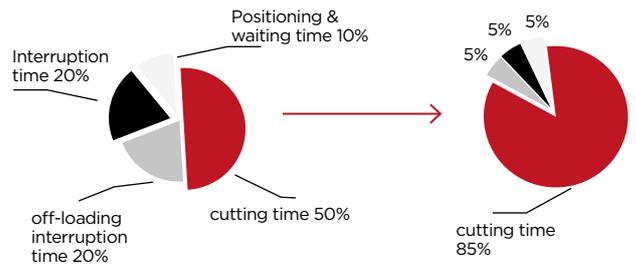




01

AVAILABILITY

This KPI takes into account **the time for which the equipment was available for production after subtracting unplanned and planned stops**. Many manufacturers are alarmed to find out how low actual cutting time is once they eliminate the positioning and waiting time, offloading time and interruption times.



How to ensure your mass-production fabric cutting room performs the way you need

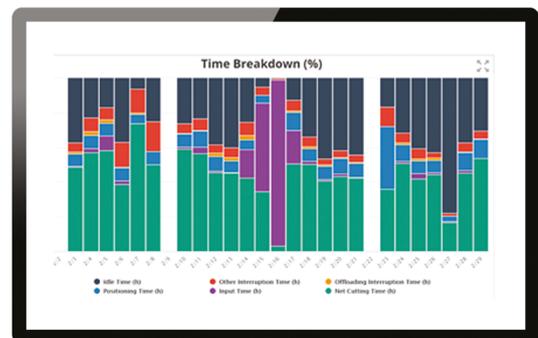
Imagine driving a car where the dashboard reports yesterday's speed and distance covered. Using spreadsheets or PDFs to monitor production performance is a bit like that. You may know the previous day's output and OEE numbers but that is of little help in maximizing today's performance.

For a clear view on critical KPIs—such as cutting time, idle time, number of interruptions, etc.—and the ability to eliminate inefficiencies, you need a connected manufacturing dashboard that displays real-time, actionable information. Using your dashboard to measure OEE will help you squeeze every drop of performance from your cutting room.

Track downtime:

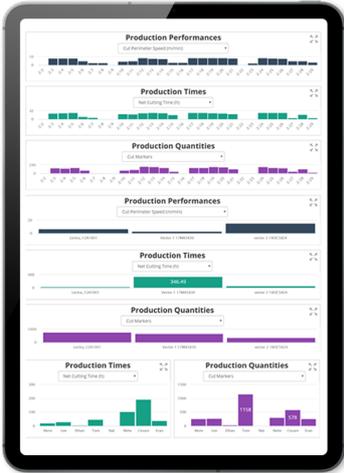
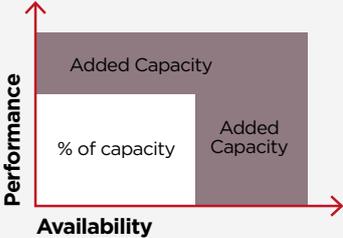
Collecting cutting interruption history/equipment failure history enables maintenance teams to *forecast and implement actions to prevent continual equipment failure*.

A SHIFT TO A BIG DATA/ADVANCED ANALYTICS APPROACH TO MANUFACTURING CAN LEAD TO A 25% INCREASE IN PRODUCTIVITY AND A 45% REDUCTION IN DOWNTIME.



02 PERFORMANCE

Performance takes into account **anything that causes the manufacturing process to run at anything less than the optimum expected rate**, primarily slow cycles and small stops that last only a few minutes. Small stops and slow cycles can be difficult to track — especially if you're using paper-based processes. Since cycles run so quickly, there is not enough time for manual logging of data.



03 QUALITY



Uncover patterns of performance issues:

Monitoring when minor stops occur can help you determine whether they occur more frequently at a particular time. For instance, stops may increase after routine servicing or after the equipment has been in use for some time. Uncovering relevant patterns can help to find the root cause of the problem.

Quality measures the **number of cut pieces that meet quality standards versus the number of pieces that require reworking**. Reach your best performance levels, it is a tradeoff between the number of plies and the maximum speed of the machine, without degrading the quality of cut parts.

REAL-TIME DASHBOARD USERS BENEFIT FROM LEVELS OF REAL-TIME VISIBILITY TWICE AS HIGH AS NON-DASHBOARD USERS.

- Aberdeen Research

Measure recut and rejection rate:

Information about the reasons why recuts may be required - cutting quality, assembly sewing issues, fabric quality issues - can be fed into the system and readily displayed on the dashboard to inform decision making



Manually calculating and monitoring OEE metrics can get complicated. **A manufacturing dashboard lets you understand your operations at a glance in an easy-to-understand visual format.** With centralized production analysis data at your fingertips, you can quickly identify areas for improvement and make informed decisions that will help you meet your mass-production fabric cutting goals.