will probably follow making it theoretically possible, according to Porterala, for customers to ship dyed, finished and inspected goods direct from the 35,000 sq ft Mascoe plant to their customers.

The Mascoe 776 dryers are the second stage in the company's product development plan. The company initially concentrated on coated fabric equipment and upon development of the model T.C. II frame coater. Then it began work on drying equipment. Mascoe, incidentally, is also pursuing the design of foam dyeing and finishing equipment.

One of the more interesting aspects of Mascoe's dryer is that it can be converted to use solar heated make-up air and high temperature electric boosters employing nuclear generated power. To achieve this accommodation, Mascoe has, among other design improvements, reduced the dryer's internal air volume by 66% compared with conventional designs, reduced the internal structure heat loads by 54% and increased insulation to cut radiation and convection losses by 100%.

Along with its low energy requirements, the Mascow 776 is quick to clean. Porterala claims that his 95 in. dryer can be cleaned in less than 30 minutes, compared with the eight hours it usually takes to clean conventional dryers.

Hisaka was represented at the official opening ceremonies on November 2 by Kozo Taniura, executive vice president. Hisaka, founded in May 1942, entered the US market in 1969. World-wide, the company has sold 1,960 jet dyeing machines consisting of 3,577 tubes since 1967. More than 900 tubes of the FL model, the unit installed at Mascoe, have been sold.

The FL jet runs at a speed of from 330-550 yd/min and processes knits or wovens in a wide range of weights—from 1.5-19 oz/yd—with no distortion, compression or pillage. It is a rapid dyeing unit, completing a dye cycle in less than 60 min. □□□

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ing the show.

This process is of special interest to major finishers of knit fabrics, Tube-Tex adds. With foam finishing, the company has found that it is able to increase production on a tubular knit resin range by as much as 100% while maintaining the high quality standards. Preliminary tests indicate that costs of energy and labor can be cut by approximately 50% and the cost of chemicals can be reduced by between 15 and 20%.

The Tube-Tex low profile, two-roll foam pad was developed primarily for the application of foamed finishes. The machine may also be used for the traditional aqueous finishing method. □□□

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