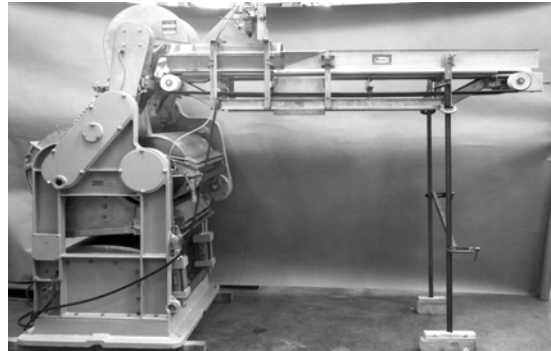




BROWN INTERNATIONAL CORPORATION, LLC

MODEL PINE-O-MAT

PINEAPPLE JUICE EXTRACTOR



APPLICATIONS: The Model Pine-O-Mat is a pineapple juice extractor with a history of almost half a century successfully producing pineapple juice in many regions of the globe. This extractor is usually employed to process fruit sizes too small for efficient processing through Ginaca Processing lines supplying pineapple slices as the main product. For this application the size range processed through the Pine-O-Mat is usually a 9.52cm (3.75") diameter pineapple or smaller. In processing plants where all the fruit is processed to juice the Pine-O-Mat accepts fruit up to 15.25cm (6") diameter. Each Pine-O-Mat would hand a definite size range in these facilities to allow the highest yields extracted. The capacity for 11.3cm (4-1/2") diameter fruit is 8 tons per hour and for 15.25cm (6") diameter fruit is 14 tons per hour.



OPERATION: Extraction of the pulpy juice from the whole pineapple is accomplished in the Brown Model Pine-O-Mat by putting the sized whole fruit onto the Pine-O-Mat Feeder Model 6502. The feeder aligns the fruit so it will enter the Pine-O-Mat where a saw cuts the hard core material and pineapple in half along its long axis and directs each half between two drums. The back drum is covered with long pins, which act to force the pineapple halves through a passage made up of the front drum and a perforated grid. The grid is air loaded to give uniform pressure regardless of peel thickness. The front drum has many small pins, which bite into the pineapple skin, and process the fruit halve through a converging section. This action gives a combination of pressing and shearing. The pressing causes the pineapple eyes to retract into the skin and the shearing removes the pineapple juice stock from the skin. The hard core with juice removed is ejected with the skin. The juice flows to a finisher.

CONSTRUCTION: Types 304 and 17-4 stainless steel are used throughout for all product contact points. The frame members are cast Aluminum and epoxy coated mild steel. As a result, maintenance is reduced and product contamination due to paints specks and rust is eliminated.

SPECIFICATIONS: Model B Pine-O-Mat with Model 6502 Feeder

Overall length	11'-0"	Capacity - input tons/hour	5 -14	Overall width	54-1/4"
Overall height	9'-4-1/2"	Horse power drive POM/Feeder	5 and 1	Combined weight	5,000 pounds
Yields	45-48% (50% with ripe fruit)				

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