



# AutoBlend Systems Prepolymer Foam Production

## Advantages

- Manufacturers can custom blend on-site, the prepolymers they need for various products.
- The production system can be automated.
- Workers are not exposed to the various process chemicals.
- Eliminates the need to store different prepolymer blends.
- No mixing tank needed.



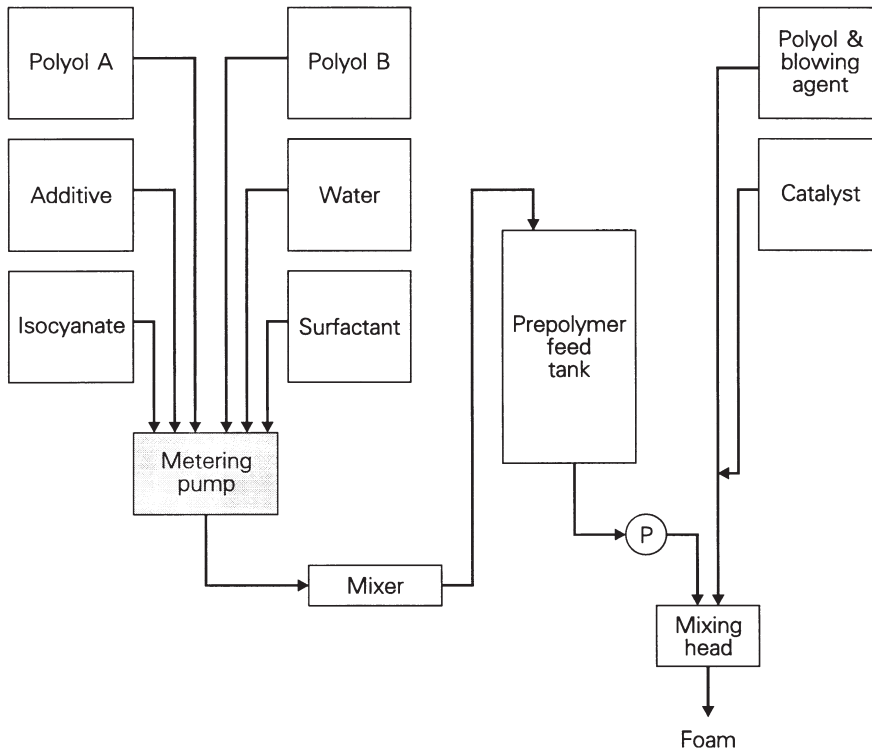
## Problem

Require a precision method of injecting the proper amounts of surfactants, additives, dyes and other chemicals into the polyol stream with consistent, repeatable results.

## System Operation

The metering pump injects the chemicals into the polyol stream. The rough mixture then passes through a static mixer prior to storage in the prepolymer feed tank. Next, the prepolymer is mixed with the polyol, a catalyst, and a blowing agent, and forced through a mixing nozzle into a mold.

## Simplified process diagram



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