

# MEDICAL DEVICE MANUFACTURING

## CUSTOMER

Global Manufacturer of Medical Devices  
Central New York

## APPLICATION

Potting a fiber optic bundle on an otoscope head.

## CHALLENGE

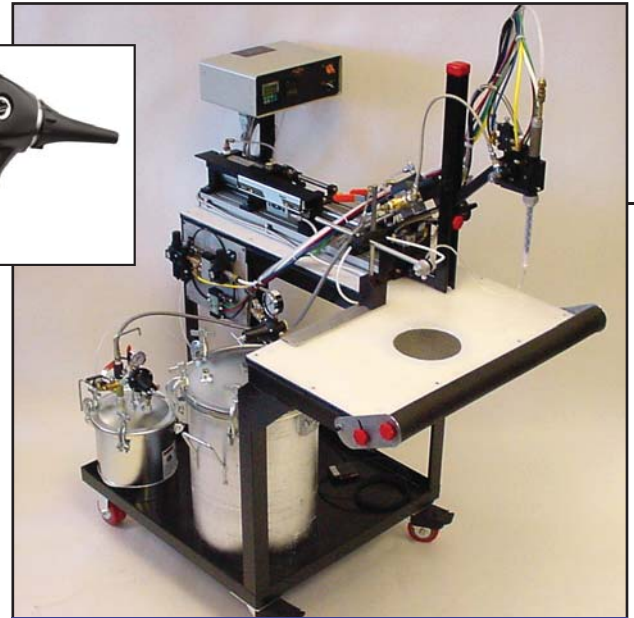
The company needed a better, faster and more reliable method for potting a fiber optic bundle on an otoscope head. A low viscosity resin was selected that had suitable mechanical properties but presented challenging process parameters. Additionally, regulations inherent in the manufacturing of medical devices imposed specific restrictions on an otherwise straightforward process and on the system design.

## SOLUTION

Exact engineers selected the compact Model 860-5 equipped with a Digital Preset shot size control that incorporates a Linear Encoder for precise, repeatable shots. A 400 Series Dynamic Mixing Head was chosen to address the challenging mix requirements of the epoxy. These items were incorporated into a mobile cart, the use of which facilitated the qualification process for the equipment. An ergonomic work station was designed into the cart, providing a comfortable platform for the operator.

## RESULT

The customer now has a reliable, ergonomically designed production platform with mobile capabilities to suit remote



### *EXACT products supplied-*

- *860-5 Single Acting Inline Meter/ Mix & Dispense System*
- *Digital Preset Shot Size control with Linear Encoder*
- *Dynamic mixing head*
- *Mobile cart with integrated ergonomic work station*

task requirements. A second system was added as production requirements increased.

