

Did you Know?

Gross Impressions vs. Net Impressions

Explanation

Gross Impressions and Net Impressions are two main KPI's that are mentioned very often and are important to understand.

A press produces a specific number of sheets per month. The total number of sheets which is also counted on the totalizer of the press is called **Gross Impressions**. Therefore, the Gross Impressions include all the good sheets but also all the waste sheets produced.

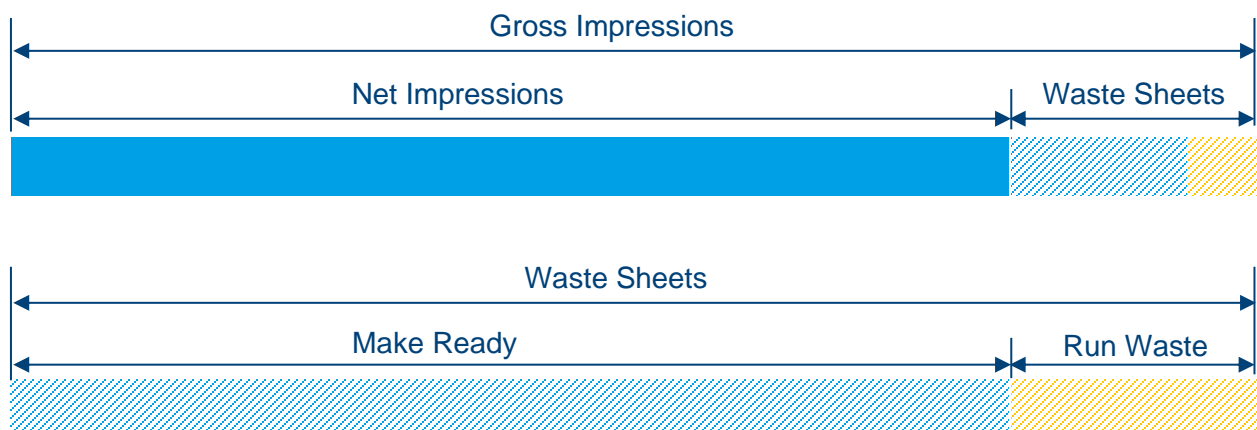
Waste sheets could be

- **Make-ready waste:** sheets which are produced during the make-ready process
- **Run waste:** sheets which are produced through the production

In addition, the Gross Impressions include all the good sheets which are produced during production. Those sheets are called **Net Impressions**.

Both numbers are very important as the relation of them provides you information about the quality of the printing process and are used to calculate the Quality Index which also effects the OEE of your press.

In case the Net Impressions are much lower than the Gross Impressions the quality of the production will be low, as there were a lot amount of waste sheets produced. On the other hand, the lower the difference between these two numbers, the higher the quality and the better the output.





Influencing Parameter

The difference between the Gross and Net Impressions are the waste sheets. Waste sheets consist of make-ready waste and run waste. Both should be reduced to an absolute minimum as this saves you money and time.

Make-ready waste can only be reduced by improving the make-ready process in general. A lot of different parameters like pre-inking, ink profiles, dampening, register and many more can be the reason for a high amount of make-ready waste.

Run waste usually increases if there are interruptions during the print process. This could be paper run issues, but also ink fluctuations or high washing intervals. All this leads to additional waste sheets which are produced after the make-ready process.