

## Example 1

Chemical Manufacturing Company A

Customizing the system for the liquid and the application, we offered a resolute plan as an optimal solution.

## Consultation Details

During transfer, some ultraviolet curable resin had a tendency to solidify.

When moving the ultraviolet curable resin, the liquid would coagulate in one pump, making transportation impossible, reducing the yield rate, and creating a bottleneck in production.

## TACMINA's Proposal

Develop a special pump to eliminate shear.

We suggested a Smoothflow Pump without any sliding parts. Additionally, improving the valve seats to reduce shear\* as much as possible would allow the liquid to be transported stably without any changes to its quality or characteristics.

\*Referring to shear stress, a material's ability to slide forward in a parallel direction within an object.

## » Steps to a Solution

