

ArilSystem™



The pomegranate possesses some unique characteristics with potential for diverse applications ranging from fresh to processed products including pharmaceutical and nutraceutical. In spite of its many advantages, it is currently a relatively minor crop with limited marketability. The major obstacles to realizing the fruit's full potential are the difficulties involved in retrieving the internal edible seeds (arils). ArilSystem's™ method and system enable opening the fruit without cutting, extracting the arils with minimum damage, separating the arils from any extraneous materials, and delivering clean seeds to a packaging machine. Test results indicate that it is possible to extract 1.4 to 1.8 tons (1.5 to 2 tons) of arils per day in a one-lane machine operated by one or two persons with an extraction efficacy of 95 percent and less than 5 percent mechanical damage. A local manufacturer who has already sold seven machines to several countries is currently producing ArilSystem™ commercially.

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