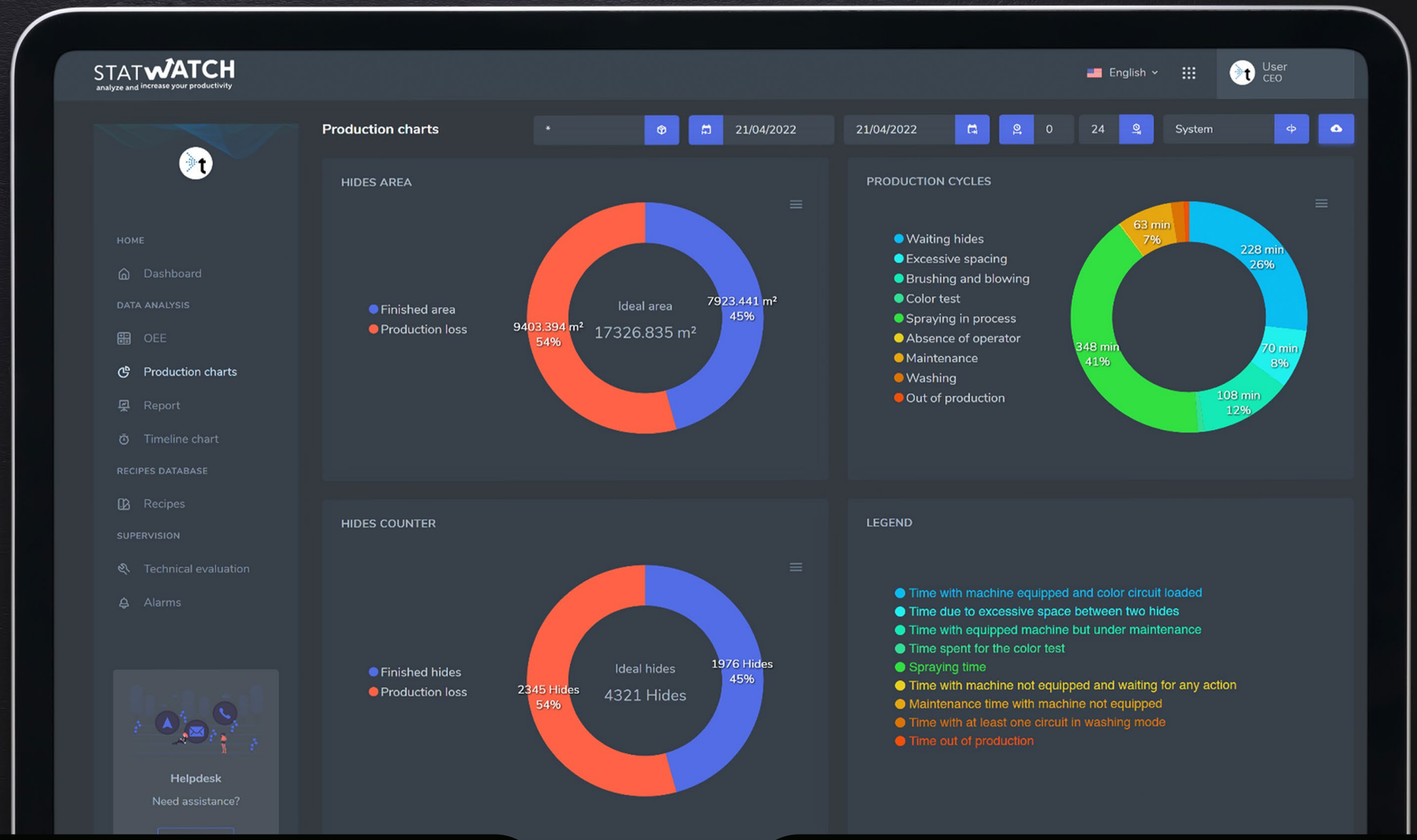
# STATWATCH

analyze and increase your productivity

todesco
SPRAYING INNOVATION




STATWATCH
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it's a **software** developed by Todesco, **to monitor** in **real-time** the **production performance** of the spray finishing lines **Innover** and **Kingfisher** as well.

An essential tool for improving the production performance of the machine by checking the processing phases and provide their maintenance in advance.

Traditional systems are born as retrofit applications that need the input of the operators to define the machine states, for example, tooling, production phase, and machine downtime.
Often such monitoring systems are applied on machines that are assembled with components supplied by different manufacturers and therefore are not governed by logic with a common language.
In this case, it is not a question of data analysis, but more of an indirect reading of operation states.
Statwatch is not only independent of the operators, but it provides the resulting quality of production, identified in the OEE (Overall Equipment Effectiveness) index, and the environmental impact of the batch produced in the selected time window.

# Dashboard

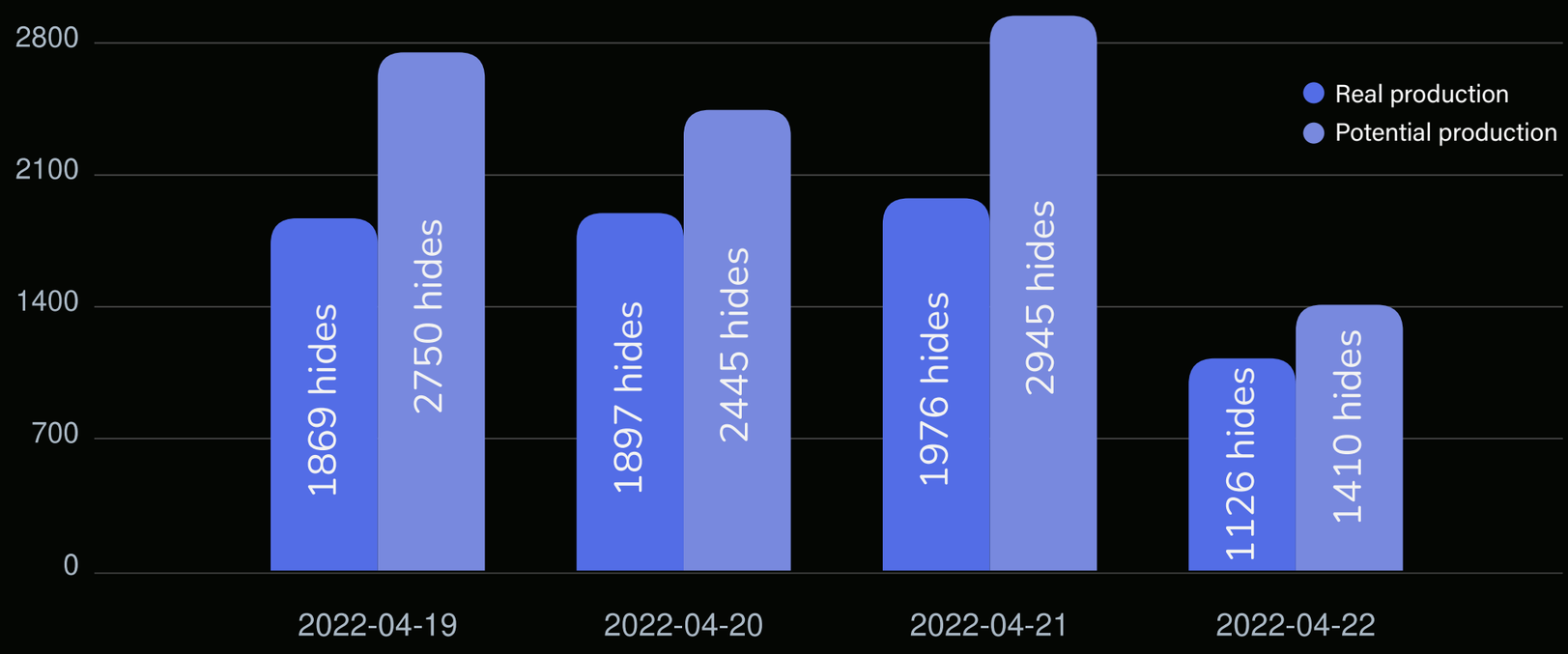
The main dashboard represents on a time scale (days) the number of finished hides and the number of them - that without the production inefficiencies - it would have been possible to finish.

1976 hides
Hides production

4.75 m²
Average hides area

4293 hides
Potential production

46%
Productivity



# Production charts

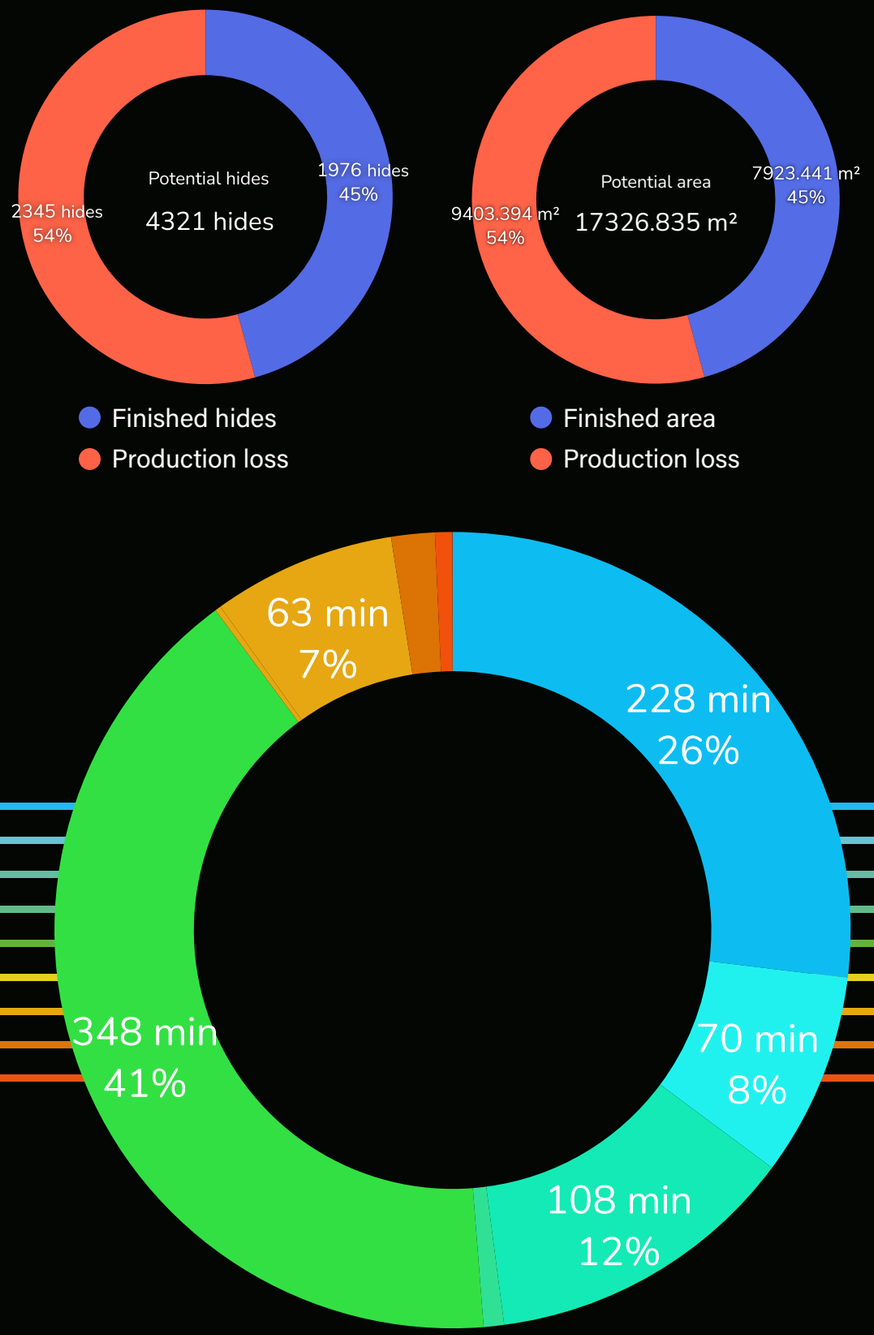
Simple and intuitive “pie charts” summarize all the operational phases of the finishing line, within two main states, seen as “equipped machine” and “non-equipped machine”. In particular, when the machine is equipped, therefore ready to finish, the following are identified:

- Time of absence hides
- Time lost due to excessive spacing of the hides on the conveyor belt
- Brushing and blowing time of the guns
- Activation time of the color test program (if present)
- Spraying time

in the tooling phase:

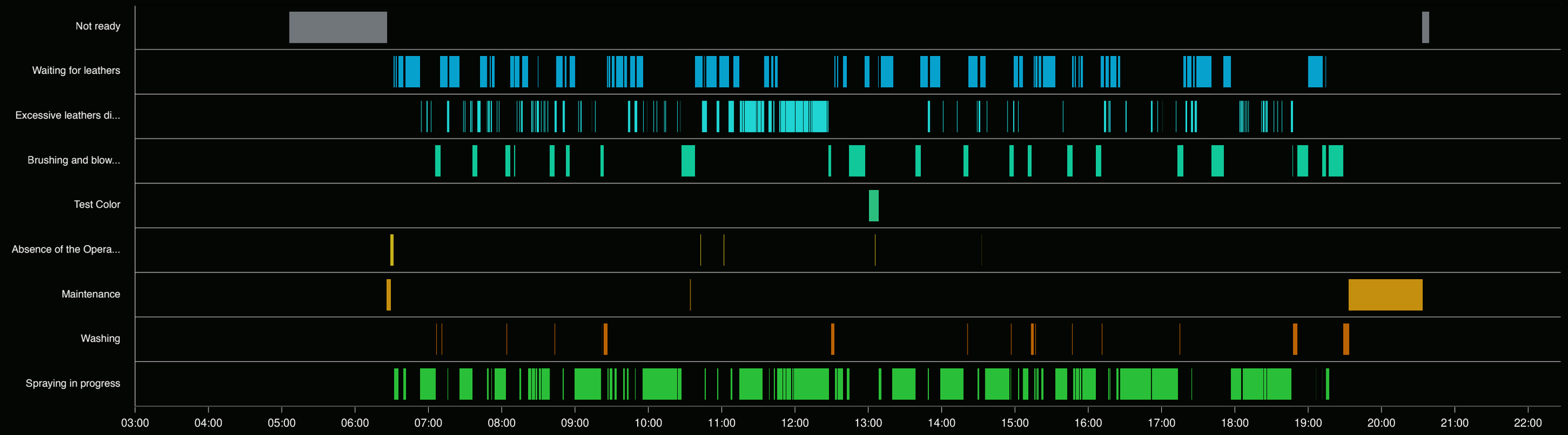
- Time dedicated to maintenance
- Time dedicated to washing the guns
- Machine time dedicated to setup
- Absence of the operator

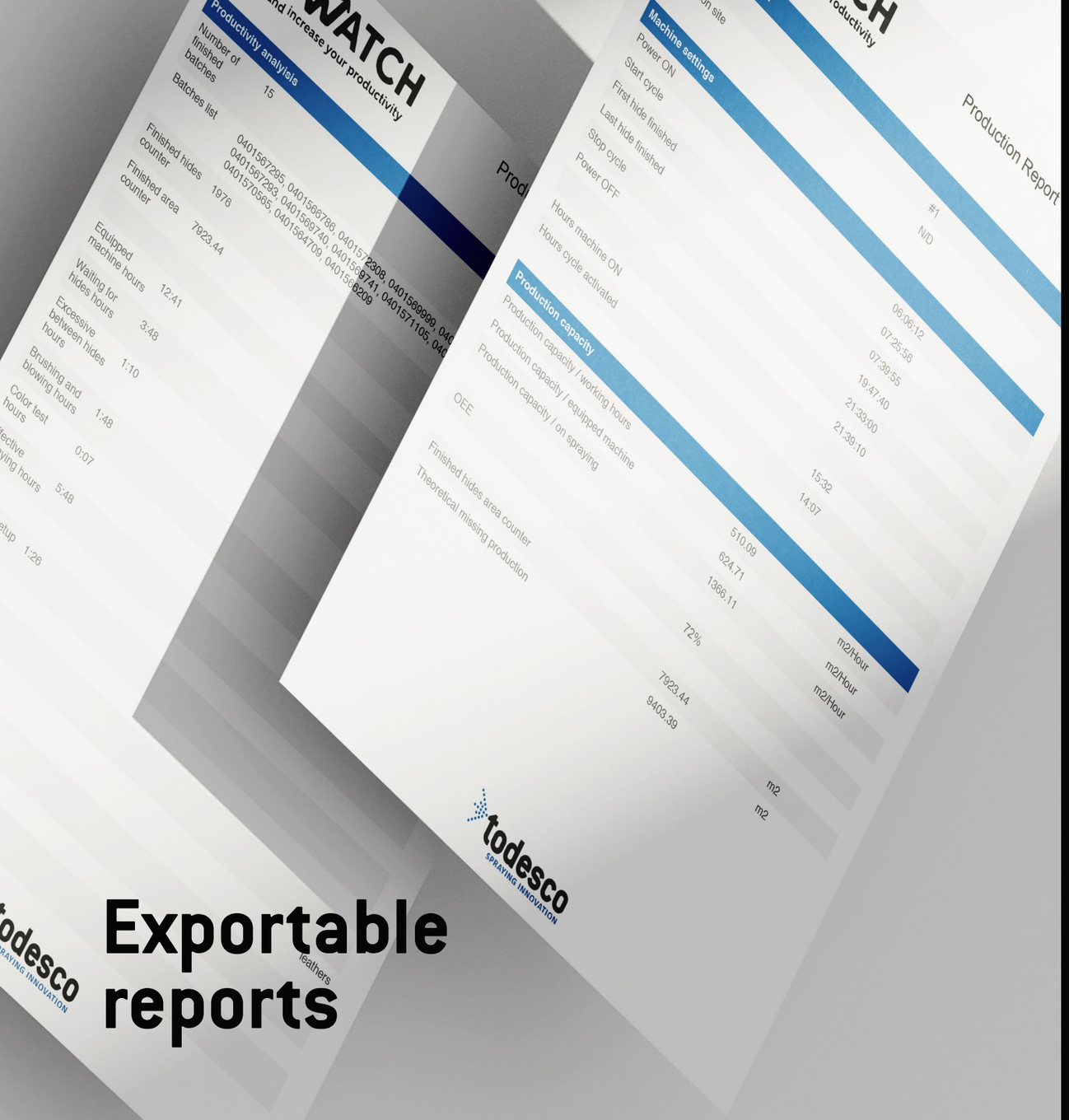
Statwatch is able to interpret the production phases, and through a sophisticated algorithm, to provide the value for the lack of production, which arises from the waste of time that occurs with machines equipped and ready to spray.



# Production Gantt and time analysis

With the graphical presentation in a daily Gantt, the user can quickly check when, and where production downtime has occurred. Through a time-chart, it is also immediate to understand when the production inefficiencies occurred during the day.






# Exportable reports

Reports can be optimized for Production Management or can be more detailed to Production Analysts.
During the observation period (whether this is the day or the working week), all the production analyses can be exported as a .pdf or .xls file.

# Security and license of use

The communication of the machines monitored by Statwatch takes place through a closed and secure connection. Remote access is implemented by reaching a unique IP address provided by the customer who will assign an address account to a single SQL server on which the data is recorded.

Access is subject to username and password and all connections are encrypted.

The Customer is always the owner of the data which is not saved on Todesco's proprietary servers.

Todesco proposes, through the implementation of Statwatch, 3 levels of service:

**Annual purchase of the license for the use of Statwatch**
The Customer accesses to the dedicated platform, with full access to the data and integral analyses that the program offers.

**Weekly monitoring with an informative report**
If the customer does not have an internal data analyst, Todesco offers a monitoring service with a weekly report which, thanks to an evaluation report on the use of the machinery, allows the user to identify production criticalities as well as to implement suitable procedures for improving the process.

**Real-time control and predictive maintenance service**
Through an internal control room, the customer is supported by a Todesco data analyst, who monitors the productivity of the machinery in real-time and warns the customer in case of anomalies in the production process. Monitoring allows continuous improvement of production yield and, thanks to the study of the user behavior of the machinery, Todesco is able to offer a predictive maintenance service. Predictive maintenance is not only cost-effective but minimizes the risk of unscheduled downtime.

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