

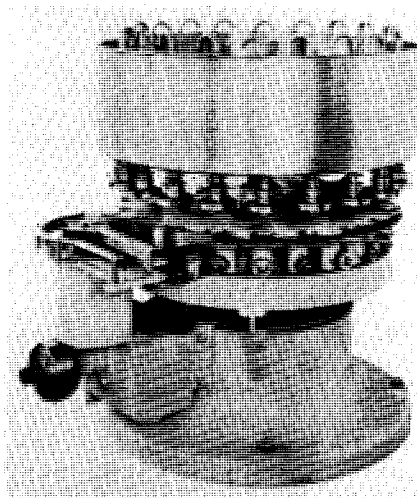
NEW PRODUCTS AND EQUIPMENT

Cleaner for Dairy and Food Processing Plants

Raydex, a low cost cleaner for dairy and food processing plants and equipment is being marketed by the Pennsylvania Salt Manufacturing Co. The cleaner is a granular alkaline formulation designed for heavy duty service in either hard or soft water. Pennsalt says that the cleaner contains no inert material, filler, or water, and is completely free of abrasives.

Raydex is available in full opening, fiber drums containing 125 and 350 pounds. **PE1**

Liquid Can Filler



Dura-Mill Liquid Filler manufactured by Turbo Machinery Co. features a cone shaped bowl which facilitates cleaning and an antifoaming valve which prevents foaming during filling. The filling machine is available in two models; the 20 station model has filling speeds up to 300 cans per minute, the 12 station machine handles cans at the rate of 100 cans per minute. **PE2**

Irradiated Polyethylene Film

Heat and chemical resistance of polyethylene are improved markedly by bombardment with high energy cathode rays. This irradiated material is now being offered experimentally in narrow film form by General Electric Co.'s Chemical Division. In the form of insulating tape or packaging film, it is expected to be important in development of new heat resistant and sterilizable transparent containers for foods, drugs, and pharmaceuticals.

Irradiation causes cross-linking or vulcanization of the polymer giving form

stability at 300–350° F. and resistance to cracking when stressed in contact with solvents or chemicals. Development work is being continued on other fabricated forms such as bottles, housewares, and tubing. **PE3**

Straight Line Strainer

A newly designed "in line" strainer is available to provide clean uninterrupted flow of water, air, or gas. Construction features reduce friction loss and turbulence. Larger screening area gives high efficiency and less frequent strainer cleaning, claims manufacturer. Installed with union couplings. Available in 1/4", 3/8", 1/2", 3/4", and 1" pipe sizes of noncorrosive materials from Industrial Sales Division, Hays Manufacturing Co. **PE4**

Portable Refrigeration System

A sealed unit for a wide variety of cooling requirements has been introduced by A. Daigger & Co. The manufacturer recommends the unit for control of constant temperature work, temporary storage of unstable chemicals, cooling for fractionation columns, bath for thermometer calibration, a freezing stage for microscopes, power source for dry freezing, and other applications to 0° F.

Comes complete with 6-foot length of insulated tubing and a copper coil. Unit is flexible enough for other coils of special design. **PE5**

Molded Plastic Stacking Trays

A stacking tray for food handling has been developed by the Molded Fiberglass Tray Company. Molded of lightweight, reinforced plastic, the trays are equipped with stacking lugs on the outside of all four corners serving both to facilitate stacking and further reinforce the corners. The manufacturers claim these trays, available in several standard sizes, are noncorrosive and resistant to most acids and alkalis. Available in a wide variety of colors, these trays were originally developed to modernize the handling of baked goods. They are also offered as containers for food handling in general. **PE6**

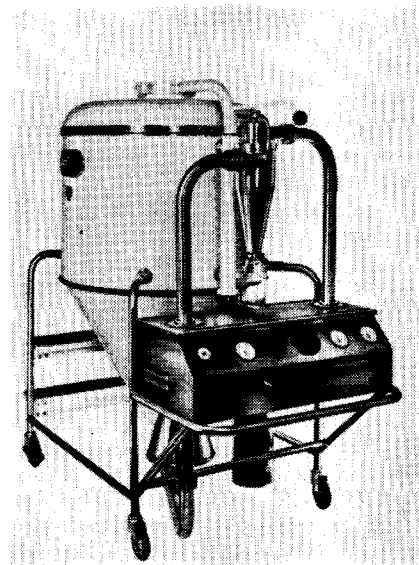
Continuous Low Temperature Dryer

A high speed continuous low temperature dryer for processing temperature sensitive products has been developed by the Surface Combustion Corp. The low relative humidity required for drying is

obtained by dehumidification of the air rather than by raising air temperature.

The dryer consists essentially of dehumidification equipment, an air distribution system and conveying equipment for handling the raw material. The dryer is available in standard sizes ranging from 100 to 2000 lb. hr. **PE7**

Portable Spray Dryer



Portable spray dryer unit for pilot and small scale production. Unit is constructed of stainless steel, with two built-in heaters, one electric and the other direct fired gas, both controlled directly from the panel control board. **PE8**

Freezing Point Depression Apparatus

A freezing point depression apparatus which permits rapid and accurate cryoscopic and osmotic activity determinations of 1 ml. samples of aqueous solutions is available from the American Instrument Co. The apparatus can be used for the determination of osmotic pressure and molecular weight with an accuracy of $\pm 2\%$ or 1 milliosmole per liter whichever is greater.

The apparatus features: a simple refrigeration system which obviates the use of water baths, minimum variations in temperature gradient, use of standard test tubes for determinations, sample is visible throughout the determination, end point is always compared to readings of standard solutions and actual values are obtained by interpolation. **PE9**

▶ See coupon, page 483, for further information ▶