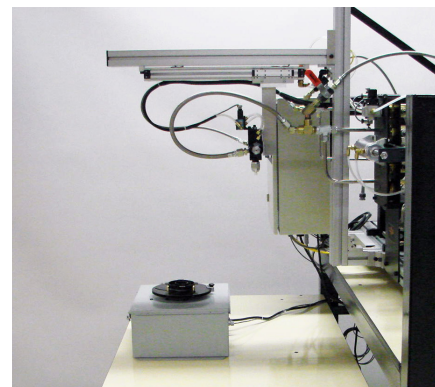
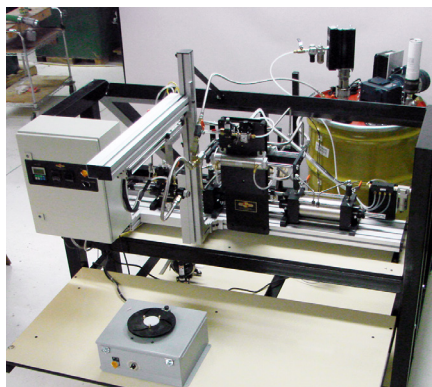


Application Story:
Filter Manufacturing End Cap Potting

Filter Manufacturing - End Cap Potting



APPLICATION:

Potting filter end caps using a fast setting, plural component urethane.

PRODUCT SUPPLIED:

- 9450 Double Acting Inline Meter/Mix & Dispense System
- Cascade Drum Assembly (Iso)
- 85-gallon Drum with Heavy-duty Electric Agitator (Poly)
- Circular Bead Dispenser

CHALLENGE:

The project required Exact engineers to design and execute a large scale, fully integrated mobile platform on which a full meter/mix system, including feed drums, could be mounted. Additionally, they were tasked with providing a removable work platform on which a Circular Bead Dispenser could be situated.

SOLUTION:

EXACT Dispensing Systems designed and fabricated a robust mobile platform upon which a Model 9450 Double Acting Inline Meter/mix and Dispense System was mounted. Additionally, a continuous flow Cascade Drum Assembly for the Isocyanate component was provided which accommodates a pair of 55 gallon drums stacked on their sides. An 85 gallon drum for the Polyol

component was provided which included a feed pump as well as a heavy duty electric agitator to keep fillers in suspension.

Sidewall mounted level sensors provide an audible and visual signal when A or B fluid levels reach a low level condition.

A removable platform mounts to the front of the frame and provides a suitable location for the Circular Bead Dispenser. The dispenser features a Series 22 Adjustable Chuck which is infinitely adjustable for diameters from 2" – 8". A rotational speed control is provided as well as a dwell timer to allow additional rotation after the completion of the volumetrically dispensed shot.

The 2K dispense head is mounted on a linear slide which positions the dispense tip either over the part or at a second location for automatic purging of the disposable static mixer.

RESULTS:

Rather than setting up multiple production lines with drum feeds at each location, this turnkey solution provides a flexible dispensing platform capable of being located wherever production requirements dictate. The adjustable chuck accommodates multiple product sizes. The 9450 Double Acting Meter/Mix system is the largest production in-line meter/ mix on the market, providing the lowest down time due to maintenance.