

Predicting the quality of a diaper in production

Based on the input received which is 500+ manufacturing sensors for different parameters (heat, vibration, concentration, speed, etc.) the project proposal would be the following:

Build a machine learning model to predict the combination of events that can lead to a bad quality product based on early stages of the manufacturing process by means of the various sensors throughout the fabrication operations. The machine learning model will predict based on early indications if the quality of the diapers might be impacted as the values measured in one of the different stages of the process change.

By doing this our goal is to provide a predictive tool that would help to not only react to a quality problem, but proactively look for timely indications of any deviation on the process that might lead to bad quality diapers and in this way minimize losses.

