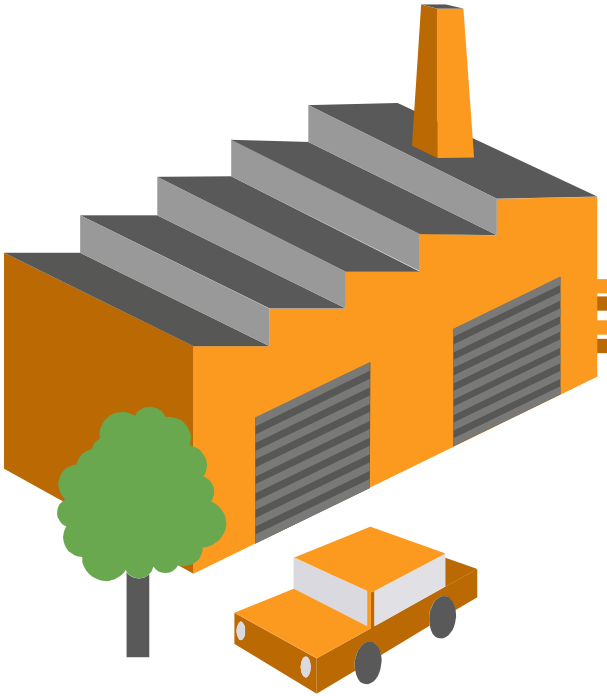
CAADPRO BY CAADEX

PRODUCTION OPTIMIZATION & PLANNING

With the help of this system can optimize of the production and the planning of our factory.

Possibilities of CAADPRO



- One product can be manufactured on multiple machines
- Multiple products can be manufactured on one machine
- Multiple productions steps
- Special tool assignment

Several machines can be present in one factory, plenty of products can be manufactured on them, and a production of one product can contain several steps. Some machines could require some type of special tools as well. However, our solution can handle all dependencies.

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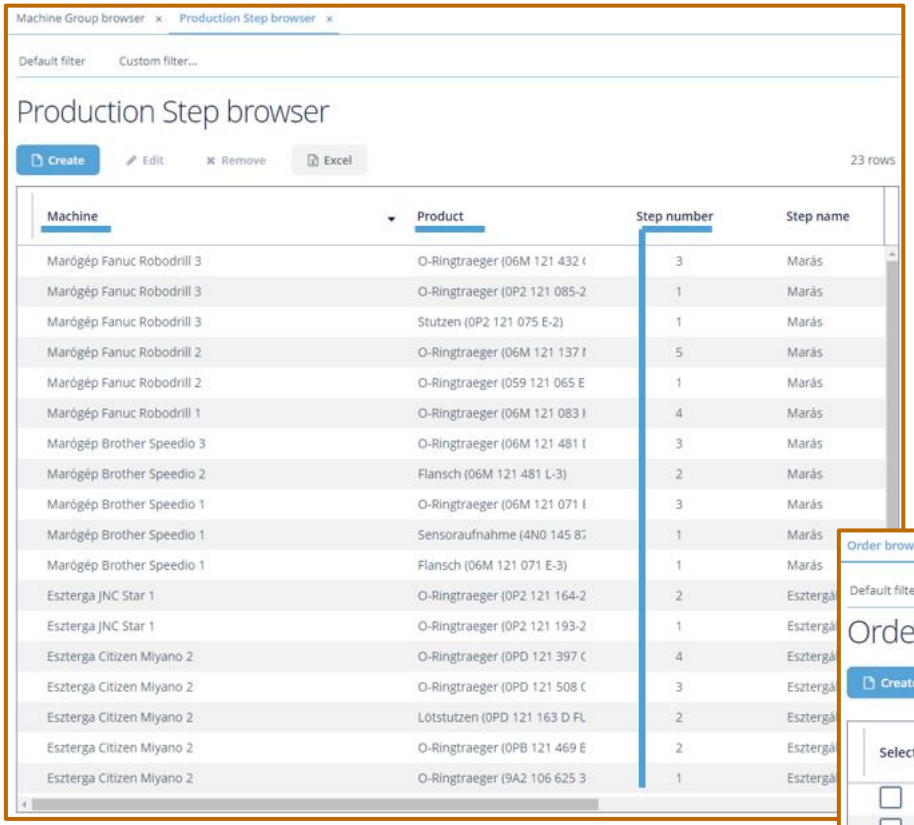
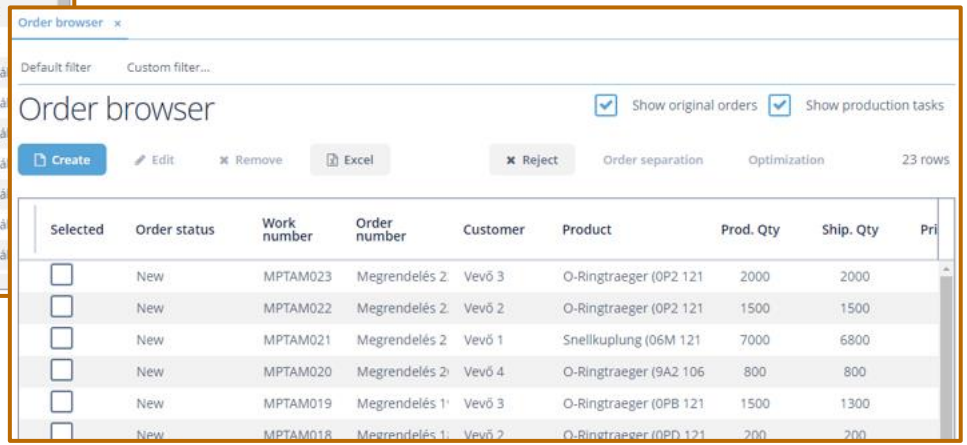
Input data

The software requires input data. We can create machines groups, in machine groups we can create our machines we can name it and add shifts to them and optionally we can add its working cost. Separately from this we can create our Products. After all we gather the information about the orders from an ERP. These information could include the customer names, products, production quality, shipping quality, priority, and all the key dates.





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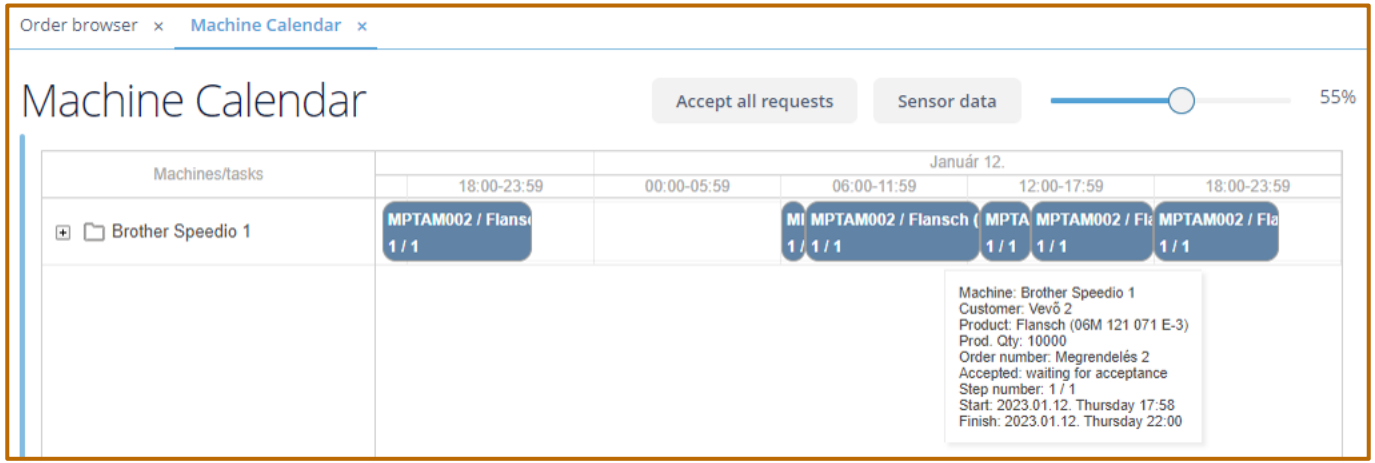
Results of optimization



After all the required data, the optimizer is able to run. After a successful run we see the results in the machine calendar. We have two choices before the running, we can choose to optimize on the fastest way or on the least coast way.

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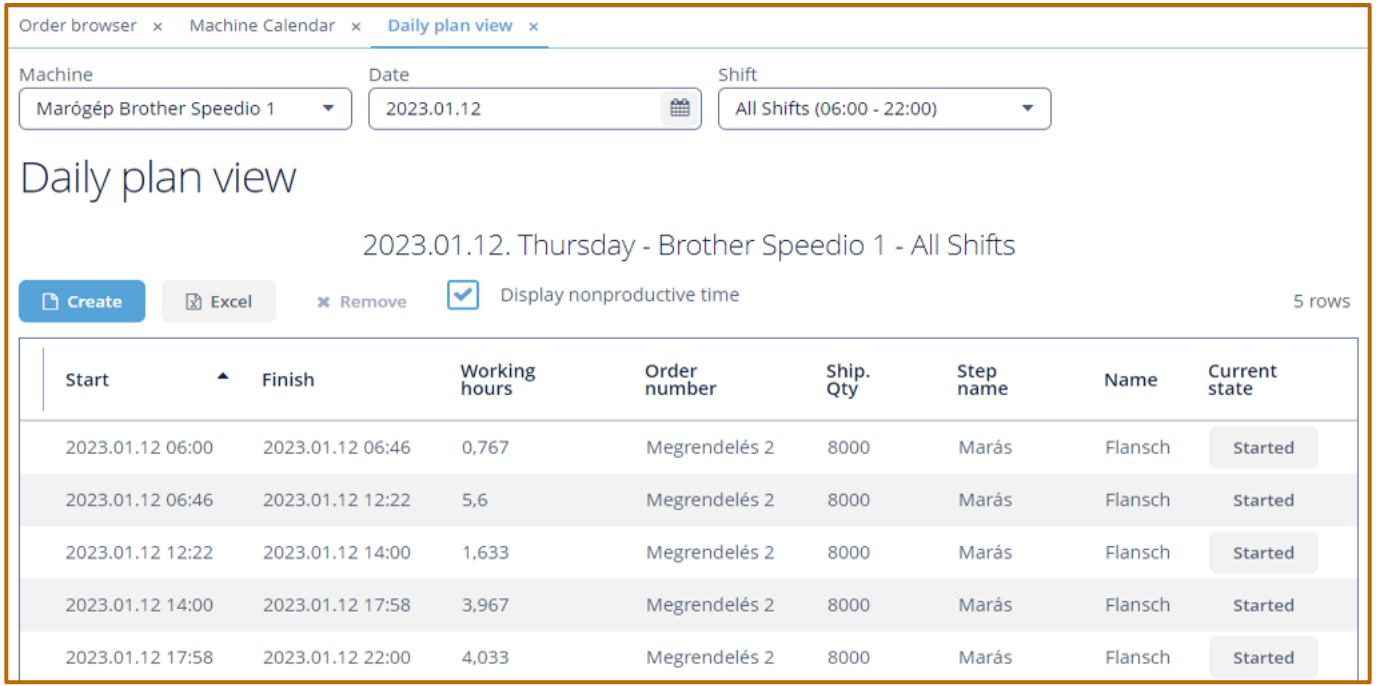
Main output



The main output of the system is a table where we can see, which machine will work, when, on what, for which order, and what is the quantity and the deadlines for it.

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