

Technology screening of the pressed powder processes for an international cosmetic contract manufacturer



Objective

A cosmetic contract manufacturer has detected quality problems in their pressed powder products. This may be a result of obsolete pressing equipment. The definition of the “state-of-the-art” of pressed powder production and an examination of current powder pressing technologies available on the market should show opportunities for updates of the technology or the production machines. The question is whether investment in at least one new press will help to preserve the competitiveness of the company.

Goal

The client should be able to make a decision concerning a capital investment in a modern production line for cosmetic pressed powders using the collected and evaluated data.

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Methods

- ◆ Clarify the manufacturer's technical *status quo*
- ◆ Conduct research concerning the state-of-the-art production technology of cosmetic pressed powder processing
- ◆ Compare and select possible alternatives of the company's *status quo*
- ◆ Conduct interviews with mechanical engineering companies, especially with engineers working with powder pressing systems
- ◆ Perform screening and evaluation of new technologies

Result

We screened and presented the available different production technologies along with the pros and cons of the new processes and machines. New techniques were explained and evaluated. A recommendation was made concerning the preferable technology and the corresponding new machinery requirements.