

FILAMATIC NEWS

NATIONAL INSTRUMENT COMPANY, INC. • 4119 Fordleigh Road • Baltimore, MD 21215 • Tel. (410) 764-0900 • Fax (410) 764-7719

Internet: <http://www.filamatic.com> • Email: info@filamatic.com

Fall 1999

*Manufacturers of Liquid
Filling, Capping and
Packaging Systems*



Contact: Sales Department,
For more information

New Rotary Capper Applies Screw Caps With Brush Inserts at Speeds of 120 per Minute

National Instrument Company recently introduced a continuous-motion, rotary capper designed for handling containers with brush-inserts and screw caps. Tradenamed the **CAPAMATIC**[®] Model RPC-400, this new four head capper offers the simplicity of a cam-driven machine, designed to insert brushes and apply screw caps at production rates up to 120 containers per minute, utilizing **CAPAMATIC**[®] collet chuck** technology. National Instrument Company's numerous liquid fillers can be integrated with the RPC-400.

The RPC-400 rotary capper is designed for containers with brush-inserts and screw caps, such as nail care products, mascara, lip gloss, correction fluid, paint, adhesives, etc. A variety of containers, brush inserts, and screw cap shapes and sizes can be accommodated. Additional functional configurations are available. For example, a dropper tip or spatula can be inserted in place of the brush.

Five turrets transfer the commodities through the RPC-400's various stations. Brushes are inserted into the containers, where upon they snap into place inside the caps when the caps are screwed onto the containers at a specific torque. Additional capping heads can be incorporated depending upon specific requirements, such as speed, etc.

A two-horsepower motor powers the RPC-400's five gear-driven turrets, which remain in perfect synchronization at any production rate. The capping chuck assemblies are gear-driven, utilizing pneumatic clutches for torque control.

The RPC-400's safety features include a perimeter guard assembly made of transparent polycarbonate and overload clutches on the infeed turret and main drive. Photoelectric sensors detect rejects, which are tracked throughout the various stations and are finally rejected onto a collection tray.

The **CAPAMATIC**[®] RPC-400 is designed to be compliant with the requirements of the Uniform Fire Code's Class 1-B flammable liquids code, and the NFPA Code 30, Class I, Division 2 specifications.

** Patent Pending