SPIL

THINKING ABOUT PROFITABILITY

SPIL OPTI

Optimisation & Production Planning
for Flat Glass Fabrication

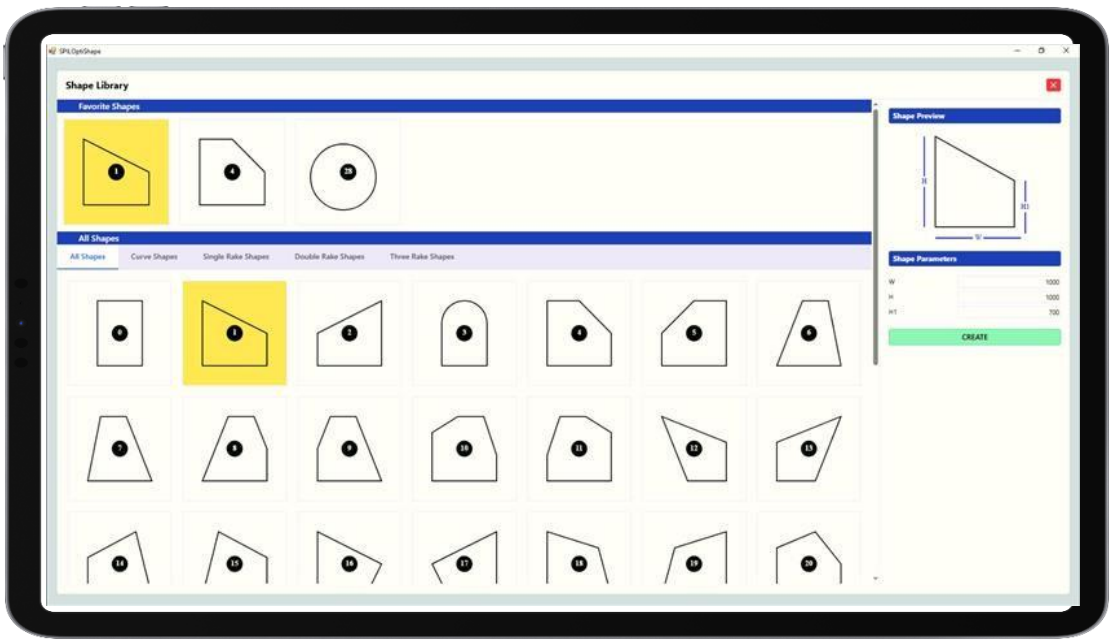
Smarter optimisation. Better yield. Stronger control.

Why You Should Upgrade Your Current Optimisation Software to SPIL OPTI.

SPIL OPTI is the glass optimisation software developed by SPIL Software using complex optimisation algorithms to reduce material usage and improve efficiency of the processing time while giving the best yield.

- SPIL OPTI can seamlessly integrate with SPIL ERP or any Glass Software in the market.
- SPIL shape library with hundreds of simple and complex shapes.
- Different shape templates for shower cubicles, fencing, decorative use etc. Custom draw shapes.
- Shape nesting.
- Maintain glass inventory.

SPIL OPTI is developed using the latest technologies and complex algorithms which makes the Glass Optimisation convenient regardless of the cutting machine you have. Simply our optimisation solution can be linked with almost all the cutting tables of any make. This makes SPIL OPTI a sophisticated optimiser for your business which guarantee the best yield.



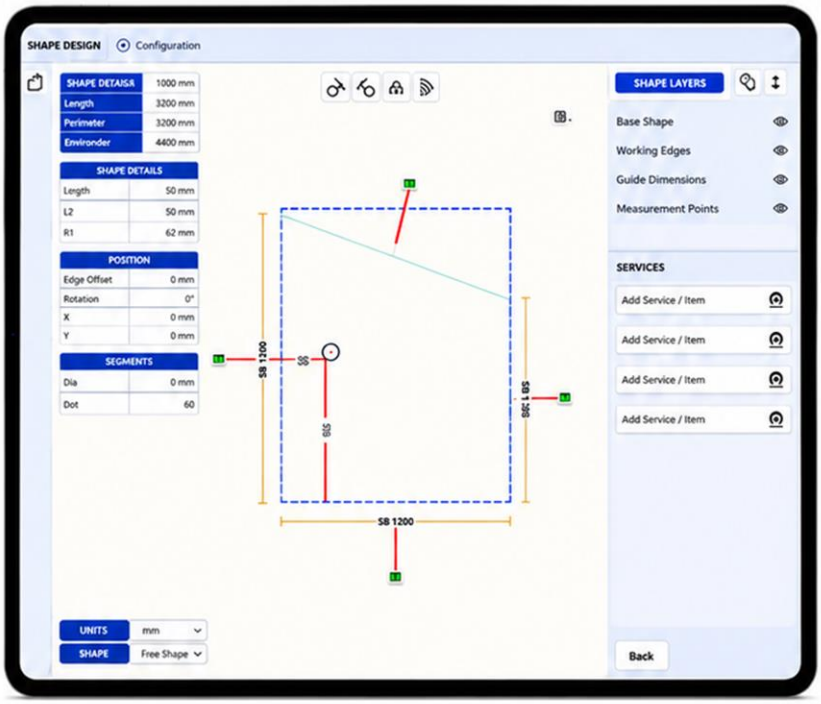
Shape Module

Design, configure and manage custom shapes with precision and ease.

01 Shape Design

Create and edit custom shapes using an intuitive workspace with smart controls and real-time visual feedback.

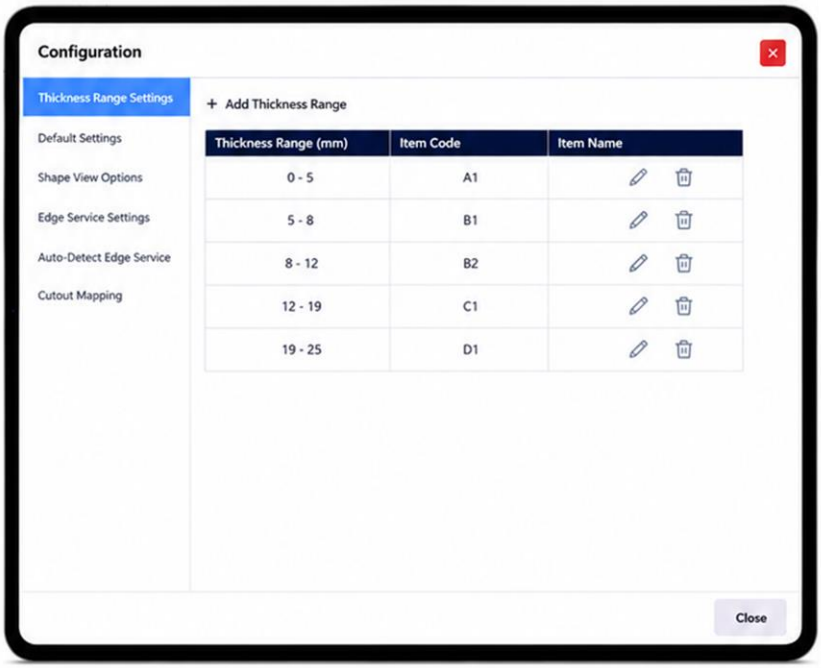
- Easy-to-use design tools
- Accurate dimensions and constraints
- Real-time shape visualization
- Advanced editing options



02 Configuration

Define thickness ranges and module settings to control how shapes are processed and managed.

- Set thickness ranges
- Configure service settings
- Application-wide preferences
- Custom mapping options



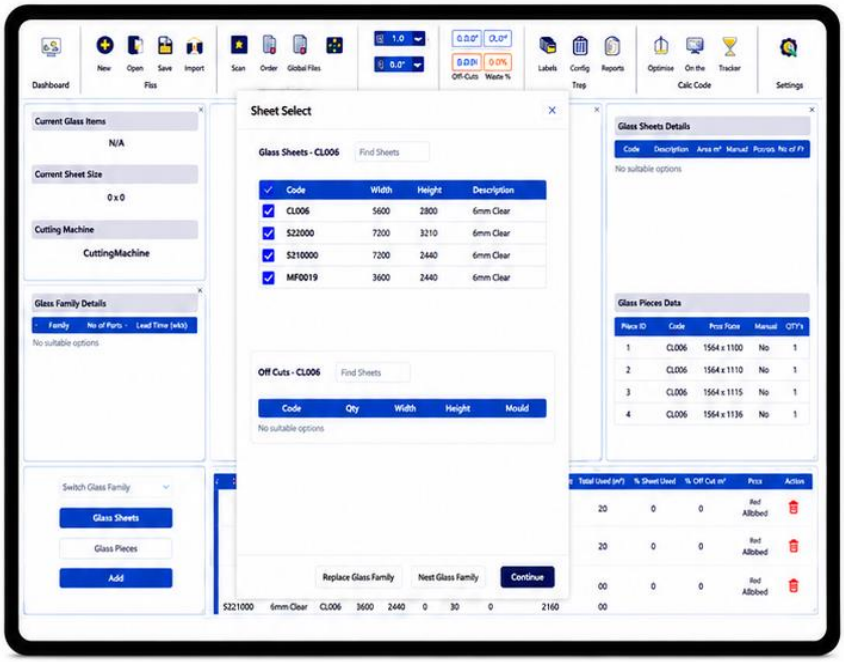
Optimisation Module

Plan, optimise and control glass cutting with better sheet usage, faster decision-making, and clear production visibility.

01 Sheet Selection

Quickly review available sheet stock, compare options, and choose the best sheet for the job with an easy-to-follow selection workflow.

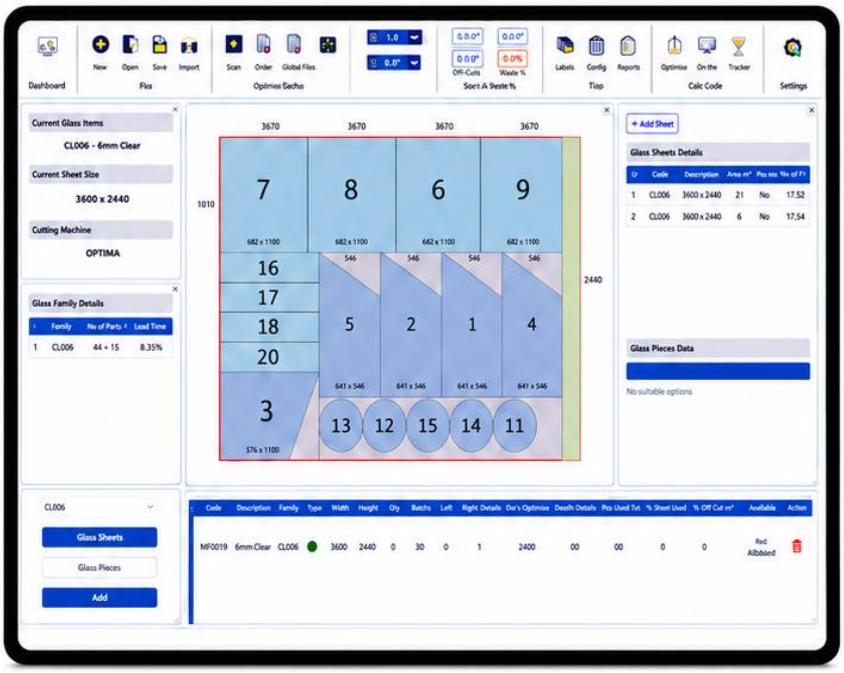
- View available sheet stock
- Compare sizes and quantities
- Select the best-fit sheet
- Improve material planning



02 Optimisation Layout

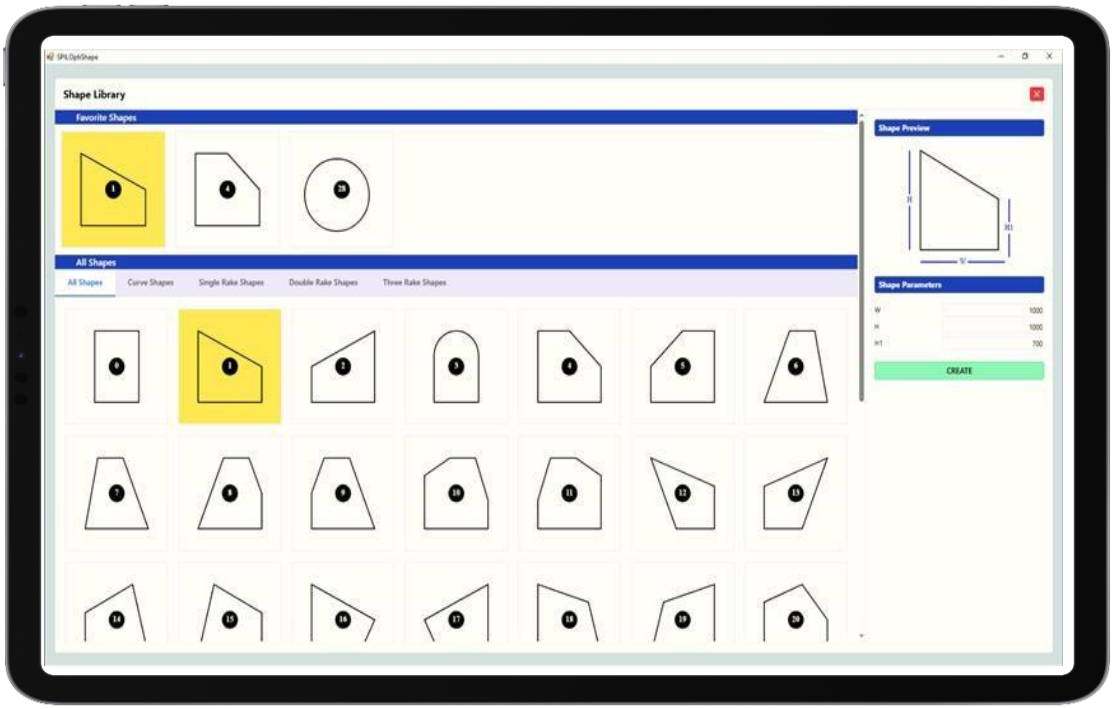
Visualise optimised cutting layouts instantly to improve yield, reduce waste, and support accurate production planning.

- See optimised cut layouts
- Maximise sheet utilisation
- Reduce waste and offcuts
- Support faster production decisions



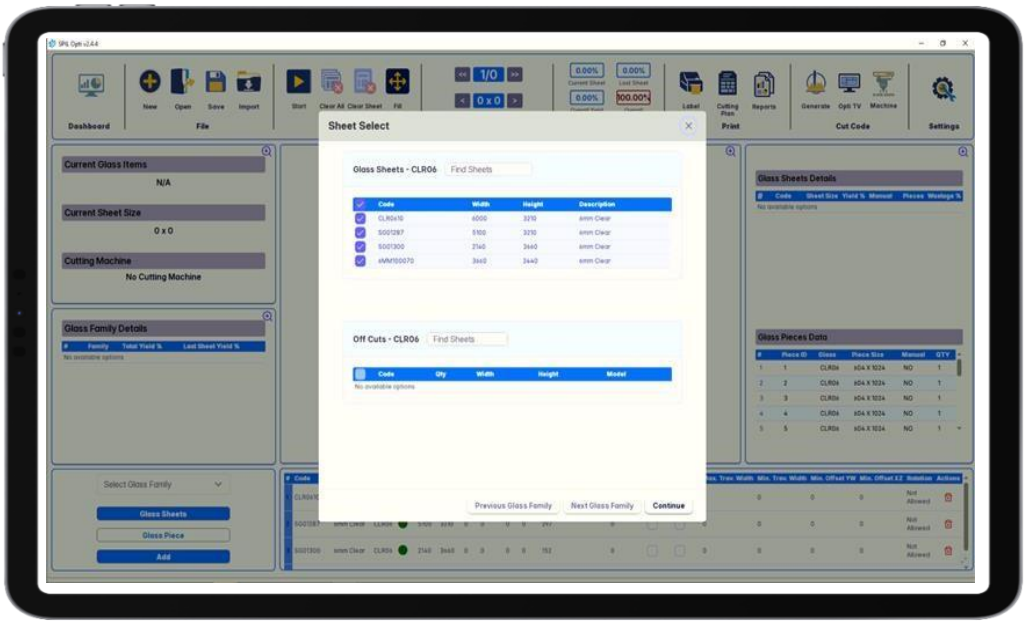
Features and Functionality of SPIL Shape Library/Catalogue

- Easy to use and intuitive, with a custom and free drawable shape interface.
- You can design your own shapes, or rotate and flip them clockwise or counter-clockwise to align with customer drawings.
- Import DXF files directly from customers.
- SPIL shape library integrates seamlessly with order entry, so you can auto-fetch processes linked to the shape.
- Eliminates double handling, speeds up entry, and minimises errors.
- Quickly and easily add polishing to edges, with instant graphical representation.
- Automated trims and grinding are based on the thickness and type of polishing.
- The cut out library is extensive and easy to use.
- Able to find the shapes you need, and export them directly from order entry into WaterJets and CNC machines in DXF formats.



Features and Functionality of SPIL OPTI Optimisation

- SPIL OPTI supports all cutting tables on the market.
- Optimises the cutting process to maximise yield and minimise waste, which can help you increase profits.
- Centralised glass management, for instance glass types and glass sheet management, making it easy for multiple users to access and track glass.
- Helps you manage offcuts with designated racks and labels, so you can easily track and reuse them.
- Optimise with standard shapes, DXF files, so you can use a variety of input formats.
- Customisable label formats for different customer groups, so you can create labels that are clear and easy to understand.
- Label printing in the office or at the cutting table, so you can always have the right labels when you need them.
- SPIL OPTI includes Opti-TV, which allows you to visualise the cutting process on a TV screen at the cutting table.
- OPTI-TV helps you to visualise accuracy and efficiency of the cutting process.
- Automatically tag or mark all panels on the sheet being cut, so you can easily identify them.
- Automatic reduction of sheet stock in sync with the cutting process, so you always have an accurate view of your inventory levels.
- Seamless integration with SPIL inventory module.
- Track stock levels and reserve stocks for specific customers or projects.
- Provides comprehensive reporting, for you to track yield vs waste across different glass types and thicknesses.
- Shape nesting optimises yield and is ideal for larger quantities.



Contact & Support

We’re here to help. Reach out to our team for sales, support, or general enquiries across Australia and the USA.

Australian Sales & Support

Waterman Business Centre,
Suite 220, 44 Lakeview Drive,
Scoresby VIC 3179, Australia

Email: info@spil.com.au
Tel: +61 390 000 065 / +61 447 617 373

USA Office

Dallas Galleria Tower One,
13355 Noel Road, Suite 1100,
Dallas, TX 75240

Email: info@spil.com.au
Tel: +1 479 -569-4400

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