ReCON

INFORMATION FOR SUCCESS

MATRIX Tool Management



ISCAR

MATRIX

Tooling costs in the context of production

The ReCON MES extension links tool withdrawals from MATRIX to the parts produced on each machine.

Job consumption and tooling costs

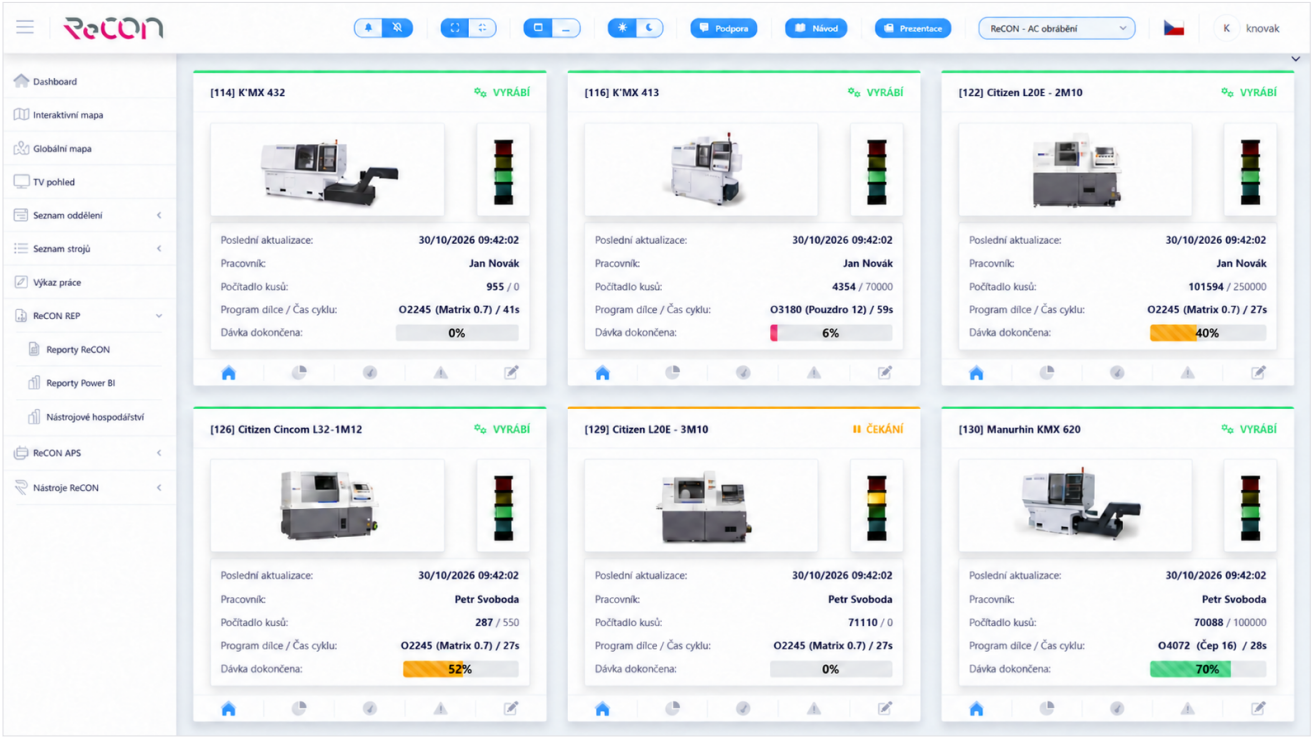
A summary of the tools used and their allocated value for each job.

Cost per produced part

Consumption and cost of a selected insert in its production context.

Comparison across machines

Cycle time and tooling costs for the same job.



The reports are available in **ReCON REP** through the **Tool Management** module.

The data shown are for illustrative purposes.

How the integration works

Tool withdrawal records gain production context.

1 Tool withdrawal in MATRIX

The operator selects the job, machine, tool and quantity withdrawn.

2 Production data from ReCON MES

Production quantities and cycle times are matched to the same job and machine.

3 Select the period and job

The report lists the machines that produced the job during the selected period.

4 Select a specific insert

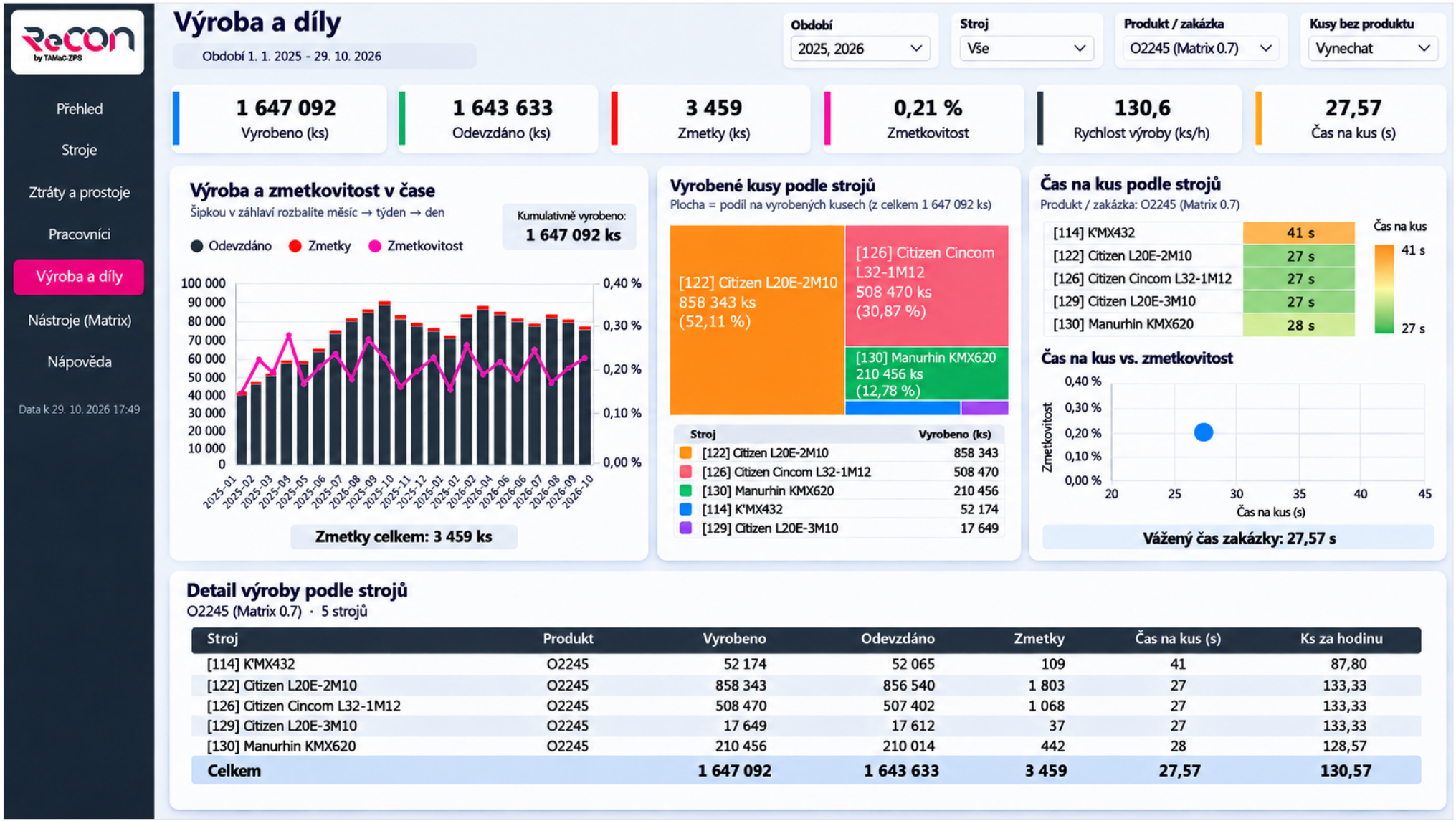
Selecting both the job and insert displays insert consumption per part and the number of parts per insert.

MATRIX data refreshed once every 24 hours

Power BI presents operational data in reports accessible from ReCON MES.

The same job across different machines

Five machines, cycle times and quality for job O2245 (Matrix 0.7).



The data shown are for illustrative purposes.

Selected insert consumption and cost

MATRIX tool withdrawals and selected insert cost per good part delivered.



The data shown are for illustrative purposes.

Total tool consumption and job tooling costs

The job summary complements the comparison of a specific tool.

Total tool consumption

Track the quantities withdrawn for the selected job, broken down by tool item. See which tools contribute to the job's consumption.

Job tooling costs

The total value of tools allocated to a job gives its tooling cost. An item breakdown highlights where to investigate potential savings.

Job tooling costs = total value of the tools allocated to the job

The item breakdown helps engineering and purchasing focus on tools with a significant cost impact.

Example total for one insert in the illustrative job

Parts produced

1,647,092 parts

Inserts withdrawn

10,839 inserts

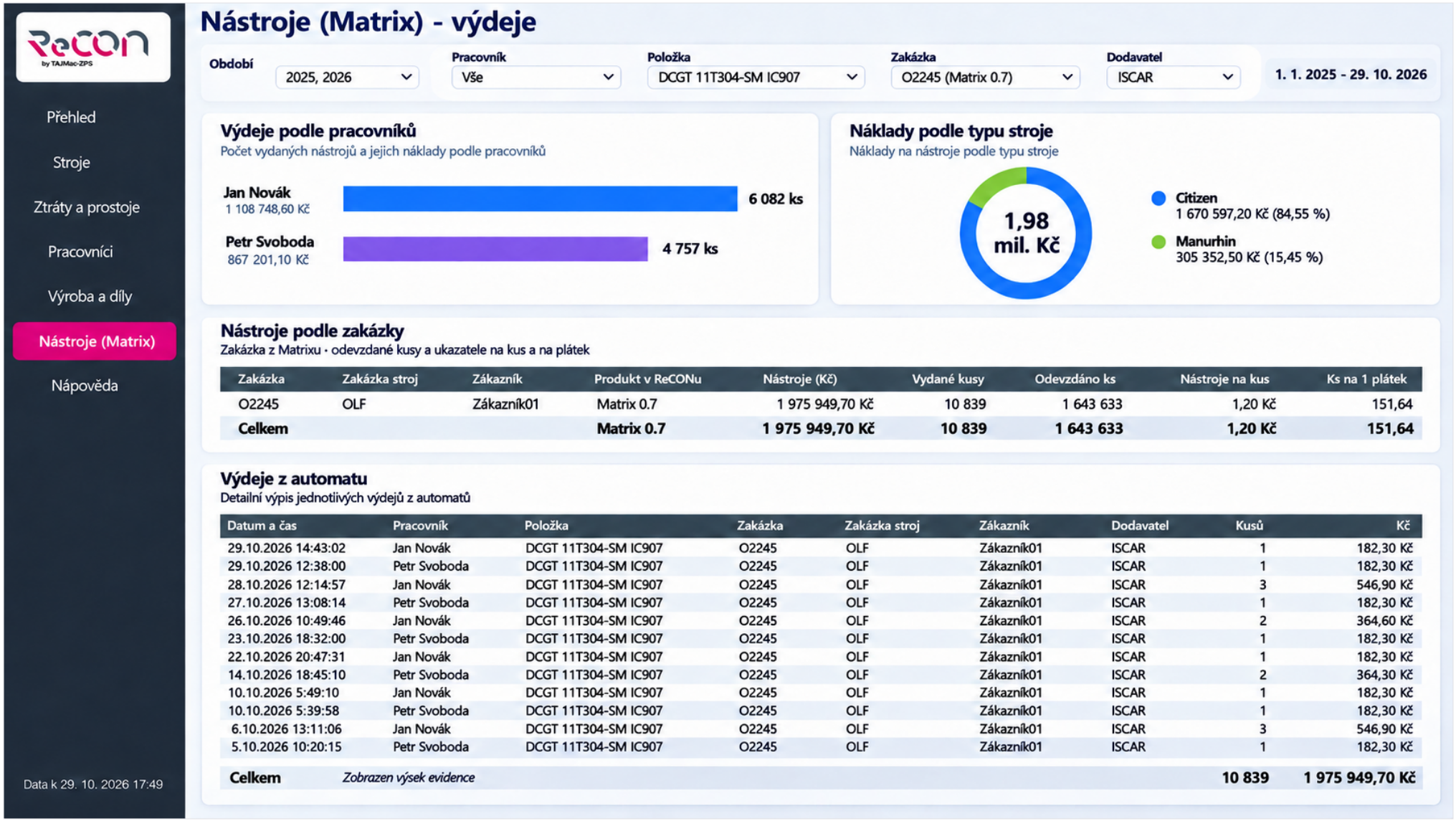
Cost of the selected insert

CZK 1,975,949.70

The data shown are for illustrative purposes.

Operators and individual withdrawals

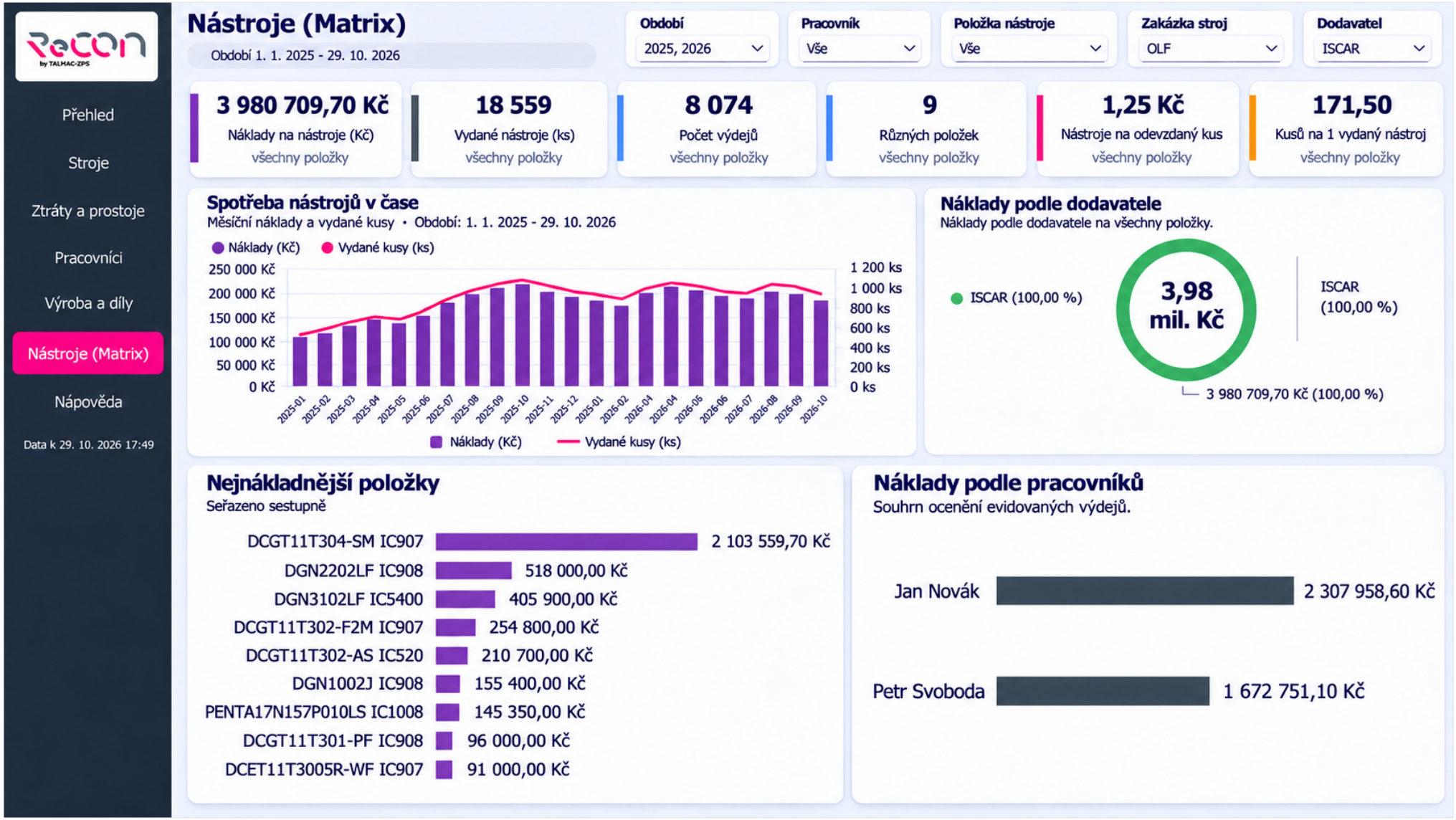
From the job summary to the operator, quantity and value of each tool withdrawal.



The data shown are for illustrative purposes.

Overview of the entire MATRIX database

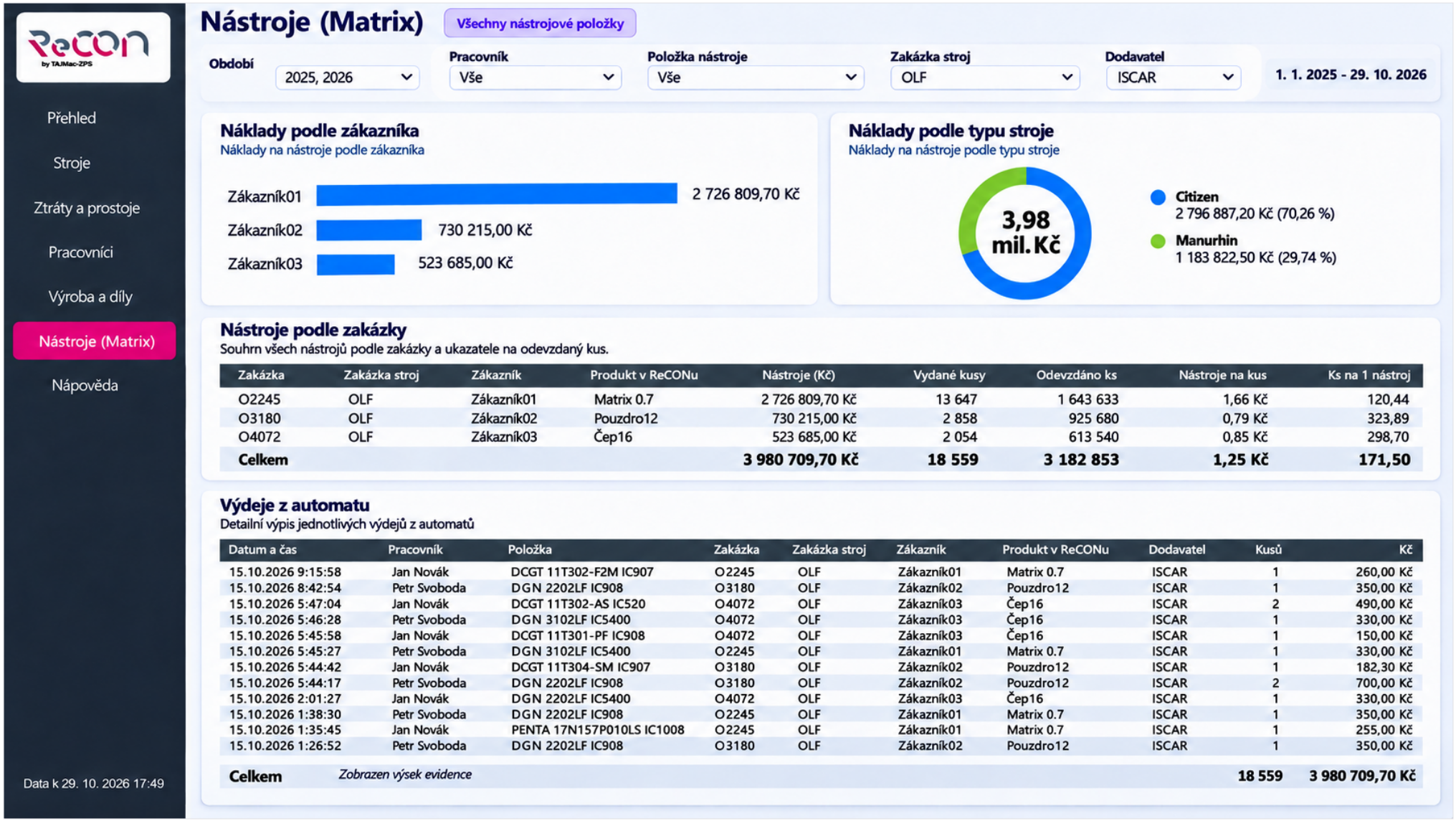
Tool consumption and costs across all tool items.



The data shown are for illustrative purposes.

Records across tools and jobs

All-tool job totals and traceability of individual withdrawals.



The data shown are for illustrative purposes.

Information for production, engineering and purchasing

1 Production manager

Gains an overview of job tooling costs and additional information to support machine allocation decisions.

2 Manufacturing technologist

Compares consumption of a specific tool against production quantity and cycle time.

3 Purchasing and company management

Track individual tool item costs and overall purchasing costs, with access to the underlying records.

Tool Management is an extension of ReCON MES

Open the Power BI reports in ReCON REP. Data from the local MATRIX system is refreshed once every 24 hours.


TAJMAC-ZPS
ZPS