

# Technology screening in powder production for an international cosmetic contract manufacturer



## Objective

The contract manufacturer's machinery is obsolete. In order to remain competitive, the manufacturer must modernize. It is imperative to determine which products and processes would be most affected by replacement of the machinery.

## Goal

Define the state-of-the-art in mixing and grinding technology of powder processing in the production of cosmetic powders.

Conduct a comparison of processing with the current machinery offerings of the manufacturer and show where significant optimization is required.

Recommend the best machinery configuration with respect to the needs of the clients.

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## Methods

- ◆ Clarify the manufacturer's technical status quo.
- ◆ Conduct research concerning the state-of-the-art production technology of cosmetic powder processing.
- ◆ Interview mechanical engineering companies especially from the mixing and grinding engineering market.
- ◆ Conduct screening and evaluation tests.

## Result

We presented the potential for optimization of the process line (and therefore the received products) created by the use of new techniques utilizing the new machines. After evaluation we recommended a partial renewal of the company's machine park concerning the mixing and grinding processes.