut Vegetables/Leafy Spin Dryer

Type:	DURVA-6J	Output:	6-10KG/Time
Power:	0.375KW	Weight:	30KG
Voltage:	415V	Size:	600X600X900mm

Dryer

Type:	DURVA-112	Output:	300-1000KG/H
Power:	1.875KW	Weight:	195KG
Voltage:	220V(1-phase)	Size:	1180x550x1020mm



Juicing Series



Pomegranate Peeling Machine

Type:	DURVA-B2000	Output:	1000KG/H
Power:	4.45KW	Weight:	250KG
Voltage:	220V/415V	Size:	1900x1030x2180mm

The Durva -B2000 special designed fruit shell breaking and separating equipment is specially designed for the shell breaking and separating of passion fruit, pomegranate, passion fruit and other fruits. It has the characteristics of novel structure, tight playing, high energy-saving efficiency and so on. The equipment is made of stainless steel, which meets the sanitary requirements, has large output and high juice yield. It is suitable for large scale vegetable and fruit processing and beverage product raw material processing centre.

Fruit Distoner Machine

Type:	DURVA-B2000	Output:	1000KG/H
Power:	10KW	Weight:	500KG
Voltage:	220V(1-phase)	Size:	1900x1030x2180mm

The Durva-B2000 This machine is suitable for beating stone fruit (mango, peach, apricot, etc.), berry (kiwi, strawberry) and kernel fruit (apple, pear, etc.), and removing residue. Its characteristics are: pulp, residue (peel, seed, nut) automatic separation, which can be combined in the production line for line work, but also for single production. All places in contact with the material are made of stainless steel and high quality edible rubber, with good corrosion resistance, no contamination of the material, ensuring food hygiene. The machine can change the beating speed and obtain satisfactory results by changing the screen of different specifications and adjusting the lead Angle of the scraper. This machine has the characteristics of simple operation, convenient cleaning, safety and sanitation, continuous feeding, wide range of application, etc. It is an ideal equipment for fruit & vegetable processing.



Packing Series



Double chamber vacuum packing machine

Type:	DURVA-500	Output:	3PCS/MIN
Power:	2.3KW	Weight:	170KG
Voltage:	380V/50HZ	Size:	1250x850x930mm
Heat seal length:	500mm		

The series double chamber vacuum packing machine has a vacuum sealing, letting, a complete, function, with vacuum and heat sealing time, heat sealing temperate adjusting device, making it easy for users to choose and adjust, can also according to customer needs, equipped with pneumatic device, filling the nitrogen, carbon dioxide, oxygen and other single or two, three kinds of mixed gas with good preservation effect.

Continuous vacuum packing machine

Type:	DURVA-1000	Output:	6PCS/MIN
Power:	7.5KW	Weight:	500KG
Voltage:	220V	Size:	1740x1360x1000mm
Seal size:	1000x8mm	Vacuum rate:	30L/S

Continuous vacuum packing machine is to put the packed goods on the conveyor belt, vacuum pumping, heat sealing and a series of actions are automatically completed. It is suitable for mass packaging production, with high packaging efficiency, energy saving, convenient maintenance, beautiful packaging, strong sealing and other advantages, made of 304 stainless steel, in line with the packaging health standards.



Cooking and Mixing Equipment



Heating Kettles

Type:	DURVA-100L	Output:	50-1000L
Power:	22KW	Volume:	100L
Voltage:	415V	Size:	750x750x1400mm
Heat seal length: 500mm			

With 380v electric power as the heat source, the electric heating mezzanine pot is widely used in the processing of sweets, pharmaceuticals, dairy products, wines, pastries, preserves, drinks, cans, bitters and other foods.

Ribbon Blender

Type:	DURVA-C400	Output:	350KG/T
Power:	4.55KW	Weight:	500KG
Voltage:	380V	Size:	1903x706x1302mm
Speed:	50-75r/min	Volume:	560L

Mixer is a widely used equipment in the food industry. It is mainly used for mixing materials and has a good versatility for granular, powdery, mushy and oar materials. It is suitable for large, medium and small food processing plants.



Metal Detector

Type:	DA-508	Belt Material:	PU
Power:	220V/380V	Weight:	280KG
Voltage:	220V	Size:	1600x900x1050mm
Speed:	26ms/m	Loadable Weight:	<25

Tomato Ketchup

Durva Automation has the expertise and knowledge of manufacturing and setting up plant and machinery for Tomato Processing Plant.

These plants are provided with a series of assembly line machines for blanching, pulping, processing of tomatoes for their puree and their final treatment for making ketchups. Packing lines can be offered depending upon the requirement like Product in glass bottles, Cans, Drums, etc. Manufacturing process involves most modern technology of vacuum evaporation systems.



Vacuum Pan System

vacuum pan for Tomato puree concentration, tomato ketchup, fruit juice concentration, and mango puree concentration. Complete SS304/SS316 construction for optimum performance & best in-industry steam efficiency can be modified to be steam or electrically heated. A vacuum evaporator is suitable for concentrating fruit juices and other liquid foods. The equipment should consist of a vacuum pan, vapour separation system, condenser, vacuum pump(water seal with silencer) & other necessary accessories, and mountings.

Heating Kettles

A jacket kettle is composed of a kettle, bracket, worm wheel and worm, etc. The kettle can revolve within 180°, the equipment is used for open concentration, mainly for decocting and concentration of liquid in industries of the pharmaceutical industry, food industry, chemical industry, light industry, etc.



Tomato Ketchup



Hot Breaking System

Durva Automation Hot Break & Cold Break System process tomato puree or concentrates guarantying the pectin enzymatic inactivation in the final product. This process is critical and fundamental in any tomato processing system. The aim is to inactivate the pectin and avoid the syneresis phenomenon in the final product. Hot Break is recommended for high-viscosity products such as sauces, ketchup, puree, and others. Cold Break is recommended for tomato juice and low-viscosity sauces.

Pulper Cum Finisher

Durva Automation Hot Break & Cold Break System process tomato puree or concentrates guarantying the pectin enzymatic inactivation in the final product. This process is critical and fundamental in any tomato processing system. The aim is to inactivate the pectin and avoid the syneresis phenomenon in the final product. Hot Break is recommended for high-viscosity products such as sauces, ketchup, puree, and others. Cold Break is recommended for tomato juice and low-viscosity sauces.



Mango Pulp Machines



Destoner

Type:	DURVA-B2000	Output:	1000KG/H
Power:	10KW	Weight:	500KG
Voltage:	220V/415V	Size:	1900x1030x2180mm

The Durva -B2000 This machine is suitable for beating stone fruit (mango, peach, apricot, etc.), berry (kiwi, strawberry) and kernel fruit (apple, pear, etc.), and removing residue. Its characteristics are: pulp, residue (peel, seed, nut) automatic separation, which can be combined in the production line for line work, but also for single production. All places in contact with the material are made of stainless steel and high quality edible rubber, with good corrosion resistance, no contamination of the material, ensuring food hygiene. The machine can change the beating speed and obtain satisfactory results by changing the screen of different specifications and adjusting the lead Angle of the scraper. This machine has the characteristics of simple operation, convenient cleaning, safety and sanitation, continuous feeding, wide range of application, etc. It is an ideal equipment for fruit and vegetable processing.

Destoner

Type:	DURVA-B2000	Output:	1000KG/H
Power:	7.5KW	Weight:	250KG
Voltage:	-	Size:	1200x900x1500mm

Mango Destoner is researched and designed by our company according to abroad advanced technology. The traditional mango de-stoner machine in china cannot create a good effect on the separation of the stone and skin of the mango. But through the research and development by our engineer, now the stone and skin of mango will be separated perfectly with pulp by this machine. The mango pulp is transferred to the purpling machine after de-stoner. The de-stoner has the characteristic of high efficiency and larger capacity. That is the key equipment for the mango processing plant.

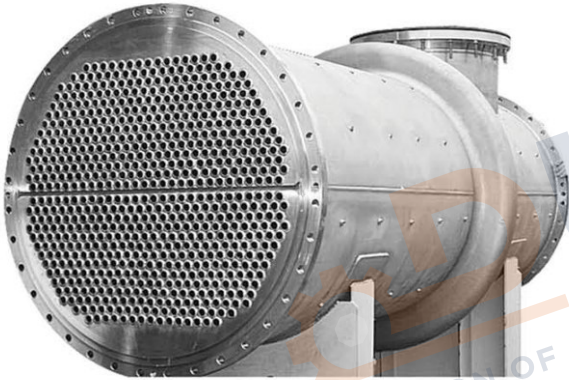


Storage Tanks for Juice/Pulp

Capacity:	500- 5000 Ltrs	Application:	Mixing/Blending
MOC:	Ss304	Industries:	Fruit pulp plants,
Type:	Jacketed, Insulated	Size:	Juice plants, Milk plants

We are a Manufacturer, Supplier, and Exporter of SS liquid mixing tanks, Juice Mixing tanks, Pulp Mixing tanks, Jacketed tanks, Insulated tanks, and Stainless Steel Tanks for Beverages & Fruit Juice Processing Plants. These are specially designed for uniform and homogeneous mixing of viscous liquids. High-speed agitators for better mixing/blending or as per product requirements. Agitators for mixing/blending tanks designed as per product requirement.

Heat Process Machinery



Tube and Tube Heat Exchangers

Cooling/heating of injection water. The injection water point cooling. Cooling/heating of pharmaceutical products. Clean steam condensing and cooling. High clean liquid temperature control. Applicable process points: suitable for pharmaceutical injection water, purified water, water injection, and other working conditions, such as medicine heating, cooling;,, water heating cooling, etc. Pasteurization, hot water sterilization, etc.

Plate Heat Exchangers

Mainly consist of a panel, heat exchanger rubber, fixed pressure plate, movable pressure plate, upper/lower guide rods, struts, clamping screw components, rolling parts, pipes, etc. Each plate is provided with a gasket, which seals the flow gaps between the atmosphere and the media from one. The plate package is mounted in a rack consisting of a fixed number of plates. Pure counter flow is employed to achieve the maximum possible heat transfer.



Pulp Pasteurizer

Suitable for heating and pasteurization of liquids (tomato and fruit juice). It is made up of tube-in-tube spiral flow pipes for steam and products Steam at the inlet with a pneumatic valve controlled by a temperature indicator. It is possible to adjust the temperature from 50° to 150°C. The sterilization plant heats the juice to the sterilization temperature, keep it in hold up to the required time, and cools it up to the filling temperature. Materials in contact with liquids are in AISI 316 stainless steel.



Heating Kettles

With 380v electric power as the heat source, the electric heating mezzanine pot is widely used in the processing of sweets, pharmaceuticals, dairy products, wines, pastries, preserves, drinks, cans, bitters and other foods.



Powder Plant & Machinery



Vibro Shifters

The Vibro Sifter machine works on the principle of garroter vibrations. The material is separated based on its particle size. Once the motor gets energized, vibration is caused in the screen/sieve making the material travel across the sieves according to its particle size.

Ribbon Blender

Mixer is a widely used equipment in the food industry. It is mainly used for mixing materials and has a good versatility for granular, powdery, mushy and oar materials. It is suitable for large, medium and small food processing plants.



Dry & Wet Pulverisers

Wet & Dry Pulveriser with Double Chamber is perfect for restaurants, bakeries, and other commercial food environments. Our pulveriser is made of food-grade stainless steel for superior strength and durability, making it the ideal tool for grinding grains, nuts, spices, and more. Our pulveriser has impressive and perfect for high-volume production.

Powder Plant & Machinery

Durva Automation is a enterprise, which is specializing in the research, and manufacture of Powder Plant & Machinery and so on.

Our company has already formed a full set of modern production line, equipped with intelligent and standardized testing, controlling laboratories, and owned a professional team of R & D, production, sales and service. We ensure that all the products that we offer to our clients are precisely manufactured using raw material and parts, which are stringently sourced from vendors, who has gained reput for offering superior and quality approved material.



Cyclone Pulverisers

In the commercial pre-food preparation process, a cyclone pulveriser, also known as a chili cutter, is employed. Before grinding the spices, chilies, turmeric, etc., it is advised to crush them in this chili-cutting cyclone pulveriser to break them into a coarse powder. This allows the flour mill to process them into fine powder.

Hammer Mills

Our hammer mills are high-precision machines for grinding solid and hard granules. Our hammer mills guarantee uniform grinding, noiseless operation, and less heat buildup in all pharmaceutical processes. Whether you need standard or customized hammer mills, Saintly Co offers many series for specialized shredding applications.



CIP & COP



Single Tank CIP System

Many processes require a single-tank, single-use Clean-in-Place (CIP) system. These are typically designed to minimize the risk of cross contamination, optimize the solution concentration for each cycle or maintain portability through a smaller footprint. This lower initial capital investment option provides simple and flexible once-through or re circulated wash cycles.

Double Tank CIP System

Many food processing facilities have limited water utilities. They must recover and reuse wash solutions to be efficient, cost-effective, and sustainable. With a two-tank CIP system, the detergent wash can be reused to provide water savings and faster wash cycle times due to the recovered solution that is already heated and charged with the chemical.



Triple Tank CIP System

Multi-tank CIP Systems are ideal for processes that require frequent cleaning, operational efficiencies, and sustainable solutions, as well as when cross-contamination is not a critical concern. A multi-tank CIP system maintains a rinse tank, holding tank, and solution tank allowing the recovery and reuse of both the wash solution and rinse water for the next cleaning cycle.

COP Machine

It could replace labour-intensive and unreliable manual cleaning, each washer comes with a specially designed spray manifold that generates consistent and high-velocity turbulence to clean away residue from pipe lines, hoses, and other spare parts. It generates consistent and high velocity vertical and horizontal jet flow, which is an ideal cleaning method for pipe lines and hoses.



OUR CLIENTS



CONTACT US



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