

ATLAS PACIFIC APPLE PEELING SYSTEM

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ATLAS PACIFIC
ENGINEERING COMPANY, INC.

STAINLESS STEEL DESIGN
NEW
STAINLESS STEEL DESIGN



Sensor peel system

APPLE PEELING SYSTEM

Machine Operation

The feed system delivers apples to the orienting table, which through the work of orienting spindles, orients the apples in an upright position. As the table rotates and the apples reach the pickup point, fruit that is not properly aligned for peeling is automatically rejected and returned to the feed system, while properly positioned apples are picked up by one of the stations on the rotating peeling column.

The peeling column consists of 6 peeling stations each equipped with a Sensor Peel head. The peeling pressure is controlled pneumatically to assure precision peeling for delicate, overripe fruit as well as preventing hard, immature fruit from cracking off the spindles. These blades are assisted by precision ground ceramic guards which guide the cutters over the contours of the apple. This assures that only a thin layer of peel is removed. Together these features produce maximum fruit recovery regardless of fruit shape, size or maturity.

The peeler is designed with interchangeable core tubes to allow for adjustment of core size from 5/8" to 1" in diameter, ensuring both flexibility and precision of operation. The coring operation takes place on the peeling column after the peeling is complete. After peeling and coring operations are completed, the apples may either be discharged to the peeled fruit belt or transferred to the optional wedge slicer.

The Atlas Pacific Automatic Apple Peeler feeds, orients, cores and peels at speeds up to 130 apples per minute. It is specifically designed to peel all varieties of apples and to produce the highest yield possible through Sensor Peel technology. Each peeler can be configured to produce wedge slices, ring slices, or whole peeled apples. The machine is rugged and is able to withstand the rigors of a long processing season.



Stainless steel machine. All machines meet OSHA and UL508 requirements. Machines bearing the CE Mark are also available (shown above).





SYSTEM FEATURES & OPTIONS

Hydrofeed System

With a capacity of 500 pounds of fruit, the Hydrofeed unit can be loaded in bulk, by conveyor belt, by flume or by elevator. Its automatic level control regulates the volume of apples to be fed into the peeler, floating them into the immersed pockets of the feeder chain which then conveys them to the 18-pocket orienting table of the Peeler Unit.

Dry Feed System

Also available is a dry feed system designed to significantly reduce the system water requirements. Similar to the Hydrofeed, the dry feed will accept fruit from the customers' conveyor belt or elevator and, through the use of a sensor, regulate the flow of fruit into the machine.

Wedge Slicer

The attached wedge slicer (optional) has a processing capacity of 115 apples per minute and is mounted directly onto the peeler.

The apples are mechanically transferred into the rotating turret which moves the fruit to the seed cell station where the entire seed pocket is removed. The turret then positions the apple over the slicer where the plunger pushes the fruit through the blades and onto the take-away conveyor. This results in clean uniform segments. The slicer can be easily disabled to allow for independent operation of the peeling-coring unit.



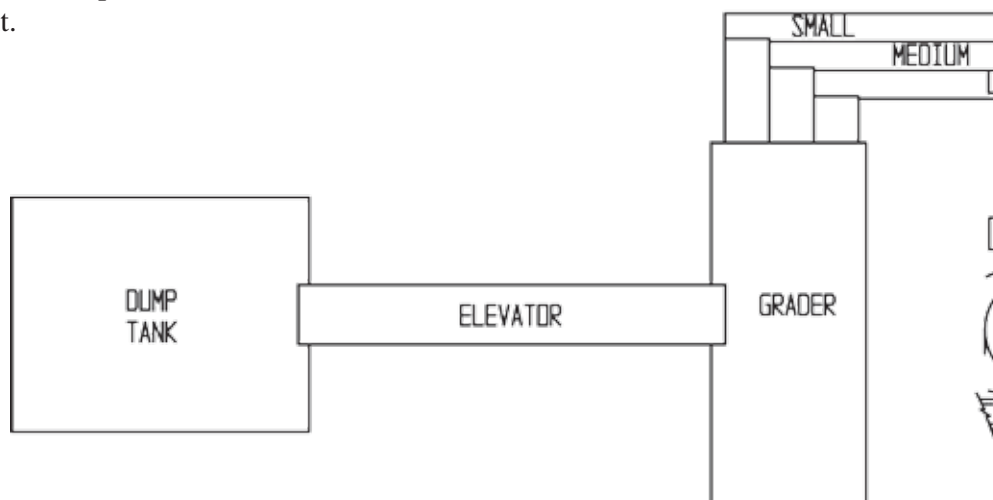
Orienting table and wedge slicer



Wedge slice blade



Ring slices





Ring Slicer

The peeling system is also available with a ring slicer (optional). This unit is capable of producing several different thicknesses of slices (1/4" – 3/8") for both peeled and unpeeled apples.

Host Monitoring System

As an option, Atlas Pacific offers a host monitoring system which senses and reports machine throughput, successfully peeled or sliced apples and rejected apples. Through the use of a PC located on the plant floor, maintenance personnel are better able to monitor the performance of the peeler fleet. This saves maintenance time as machines out of adjustment can be identified quickly. The system is Windows-based and is capable of downloading production management information directly to the users' business system.

Technical Assistance

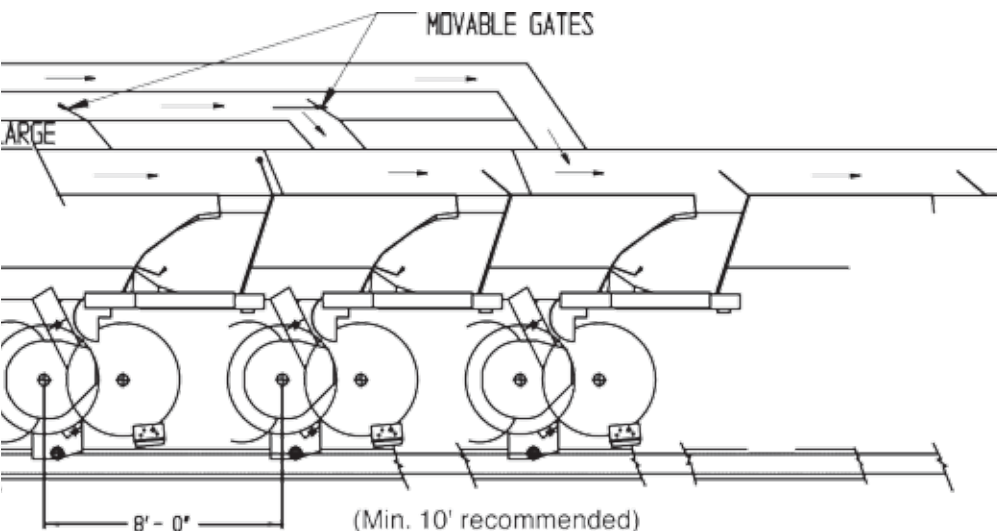
Atlas Pacific, with over sixty years experience in the food industry, has fruit processing equipment operating in over 23 countries throughout the world.

To service these installations, Atlas employs a dedicated team of service technicians, located around the world, ready to assist customers with machine inspections, off-season overhauls, seasonal start-up, or with trouble-shooting.

Along with service support, Atlas Pacific Engineering Company is available to assist with plant layouts and application engineering support as required.



Stainless steel machine (guarding removed)



APPLE PEELING SYSTEM

HYDROFEED

TECHNICAL SPECIFICATIONS (APPROXIMATE)

	IMPERIAL	METRIC
FRUIT CAPACITY	500 lbs	227 kg
WATER CAPACITY	200 gallons	757 liters
DRIVE	1 1/2 H.P. motor	1.1 kw
SHIPPING WEIGHT	975 lbs	445 kg
EXPORT CRATED WEIGHT	1,500 lbs	680 kg
CRATED MEASUREMENT	193 ft ³	5.5 m ³

PEELER

TECHNICAL SPECIFICATIONS (APPROXIMATE)

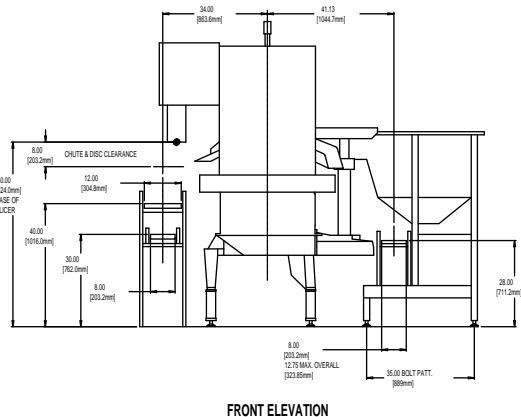
	IMPERIAL	METRIC
CAPACITY	130 P.P.M. (1 ton/hour*)	
WITH SLICER	115 P.P.M.	115 P.P.M.
FRUIT SIZE RANGE	2 1/4 to 4 inches	57 – 108 mm
DRIVES	2 H.P. motor	1.5 kw
WATER REQUIREMENT	6 Gph	22.7 Lph
AIR REQUIREMENT	50 psi	3.52 kg/cm ²
WEIGHT - Standard	3,150 lbs	1,429 kg
- Stainless	3,862 lbs	1,753 kg
EXPORT CRATED WEIGHT		
- Standard	4,400 lbs	1,996 kg
- Stainless	5,112 lbs	2,321 kg
CRATED MEASUREMENT	343 ft ³	9.7 m ³

*Nominal average size apples

WEDGE SLICER

TECHNICAL SPECIFICATIONS (APPROXIMATE)

	IMPERIAL	METRIC
CAPACITY	115 apples per minute	
CONFIGURATION	2, 4, 6, 8, 10, 12, 14, 16, 18 slices	
DRIVE	1/4 H.P. motor	.2 kw
WEIGHT	450 lbs	204 kg
EXPORT CRATED WEIGHT	635 lbs	288 kg
CRATED MEASUREMENT	63 ft ³	1.8 m ³



Atlas Pacific, whose policy is to continuously improve its products, reserves the right to discontinue or change specification without notice and without incurring obligation.

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