

CASE STUDY

Lighting Manufacturer Improves Process and Quality While Raising Worker Satisfaction



What was the situation?

ADB Airfield is an aircraft lighting manufacturer and is bonding and potting airfield lighting products. They wanted to increase production and improve dispensing performance for the operator. They have many sizes and types of runway lighting products. They wanted to increase their production rate from 200 up to 500 lighting units per day.

For a particular series of lighting products they wanted a manual dispense system that allowed an operator to visual fill products. The operator would dispense from 118 cc up to 600 cc per lighting unit in 10 to 20 seconds depending on the volume. ADB Airfield chose to use Dow Corning Sylgard Silicone at 1:1 ratio by volume with 2,360 cps viscosity and 1.38 SG having Quartz Filler supplied in 5 gallon pails.

What did the manufacturer do?

Leveraging the capabilities of the SEE-FLO 7 continuous flow meter system, the overall process became more efficient due to increased production, higher quality product and labor savings. The new system consisted of vacuum supply tanks, double-acting meter, No-Drip 2K manual mix dispense valve all on a unitized cart with overhead boom.

The previous process was replaced with a simple electric trigger pull, providing a more accurate and uniform dispensing bead. With costs minimized, quality improved, and worker satisfaction raised, the aerospace company can now produce more products in a more profitable manner.



Servo-Flo 7 Specifications:

Meter Height: 48 inches
Meter Width: 35 in. x 16 in
Volume: Continuous Flow

Meter Principle: Positive Rod Displacement
Power Head: Air-Draulic air-over-oil drive
Supply: Pressure Tank for Material Supply

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