SECONDARY DASHBOARD SYSTEM

Work Instruction

IT | System Group – MN. OMABTANG

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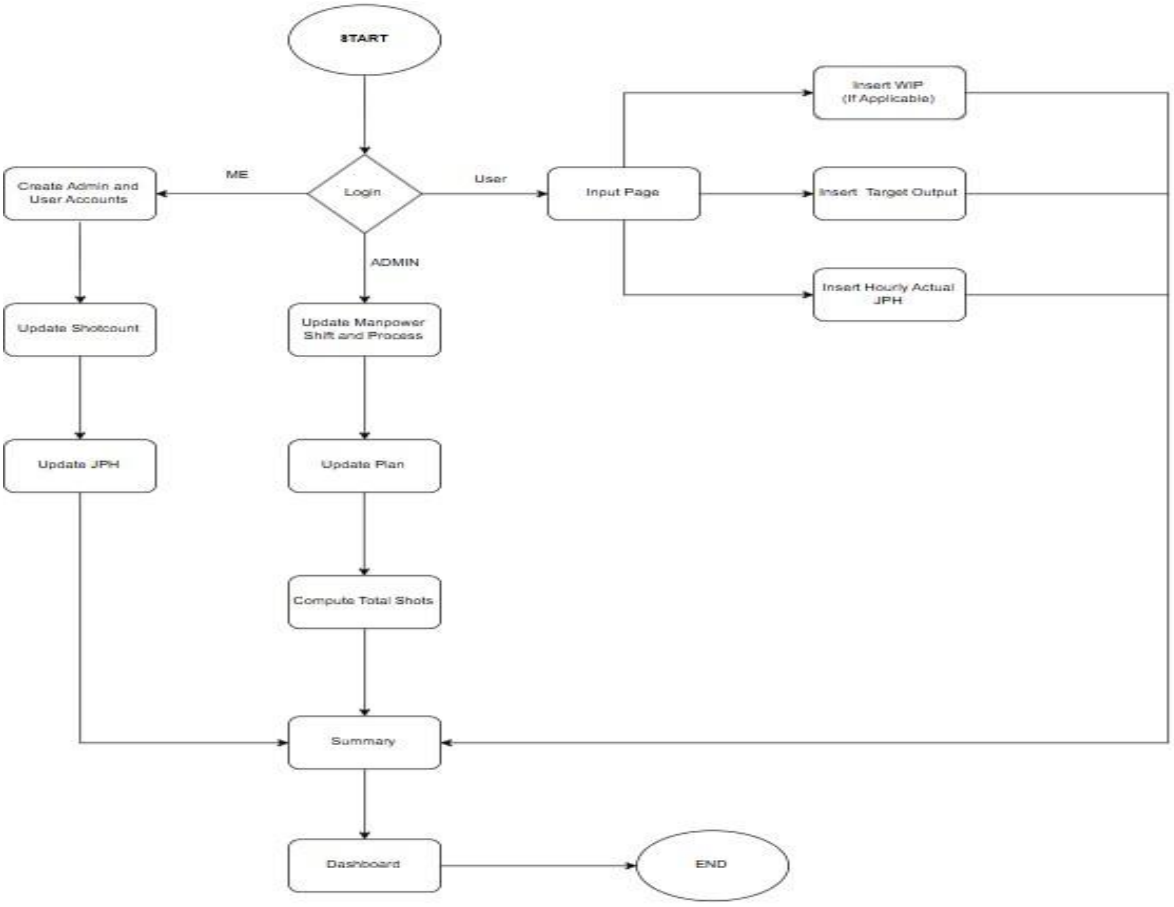
I. SYSTEM OVERVIEW

- Live System Link: http://172.25.116.188:3000/secondary_system/

- Process Flow

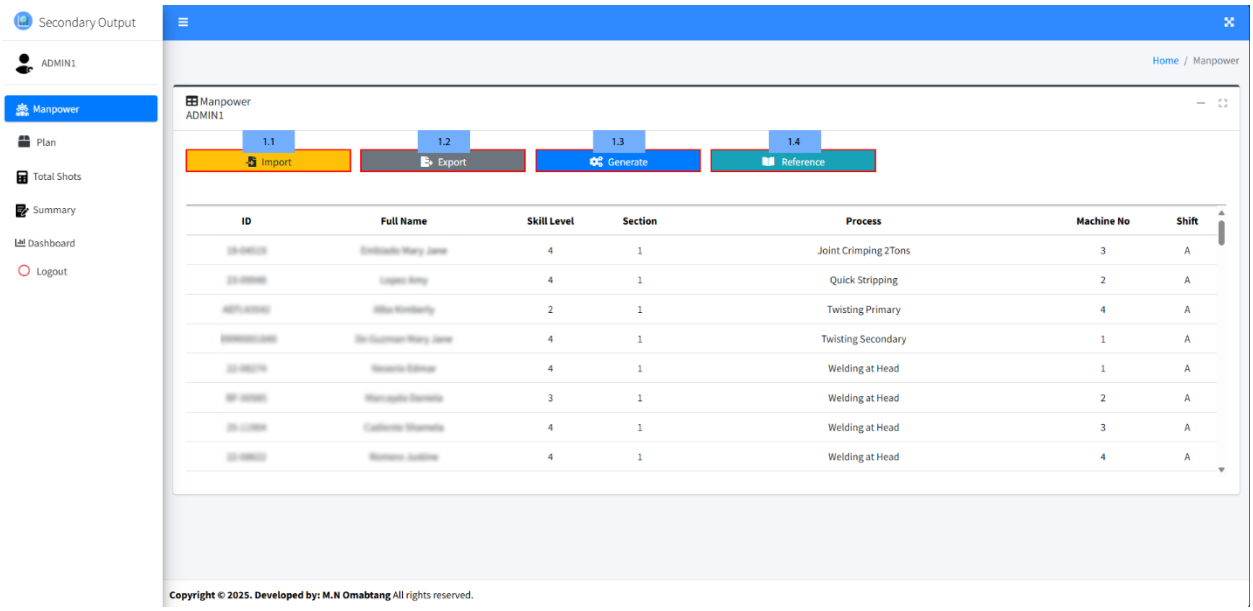


This dashboard automatically calculates the JPH and running output for each process. By analyzing these values—which are updated hourly based on user input—it becomes easier to identify whether a particular process is understaffed or producing an unusually high shot count. This real-time visibility allows the ME to make timely and informed adjustments to manpower allocation or investigate potential issues in the workflow as the system runs.

It also simplifies data input and calculations, reducing manual workload and helping prevent downtime.

ADMIN INTERFACE

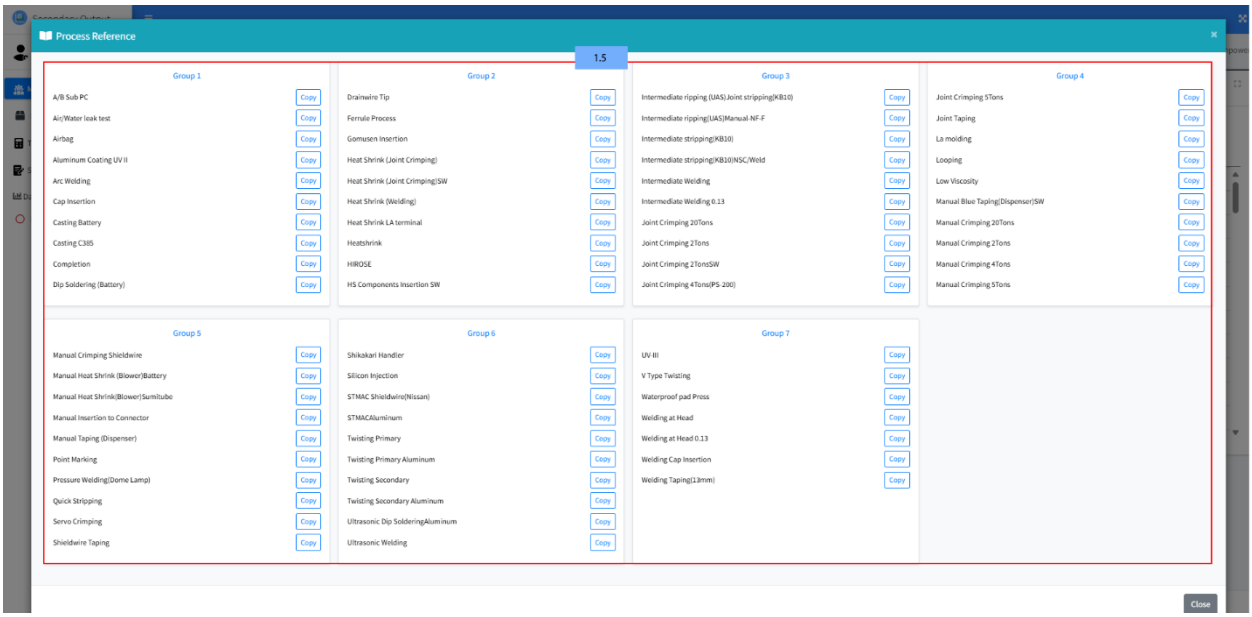
- **Manpower**



1.2 Export the file by clicking this button. This will export the current manpower data into a CSV file.
Below is an example of what the CSV file will look like:

ID	Full Name	Skill Level	Section	Process	Machine No	Shift
[illegible]	[illegible]	4	1	Joint Crimping 2Tons	3	A
[illegible]	[illegible]	4	1	Quick Stripping	2	A
[illegible]	[illegible]	2	1	Twisting Primary	4	A
[illegible]	[illegible]	4	1	Twisting Secondary	1	A
[illegible]	[illegible]	4	1	Welding at Head	1	A
[illegible]	[illegible]	3	1	Welding at Head	2	A
[illegible]	[illegible]	4	1	Welding at Head	3	A
[illegible]	[illegible]	4	1	Welding at Head	4	A
[illegible]	[illegible]	4	1	Intermediate ripping (UAS)Joint stripping(KB10)	3	A
[illegible]	[illegible]	4	1	Quick Stripping	3	A
[illegible]	[illegible]	4	1	Point Marking	1	A
[illegible]	[illegible]	4	1	Quick Stripping	1	A

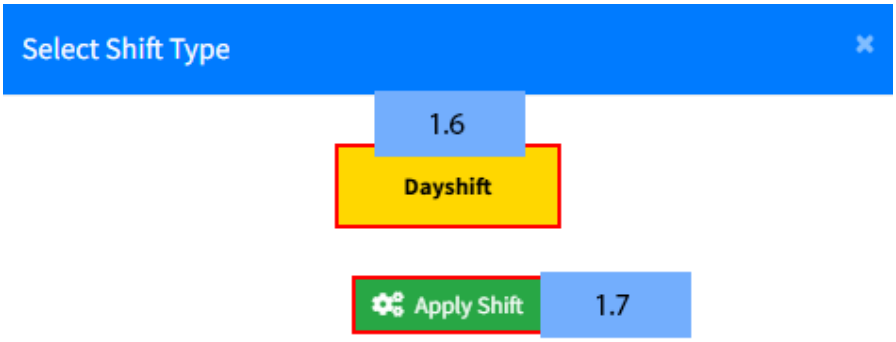
You can modify or add a process in this section. However, if you add a new process, make sure to also include the following details: **ID, Full Name, Skill Level, Section, Machine No., and Shift**.



1.4 Use this to view the reference modal, which you can copy into your sheet for your process.
Important: Always use the reference from the **1.4 (Reference)**. If the process name you enter does not match the system reference, the import will fail.

1.1 After updating the CSV file, you can now import it using this **Import** button.

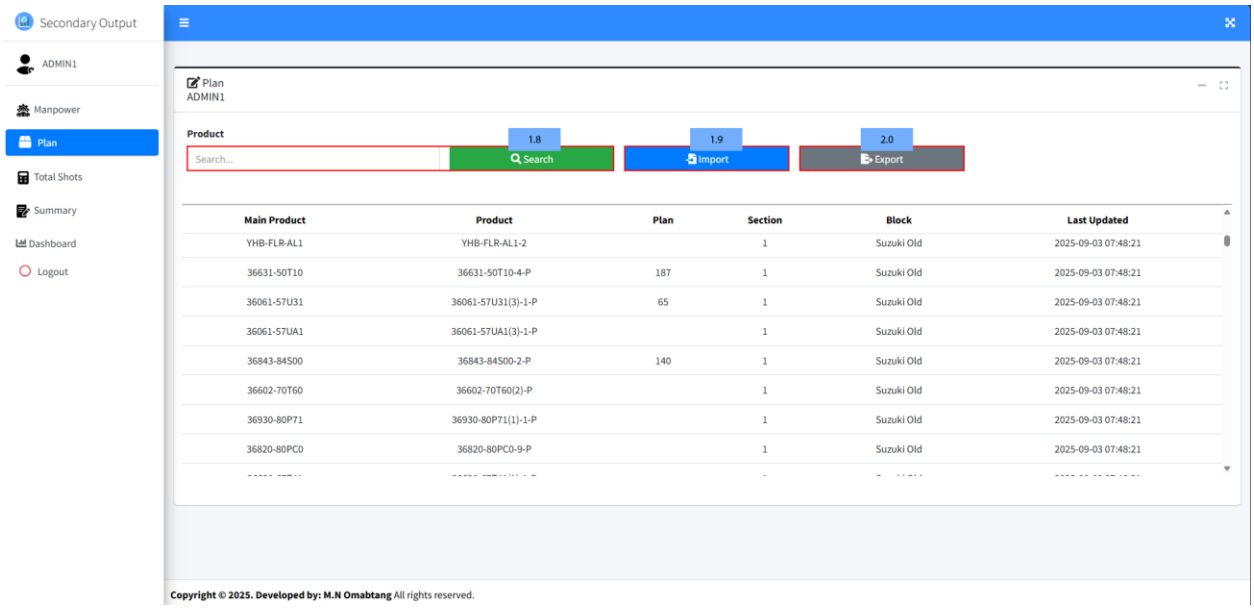
1.3 After the import, click the **Generate** button to update the user's form.
This will display the modal.



1.6 Clicking this will toggle your group between **Night Shift** and **Day Shift**.

1.7 After selecting the shift, click this button to generate the form.

- **Plan**



1.8 Use this to search for a specific plan. Enter the product name into the text box and click the Search button.

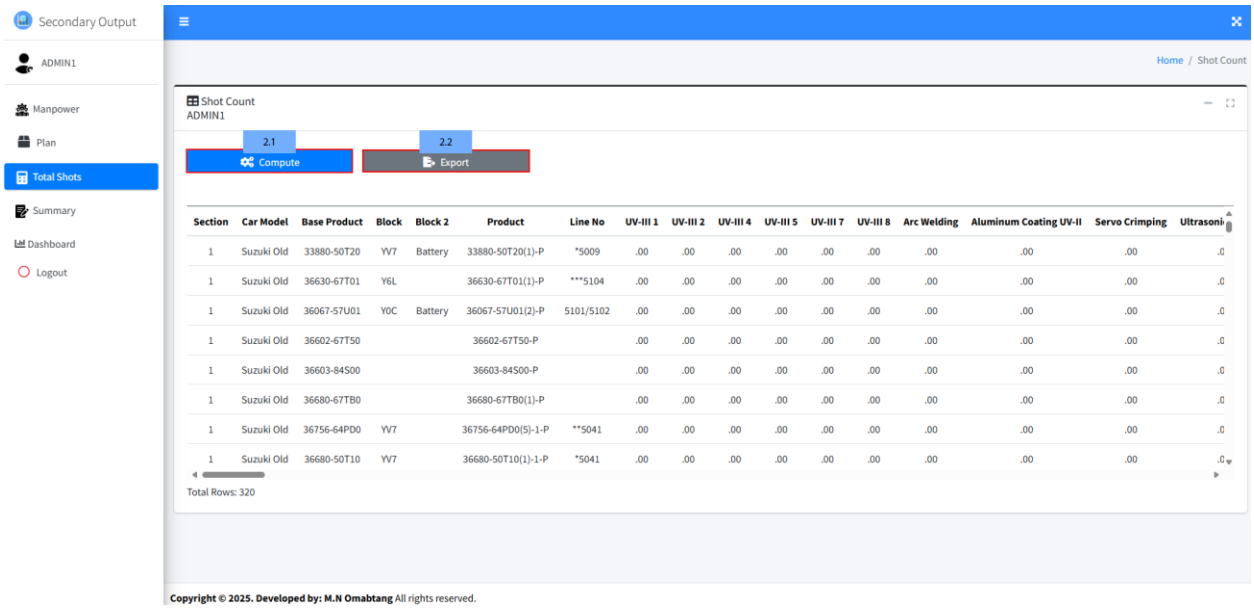
2.0 If you need to change the plan, click the **Export** button. This will export the data into a CSV file.
Below is an example of the plan CSV:

Main Product	Product	Plan	Block
YHB-FLR-AL0	YHB-FLR-AL0-2		Suzuki Old
YHB-FLR-AL1	YHB-FLR-AL1-2		Suzuki Old
36631-50T10	36631-50T10-4-P	187	Suzuki Old
36061-57U31	36061-57U31(3)-1-P	65	Suzuki Old
36061-57UA1	36061-57UA1(3)-1-P		Suzuki Old
36843-84S00	36843-84S00-2-P	140	Suzuki Old
36602-70T60	36602-70T60(2)-P		Suzuki Old
36930-80P71	36930-80P71(1)-1-P		Suzuki Old
36820-80PC0	36820-80PC0-9-P		Suzuki Old
36630-67T41	36630-67T41(1)-1-P		Suzuki Old
36602-80PH0	36602-80PH0-10-P		Suzuki Old
36630-67TF1	36630-67TF1(1)-1-P		Suzuki Old

Just add your Main Product, Product, Plan, and Block,
or you can simply edit the plan of the existing product.

1.9 After updating the plan, save the CSV file and click the **Import** button to upload your CSV.

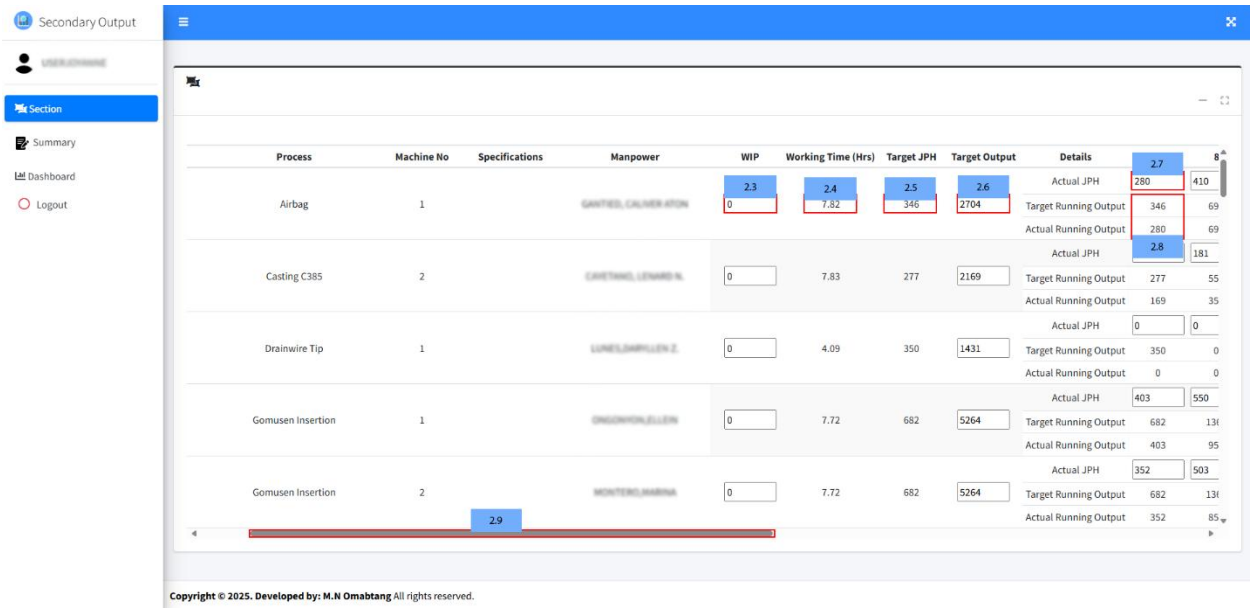
- **Total Shot**



2.1 The Compute button will automatically calculate the total shots. Just click the button and wait for the loading to finish.
Important: Always click this after entering the plan to ensure the updated total shots are reflected in the summary.

2.2 This will export the total shots into a CSV file.

User Interface



2.3 This is where you enter the quantity of WIP

2.4 The **Working Time** will be automatically computed based on your **Target JPH**, **Target Output**, and **WIP**.

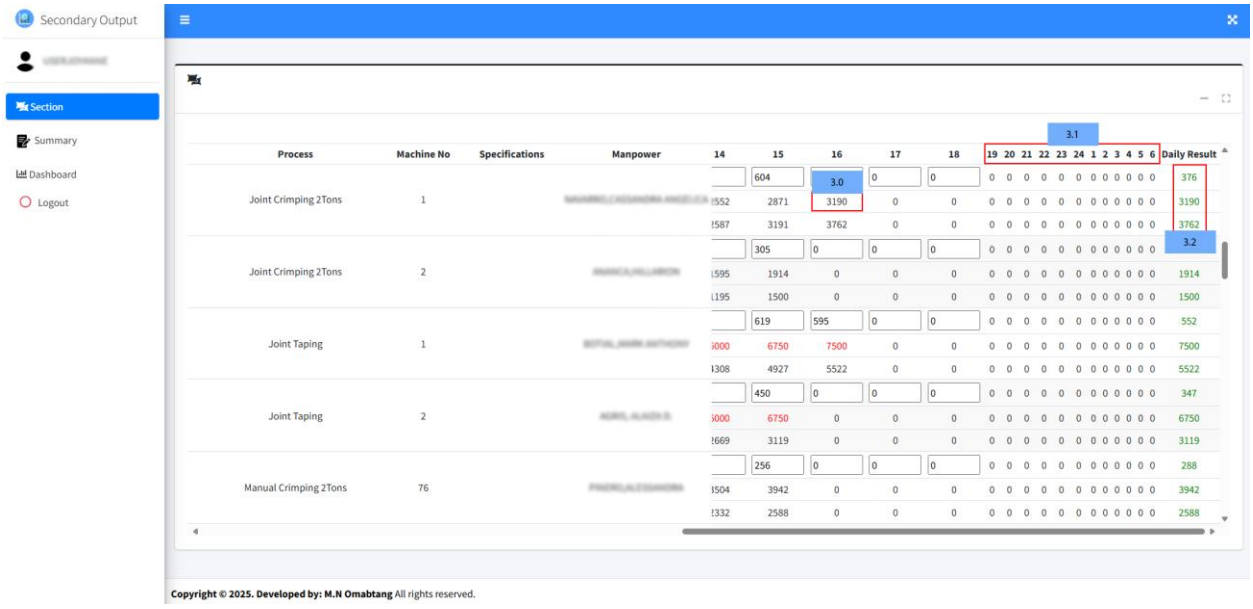
2.5 This is automatically assigned from the ME

2.6 This is where you enter the **target output** for your shift.

2.7 This is where you enter the **Actual JPH**.
Important: Remember to save after entering each data input by pressing the **Enter** key.

2.8 The **Running Output** and **Actual Running Output** are automatically computed every time you enter a value in **Actual JPH**.

2.9 Use this scroll bar to move the form vertically. This will allow you to view the other side of the form.



3.0 The **Target Running Output** will turn **red** if it reaches or exceeds the Target Output entered.

3.2 This is the **time indicator**:

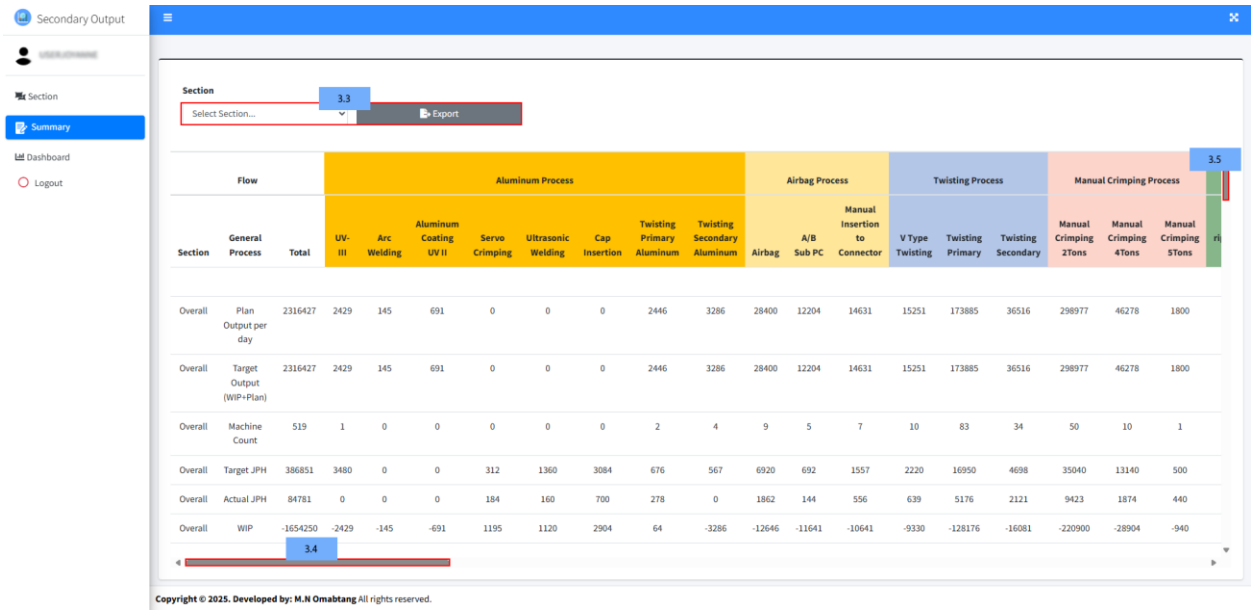
- **7–18** means **7:00 AM to 6:00 PM** → you are on **Day Shift**
- **19–6** means **7:00 PM to 6:00 AM** → you are on **Night Shift**

The shift is assigned based on the selection in **1.6** on the admin panel.

3.2 The **Daily Result** is automatically computed from:

- **Actual JPH**
- **Target Running Output**
- **Actual Running Output**

Summary



Here you can view the summary of all the computed and entered data.

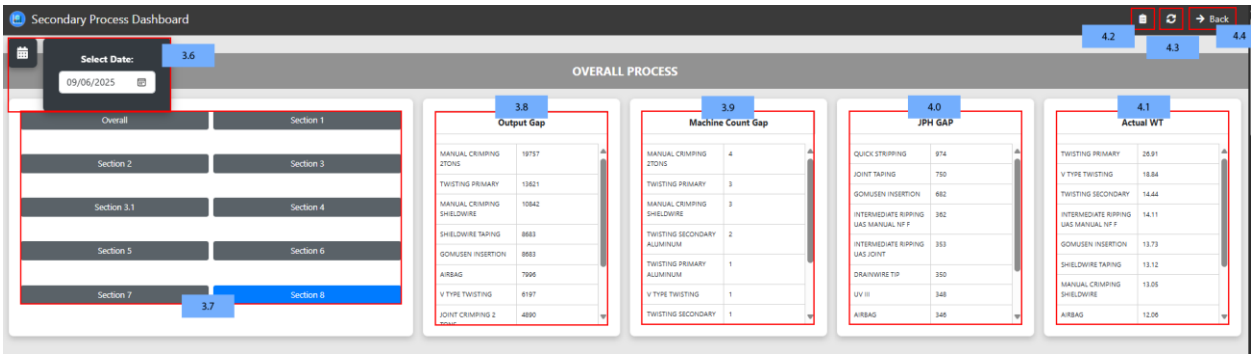
3.3 Select the section you want to export from the **dropdown**, then click the **Export** button to save it as a CSV file.

3.4 Use this **horizontal scroll bar** to view other processes.

3.5 Use this **vertical scroll bar** to navigate to other sections.

Dashboard Interface

- **Overall Process**



3.6 Use this **date selector** to adjust the date for the dashboard display. The default date is **today**.

3.7 These buttons allow you to select which section you want to display in the table.

3.8 This table displays the top 10 processes with the largest gaps between the target output and the actual output.

3.9 This table displays the top 10 processes with the highest machine count gap, based on the computed machine count compared to the actual machines running.

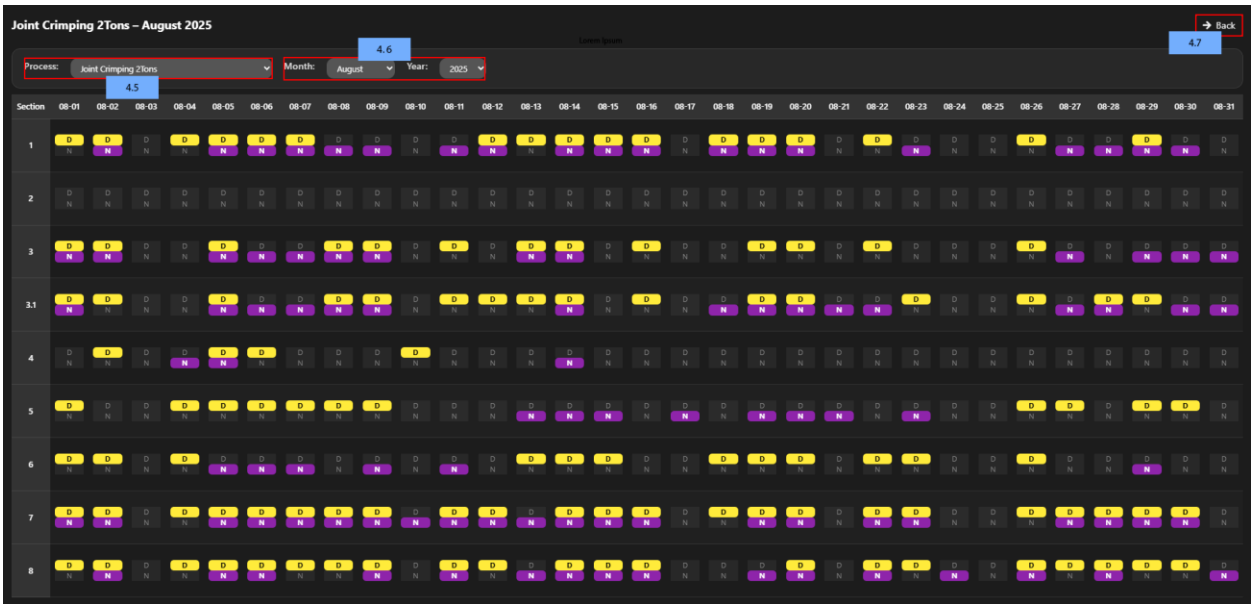
4.0 This shows the highest JPH gap based on the Target JPH and Actual JPH.

4.1 This shows the top 10 actual working times for that section.

4.3 This is where you can refresh the page.

4.4 This will take you back to your previous page

4.2 This will direct you to this dashboard.



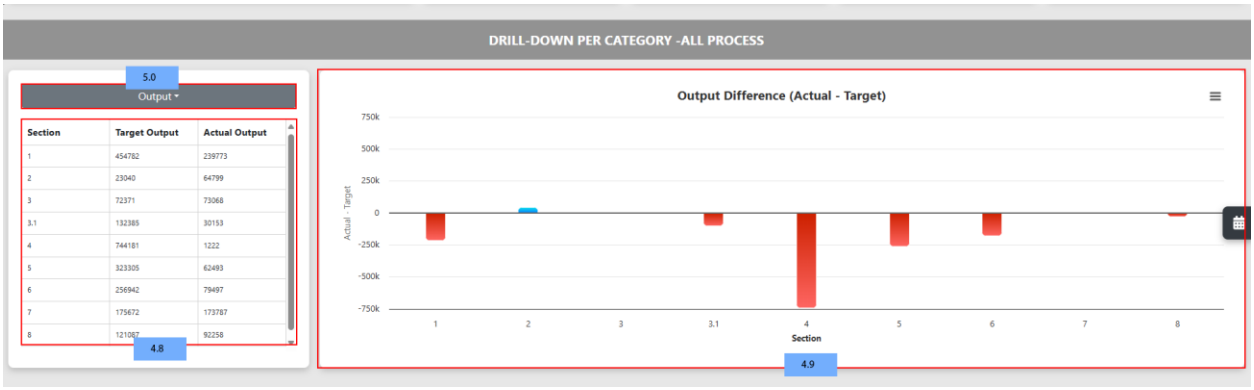
This dashboard allows you to view and display sections with output for the selected date. Each section has two shifts: **Day Shift** and **Night Shift**. If an icon has no color, it means there is no output for that shift on that day.

4.5 You can change the process displayed on this dashboard.

4.6 You can select the date here.

4.7 Back to the dashboard.

- **Drill Down per Category**



4.8 This is a simple visual table that displays the Target and Actual values per section for all processes.

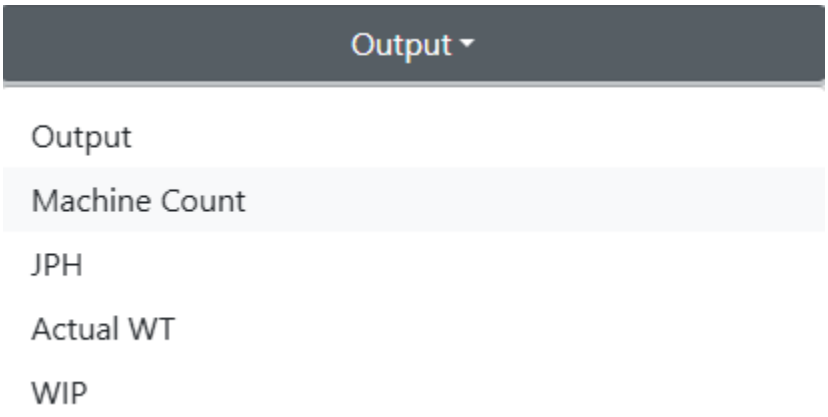
4.9 Here is the graphical representation of their gap:

- If the color is red, it means they have not reached their target.
- If the color is blue, it means they have exceeded their target.
-

5.0 By clicking this button, you can select what you want to display in the table:

- Output
- Machine Count
- JPH
- Actual Working Time
- WIP

The data will be displayed per section with all processes.



- **Drill Down Per Process**

5.1 Use this dropdown to select the process you want to display.

5.2 This section displays a summary of the selected process, combining data from all sections. It consists of the overall output, overall JPH, overall working time, and overall WIP

5.3 This section highlights the section with the highest number of unmet metrics for the selected process, including **Output**, **Machine Count**, and **JPH**.

5.4 It is the output graph per section of the selected process.

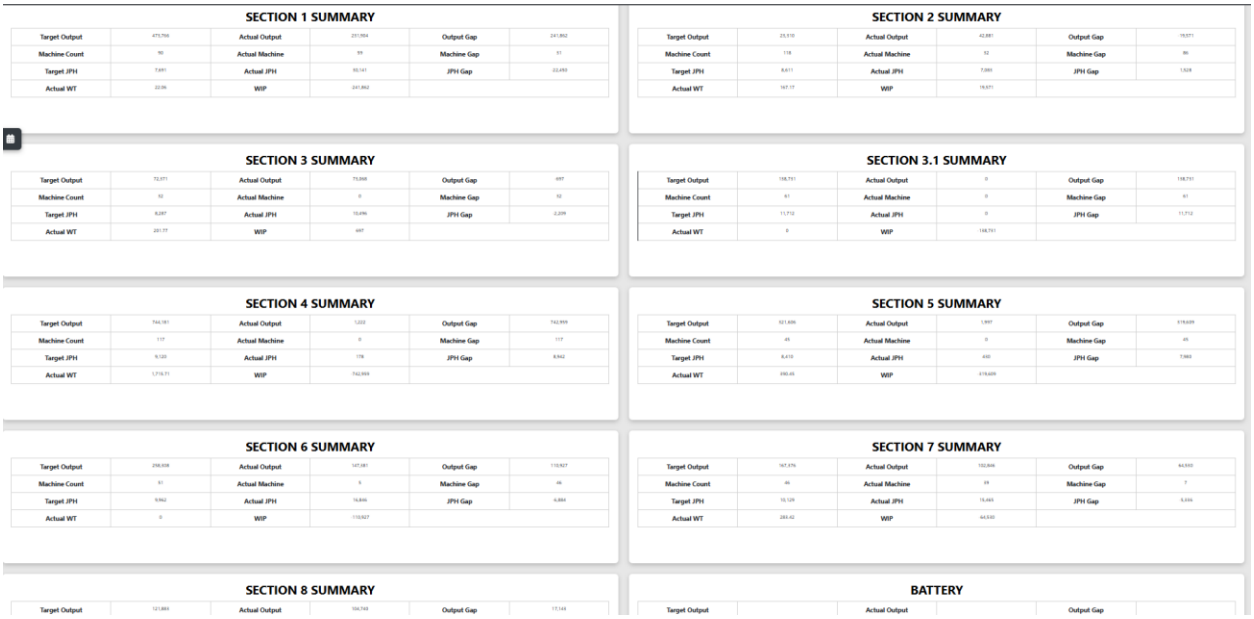
5.5 It is the machine graph per section, showing machine count versus actual machine count.

5.6 This shows the JPH difference of the selected process.

5.7 This graph shows the actual WT of the selected process per section.

5.8 This shows the entered WIP of the selected process, still per section.

- **Summary Per Section**



This is the summary per section of all processes, containing:

- Target Output, Actual Output, and their Gap
- Machine Count, Actual Machine Count, and their Gap
- Target JPH, Actual JPH, and their Gap
- Actual Working Time and WIP

- **Actual JPH and Output**

5.9 Here is where you can filter what you want to display in the chart. The available filters include:

- Section
- Process
- Machine No
- Shift

Filter behavior:

- Selecting nothing will include all data.
- Selecting only a Section (but no Process) will include all processes within the selected section.
- Selecting both Section and Process (but no Machine No) will include all machines of that process within the selected section.
- Not selecting a Shift will include both Day and Night shifts.
-

6.0 Clicking the **Generate** button will apply the selected filters and display the filtered data on the chart.

6.1 This chart shows the JPH of the filtered data, already averaged. It displays data for the last 7 days (1 week) by default, but you can adjust it using the date selection.

6.2 This chart shows the Actual Output of the filtered data, similar to the JPH chart. It displays data for the last 7 days by default.