Team #4

Beulah Inc - Brushes

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Client: David Nevill

PURDUE
P O L Y T E C H N I C

Customer Background

Beulah Inc. is a manufacturing company that was founded in 1995 and is in Valparaiso, Indiana. Part of their operation deals with adhesive applicators in the automotive industry. Our project involves the process for consistent production of the brushes.

Problem Statement / Scope of Work

Beulah Inc. would like to automate their process of turning the large bundles of goat hair that they receive from their suppliers, into smaller bundles to fit their final product. Currently the process is done manually overseas, and Beulah receives the finished product. Beulah would like a more automated process that they would be able to operate at their own facilities.

Requirements

We were required to make the processes to make a brush from the bundle shown on the bottom left to the final product shown on the bottom right.

Input

Process

Output