

# **MAMP AUTOMATION SCOPE DOCUMENT**

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**PREPARED BY:**

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**PROJECT OBJECTIVE:**

The project is to automate the step of mapping the capacity and demands of moulds by maintaining and tracking the mould information.

**PROJECT SCOPE:**

Step 1: This portal used to have an upload option in order to capture the data entered in portal.

Step 2: The data to be entered in portal as asset code, product code, brand, SKU, asset location, product drawing, and demand. Demand should be divided into peak demand and normal demand (with time month period should be given).

Step 4: The asset technical data also should entered in portal.

Step 5: The asset technical data's are no of cavity, cycle time for mould (in mins), Cycle time of machine (in Bottles per minute), output of machine (in secs), asset rejection, capitalized on (date and year), mould life to be enter in the portal.

Step 6: the Output of machine (in secs) =  $60/\text{Cycle time for mould}$ .

Step 7: Based on the above provided input the output has to be displayed in dashboard.

Step 8: The Dashboard should display with the headers as asset code, designed mould capacity, Actual mould capacity, Rejection rate (in %), Demand Vs Capacity (in %), Shots covered, Month.

- **Designed Mould capacity** must be have input field to get No of Designed cavities. And the Designed mould capacity must be calculated using the below given formula.
  - $25*22*60*60/\text{cycle time for mould} * \text{no.of designed cavity}$ .
- The **Actual mould capacity** should be calculated by below formula as,
  - $25*22*60*60/\text{cycle time for mould} * \text{no. of actives cavities}$ .
- The **rejection rate (in %)** should automatically calculated and display in percentage wise based on the below formula,
  - $\text{Rejection rate} = (B-C)/B$
- The **Demand Vs Capacity** should display based on 3 slabs namely underutilized, optimum utilization and overload as mentioned below.
  - 0% to 30% - underutilized.

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- 30% to 80% - optimum utilization.
- Above 80% - over loaded.

Step 12: In demand Vs capacity the Over loaded value should make the mail notification to stake holder. The overloaded status should make an alert in portal with red in colour should display.

Step 13: **short covered** should display in cumulative month wise and current month wise based on the below formula.

- Current month demand / active cavity.