

HRS ParaDice*

A revolutionary processing solution for diced products!



Mr. T. K. Radhakrishnan

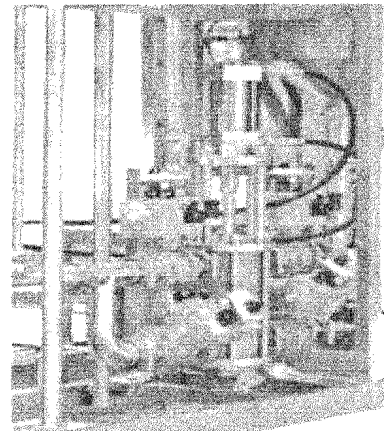
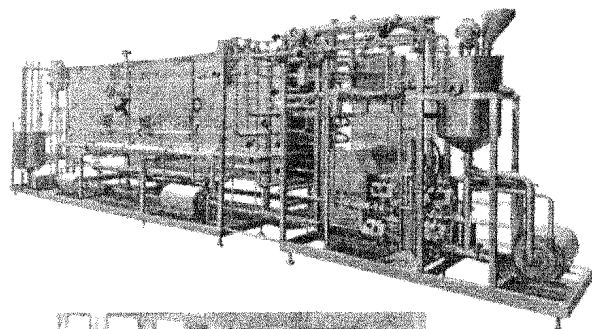
The author is the DGM of business unit Food Systems of HRS Process Systems Ltd (HRS PSL) - a wholly owned subsidiary of HRS International, UK.



The demand for foods with fruits and vegetables in natural form is increasing due to altering consumer tastes. The food processing industry has always faced a limitation for processing fruit and vegetable dices/ particles without damaging them. HRS ParaDice* is one such development by HRS Process Systems Ltd, which is capable of processing fruit dices / vegetables & particulate foods without shearing them.

HRS ParaDice* is a unique offering from HRS Process Systems for dices and ready-to-eat food processing industry. This system processes fruit dices / vegetable dices/ particulate foods without any damage. The dices are pumped using HRS Hygienic Piston Pump and treated in the highly efficient ECOFLUX* 'DT' Series Heat Exchangers. These particulate foods are pasteurised for hot fill or aseptically processed for filling in aseptic containers. This technology opens up a huge potential of applications for food processing, to ensure better shelf life, natural taste and structure for a range of foods. The systems is integrated with a closed loop hot water system consisting of ECOFLUX* 'K' series tubular heat exchanger for steam economy makes HRS ParaDice* a

complete solution for hassle free operation and minimal maintenance.



Applications of HRS ParaDice*:

HRS ParaDice* can be used for a large variety of particulate foods like Fruit bases, dices, extracts & toppings, Custards & puddings, Ice-cream with particles, Sauces with particles, Salad dressing & spreads.

Also, HRS ParaDice* has revolutionized and eased out the

challenge to safely treat Ready-to-eat convenience foods like Indian curries, Mixes, mash, purees and other specialized processes like Blanching & Chilling of vegetables, Continuous Rice Cooking.

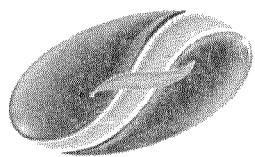
Advantages of HRS ParaDice*:

This innovative processing technology opens up a huge potential of applications for fruits and vegetables, where the natural taste, texture and shape is the primary concern. We have conducted successful product trials of particulate foods through HRS ParaDice* and found that the product color, aroma and taste are maintained after processing. Also, in most of the trials, there is minimal product loss even if the volumes are high.

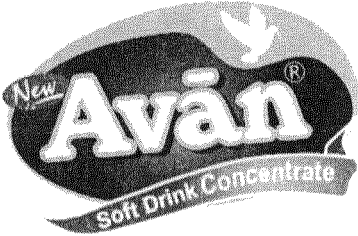
About HRS PSL:

HRS Process Systems, a part of the HRS Group that operates at the forefront of

thermal processing technology is one of India's leading heat exchanger and fruit/food processing solutions specialists. Established in India in year 2003, the company is ISO 9001:2008 certified with high rating from CRISIL with over a decade of experience in supplying state-of-the-art solutions for heating, cooling, pasteurizing, sterilization, evaporation and aseptic processing of various fruit pulps/beverages for the food/fruit/beverage industry. Their innovative products include ECOFLUX* corrugated tube heat exchanger, UNICUS scraped surface heat exchanger, FUNKE plate heat exchanger, HRS Piston Pump, HRS ParaDice* dice pasteurizer, Aseptic Fillers, Integrated systems for food processing and evaporators.

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