

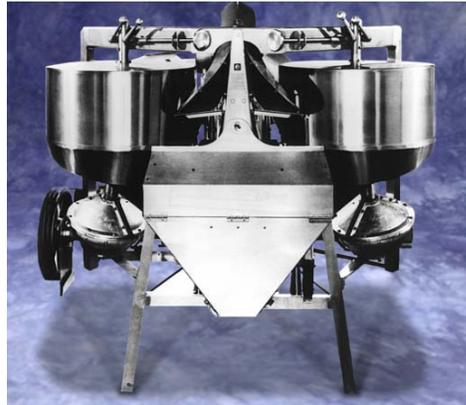


# BROWN INTERNATIONAL CORPORATION, LLC

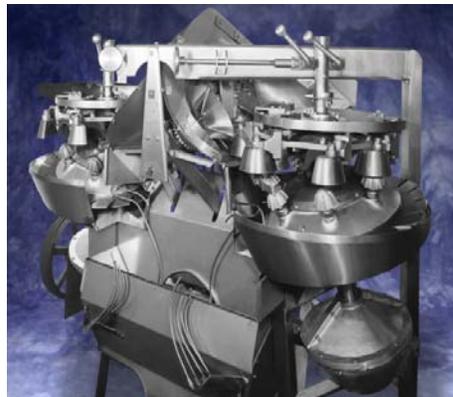
## MODEL 900

### CITRUS JUICE EXTRACTOR

**APPLICATIONS:** The Brown Model 900 Extractor is a commercial citrus juice extractor capable of delivering superior single strength and concentrated citrus juice at high production rates. The extractors can be equipped with components to accommodate oranges, grapefruit, lemons, limes, and tangerines in several size ranges from 1-3/4" to 4-1/2". Up to 350 fruit per minute can be processed through this machine. The extractor is manufactured using all stainless steel and a few FDA approved rubber and plastic parts. This insures the maximum degree of sanitation for a food processing machine, as well as providing an extremely long service life. The Model 900 extractor is typically installed in lines of 1 to 12 machines of which up to 3 or 4 are configured to accommodate each fruit size. Each size extractor tolerates some overlap of fruit sizes making efficient use of all the extractors on each processing line.



**OPERATION:** Whole pre-sized citrus fruit is fed into the extractor for processing. The fruit enters a hopper and is picked up one at a time by a feeder mechanism. The feeder mechanism first passes by a halving knife to cut the fruit in two. The fruit halves are held and gently reamed in cushioned lined cups, much like that which is used with hand juicers in your own kitchen, only on a larger scale. The thick cushion absorbs shock and protects the peel so it can be used for other purposes. Reamed juice from a Brown extractor has greater whole cell sac retention and very little bitter tasting oils and peel extracts. Reamed juice is free of all albedo and flavedo. After all the juice has been extracted, the reamed fruit is released to the peel discharge. Because the juice is not strained in the extractor, the finishing process can be regulated to meet the processor's individual requirements. Both the quality and quantity of pulp can be controlled. The high capacity of the Brown Model 900 extractor coupled with its compact design means more gallons of juice from each extractor, and the most efficient use of floor space. Cleaning the Brown Model 900 is made fast and simple by a built in wash system. The Model 900 is driven by a 2 or 3 HP motor. Low power requirement and high capacity keep operating costs down.



#### SPECIFICATIONS: Model 900

Overall length	67"	Capacity - input	2 - 8 tons/hr oranges
Overall width	67"		3 - 10 tons/hr grapefruit
Overall height	66"	Horse power std. drive	2 or 3

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