



Medical Products C84 Continuous Ink-Jet Printing

Market

What is being marked?

Small plastic vials with 24% sucrose solution for children. This manufacturer produces medical products for premature and sick newborns.

Application

Why is it being marked?

Primary packaging identification. Printed message includes 2 lines (Line 1 is 7 high), product brand name 1 ml (Line 2 is 5 high), lot number and expiration date. Marking area is flat and about 3/8" x 7/8".

When is it marked?

After vials are filled and sealed.

How is it marked?

With Matthews I-Mark C84, CIJ Printer, using black MEK-based ink (L-219). Vials slide down a metal chute past trigger and then printed. Moving speed is approx. 70 fpm. The C84 printhead is positioned in a horizontal orientation.



Helpful Hints

Customer plans to replace metal chute with a bowl feeder and conveyor in the near future. Then, they will print 2-3 lines, depending on the product, but running slower on the conveyor.

This customer purchased a second unit and plan to print on both sides of vials.

Initially, this customer was purchasing vials that were pre-marked. The C84 addition to their production improves their delivery and reduces the overall cost of their product by nearly 2 cents a vial.

A fiber-optic, through beam is used in this application. The product surface is transparent white.



Matthews Marking Products

Ink-Jet Printing • Contact Printing • Indenting • Etching • Inks • Integrated Solutions

Matthews Marking Products, 6515 Penn Avenue, Pittsburgh, PA 15206 Tel (412) 665-2500 Fax (412) 365-2042
www.matthewsmarking.com