

COATING PAN CLEANING HPMC & IRON OXIDE PIGMENTS

CASE
STUDY

(Inhouse / Opadry / Aquapolish / Others)

Chematic® 422

THE CHALLENGE - MULTI-STEP CLEANING

An inefficient cleaning chemistry led a Multinational pharmaceutical manufacturer to experience excessive downtime. The previous process of cleaning Opadry red coating utilized multiple detergents & labor intensive scrubbing, and left behind visible haze from pigment on equipment, which required additional manual cleaning. A wrong cleaning process further increased their cleaning downtime, negatively impacting productivity.





CHEMATIC® SOLUTIONS & RESULTS

Chematic® critical cleaning detergents are targeted to provide optimal cleaning results. This means they eliminate product as well as pigment residues left behind on equipment - the first time - without the need for a reclean. As a result, our detergents and customized cleaning recommendations reduce overall cleaning time, water and energy consumption, improving productivity.

PROBLEM

GOAL

RESULT

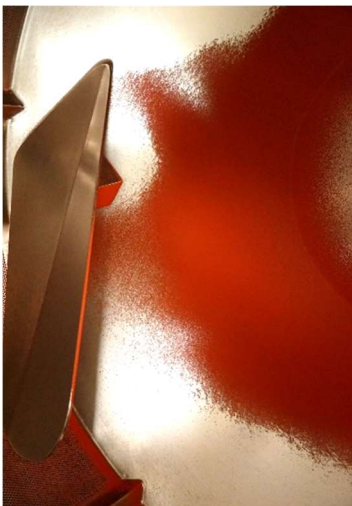
 > 4 working shifts of automated cleaning + manual recleaning	Reduce cleaning time	3-4 hours of automated cleaning including drying.
 Manual spray and scrub application that caused equipment damage	Eliminate manual re-cleaning Decrease manual labor	No manual scrubbing/cleaning Improved capacity and scheduling
 High alkaline liquid detergent followed by acid detergent step to remove haze	Minimize cleaning cycles by cleaning polymer and pigment in a single detergent step	Chematic® 422 eliminated need for multiple detergents
 80°C water temperature	Decrease in temperature	60°C water temperature

 TIME

 ACTION

 CHEMISTRY

 TEMPERATURE



Before Cleaning



After cleaning with
Chematic® 422

RESULTS

- **>85% Reduction** in total cleaning time
- Eliminated time consuming intermittent water wash step between batches of a campaign, resulting in **additional time savings**
- Increased production capacity to **>100 batches/year**
- **Eliminated manual scrubbing** of the coating pan
- **Safe pH Levels** that allow disposal straight to drain
- Single detergent cleaning

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