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SATISFIED CUSTOMERS



Compared to the previously used optimization software, we were able to reduce material waste by 15 percent using AutoPanelSizer.



We were impressed that our specific requirements could be met.



We had been working with another cutting software for a long time. It turned out that there was still room for enhancement. AutoPanelSizer has significantly improved the quality of the cutting plans.



ABOUT FRAUNHOFER SCAI

The Fraunhofer Institute for Algorithms and Scientific Computing offers

- worldwide leading optimization software,
- more than 30 years of experience in optimization,
- high competence in the field of optimized cutting plans,
- individual customization, and
- fast response times, as the development work takes place completely within the institute.

CONTACT

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For further information, see:
www.scai.fraunhofer.de/en/autopanelSizer



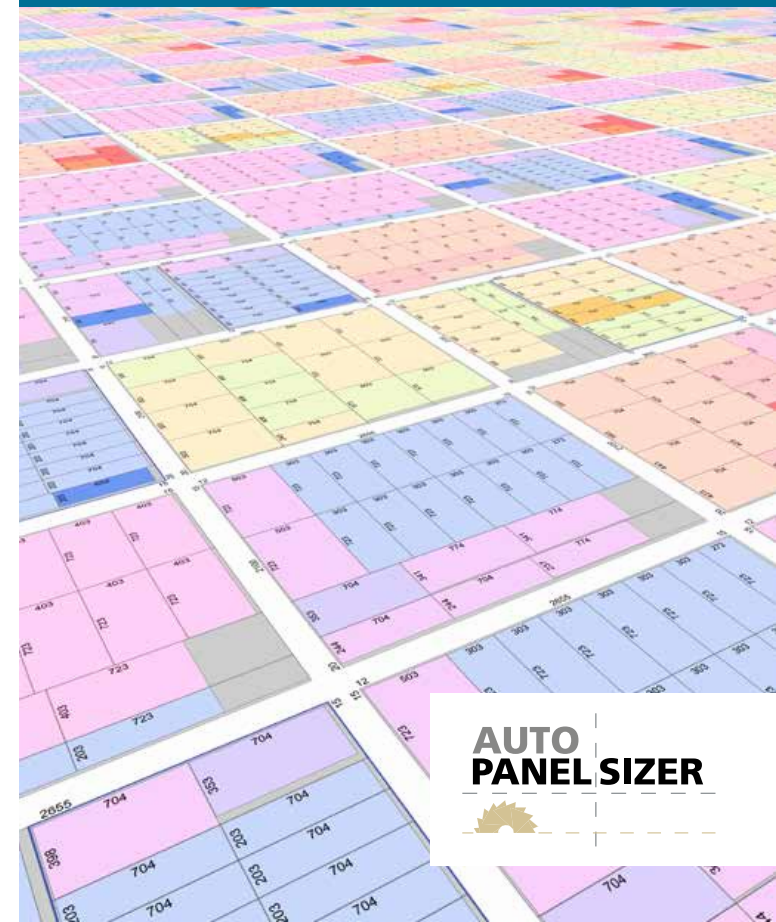
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AUTOPANELSIZER 2.0

OPTIMIZED CUTTING PLANS FOR PANEL-SIZING SAWS



**AUTO
PANEL SIZER**





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ADVANTAGES

Less waste, lower production time and costs

Due to the highly efficient cutting plans generated by AutoPanelSizer, waste and manufacturing costs are reduced significantly. In addition, the optimization reduces production time and ensures good machine utilization.

Fast calculation

The optimization kernel is very fast and delivers typical cutting plans in a matter of seconds. Even large orders only take a few minutes.

Best yield

By using powerful optimization algorithms, AutoPanelSizer achieves significantly higher yields than other market solutions in comparative tests.

Versatile setting options

The various parameters of the software allow the adaptation to given machine characteristics and production specifications as well as the control of the optimization with regard to production times and costs.

Extension of existing systems

AutoPanelSizer integrates easily into existing systems via an XML interface.

IMPROVEMENTS

SCAI improves and enhances the software, constantly applying the latest research findings.

New in version 2.0:

- **Production costs** are taken into account in the optimization, allowing to balance between shorter production times and more efficient material usage.

Further developments in the last year:

- **2 times faster algorithms**
- **Part groups** to model destacking restrictions and for specifying production sequences
- **New adjustment options** for
 - **Cutting lengths and saw feeds**, e.g. for identical strips and end pieces or for modeling transport devices.
 - **Separate saw kerfs** for horizontal and vertical cuts
 - **Individual grain** per sheet
- Optimization across **multiple material types**

ANY MORE QUESTIONS?

Why should I test AutoPanelSizer?

- Benefit from the improvements of the new version 2.0 and convince yourself of the quality of our optimization solutions!
- Extend your existing services with a powerful optimization kernel!

How does AutoPanelSizer benefit my end customers?

- Competitive advantage through efficient cutting plans
- Easier workflows due to easy-to-produce cutting plans
- Significant savings in time and money

How can I test AutoPanelSizer?

- Software integration is not needed for your first tests. Simply request our free demo GUI.

Why should I use a solution from SCAI?

- As an application-oriented research institute, SCAI always puts the latest research results into practice.
- We see ourselves as your partner and consider your needs and those of your end customers during the entire development process.