



Best Practices

Restarting a Polymer Quench Bath after Shutdown

Required Products

- Grotan

Eliminate Bacteria, Fungus and Mold Before Starting Up

DuBois Chemicals polymer quenchants contain biocides to eliminate bacteria/fungus/mold growth in working baths. Unchecked bacteria growth will reduce the pH of the quench solution which can lead to corrosion of the quench equipment and heat treated parts. Without biocides, bacteria/fungus/mold will quickly grow and adversely affect the polymer quench solution and part quality can be compromised. Key notes to remember concerning biocide additives:

Biocide additives are typically < 5% of the concentrate composition. This necessary component keeps the product preserved during storage. Polymer baths at 20, 10, or 5% polymer concentration for example, reduces the biocide additive to increasing smaller amounts. These components are effective, but do not work without replenishment.

- Stagnate unused baths due to shutdowns are prime targets for bacteria/fungus/mold growth because the biocides in the bath will be exhausted fighting off bacteria/fungus/mold growth due to the lack of fresh polymer containing the biocides are not being added to the bath on a regular basis
- Bacteria/fungus/mold contaminated baths will create very offensive rancid odor your employees may be exposed too.

Starting Up a Polymer Bath after a Shut Down

Please remember to consult with your DuBois Sales Representative to ensure that biocide you are using is registered in the state it is going to be used. It is advisable to add the product **Grotan** to prevent these issues. Additions of **Grotan** to baths is 0.15% per volume of the bath.

Unsure About Your Bath?

If you are unsure of your bath being contaminated with bacteria/fungus/mold, its polymer concentration or quench rate and would like it tested before starting it up again for production purposes, please follow these instructions:

1. Agitate the batch for 10 minutes
2. Turn bath off and collect a one gallon sample
3. Send sample to:

DuBois Chemicals
Attn: Main Lab
6100 Vancouver St.
Detroit, MI 48204