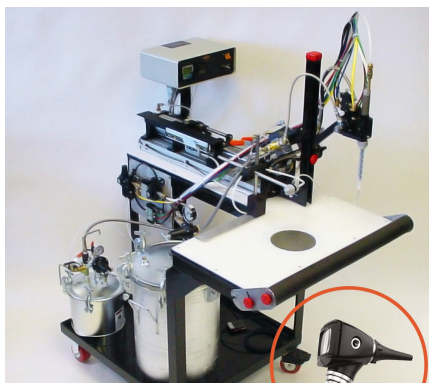




MEDICAL DEVICE MANUFACTURING



APPLICATION:

Potting a fiber optic bundle on an otoscope head.

PRODUCT 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

CHALLENGE:

The company needed a better, faster and more reliable method for potting a fiber optic bundle on an otoscope. 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 task requirements. A second system was added as production requirements increased.