BINKS®

Success Stories

The Binks Advantage – DVP Pump
Flexibility Reduces Production Time & Increases Throughput

The Challenge

A Midwest tanning company tans and dyes leather rawhide pieces to make leather products. It operates three conveyor lines each with a spray system running eight automatic air assist airless spray guns and three pumps. Three spray guns are triggered at a time. The competitor pumps on the finish line were not versatile enough to handle the coatings used and required considerable downtime for pressure adjustments. The company needed pumps with the ability to feed multiple spray guns in a continuous operating environment.

The Binks Advantage

The company sought out Binks to help solve its finish line problems. Binks recommended using low pressures to adjust the spray pattern widths and flow rates to minimize downtime and for greater flexibility with coatings applications. Binks put the DVP Pump on the finish line along with its MAG HVLP spray guns.

Performance & Efficiency. The DVP/MAG system proved to be a winning combination. The pump was able to withstand the harsh finishing environment, but remained flexible enough for easy fluid flow adjustments due to:

- Rapid delivery of 1.9 gallons per minute at 40 cycles/minute
- Even material flow at up to 60 cycles/minute
- Anodized aluminum and PTFE wetted parts for a wide variety of materials
- Quick-flushing/quick-material-changing design for faster changeover in multiple applications

In addition, the MAG HVLP's design – the needle adjustment is in the rear of the spray gun – allowed it to respond to increases in flow rates without requiring a tip change. The DVP/MAG HVLP combination achieved greater film build and enabled the tanner to apply more material per pass and eliminate one step in its finishing process and still achieve the desired coverage. In short, production increased, labor was reduced, and overall efficiency has improved.