

Screening of assembly lines of pressed powder products for an international cosmetic contract manufacturer



Objective

The production processes of pressed powders are changing. The demand of different compact powders is steadily growing and therefore the production capacities are also growing. The packaging of the compacts is currently a manual process. With increasing demand, the manual process should be optimized with appropriate machinery support. A screening of assembly lines for pressed powders should address the advantages and feasibility of a system with resultant potential cost reductions with an investment in new packaging machinery for the contract manufacturer.

Goal

Following a technological examination and report concerning the possible alternatives in the packaging of pressed powders, the client should be able to make a decision based on the advantages and disadvantages of a fully or semi-automatic packaging assembly line.

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Methods

- ◆ Clarify the manufacturer's technical *status quo*.
- ◆ Conduct research concerning the different packaging technologies and select the best alternatives based on the client's unique situation.
- ◆ Interview manufacturers to specify the advantages and disadvantages of various assembly techniques.
- ◆ Screen and evaluate the alternatives.

Result

We prepared a detailed presentation of possible suppliers for a technological reorientation and change towards semi or fully automatically assembly lines for processing of pressed powders. Procurement and maintenance costs were documented as well as an evaluation of the benefit and expected cost savings. Our client received an extensive report as a basis for further investment in capital equipment specifically for assembly lines.