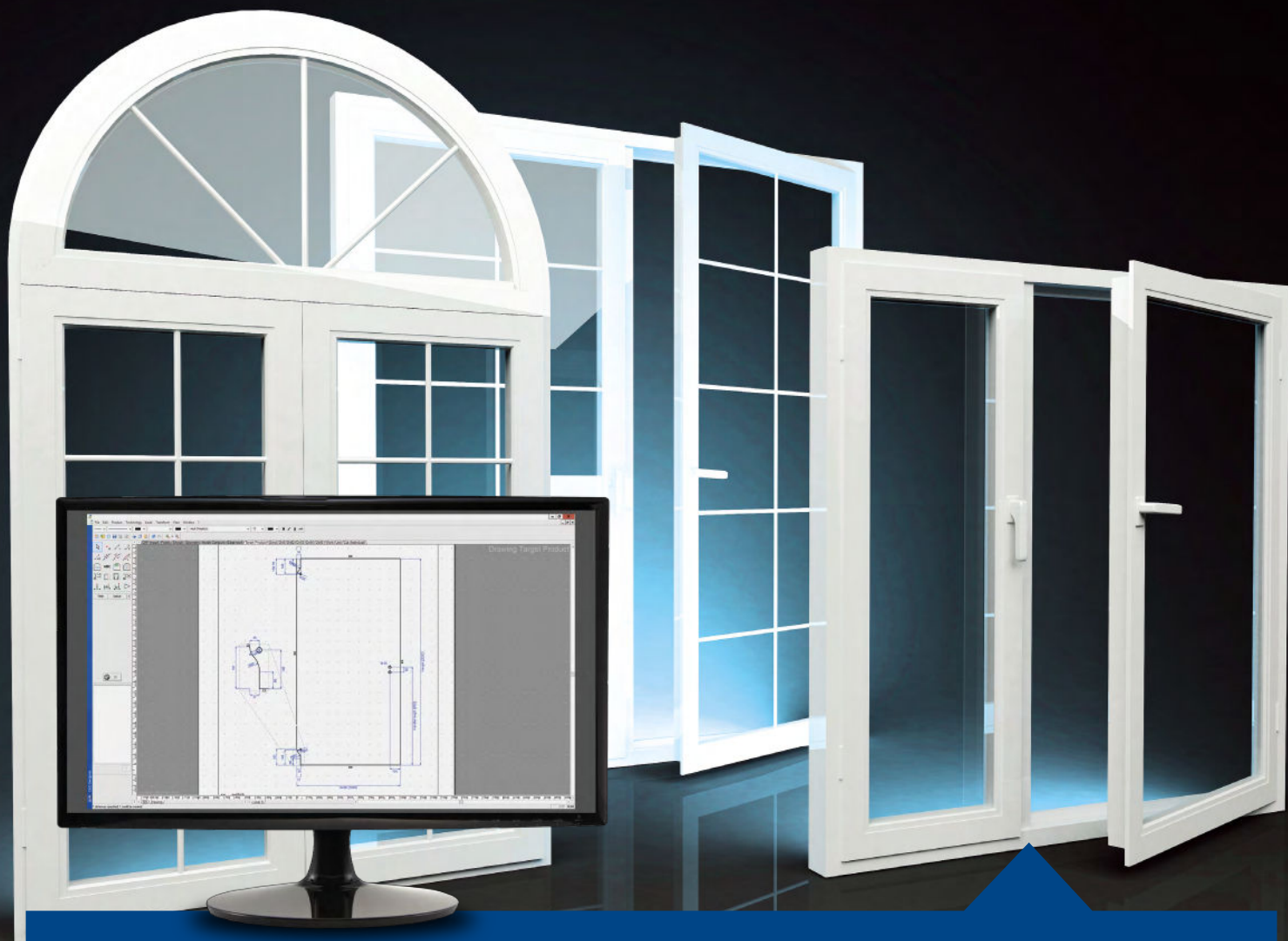




Software for Glass



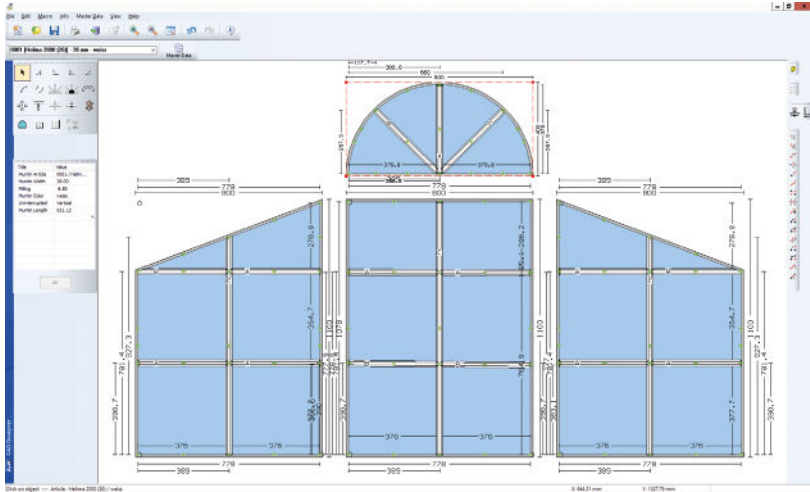
A+W CAD DESIGNER

Designing Made Easy.

A+W CAD Designer combines two powerful functions: The input and construction of free shapes for glass processing and a powerful Georgian bar construction program.

www.a-w.com

Easy design of bar patterns



Your benefits:

- Easy and quick creation and dimensioning of complex bar designs
- Little training effort thanks to graphic tools and modern user interface
- Direct control of the bar saw possible
- Cost and time savings thanks to generation and use of template files and integrated logic for the bar distribution (for example, the same opening areas or the same drill point distance)

Attractive bar designs made easy

Original architecture and individual taste are increasingly being expressed in unusual bar designs. The frequency of special designs requires the use of a high-performance design program that is also in a position to output a picture of the desired bar arrangement on the screen, via a printer or plotter in the original size.

Therefore, A+W CAD Designer (Bars) has a bar design program with graphical interface that allows the majority of common bar types to be arranged at will on a rectangular or shaped sheet. Bars of different widths can be used in a design, and it is also possible to use different bar types within a bar pattern.

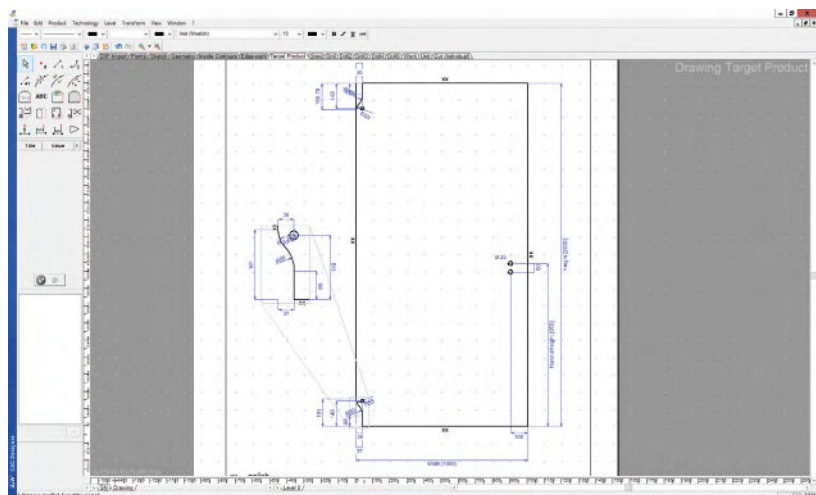
The A+W CAD Designer (Bars) allows designs with straight bars, arced bars, and bars with free angles.

In addition to automatic functions for bar distribution, the A+W CAD Designer provides assistance for completely free-form designs. These "helping points" can be generated from a series of geometric operations (e.g. cut point or distance). In addition, individual bars or groups of bars can be manipulated in many different ways.

All production papers can be designed freely and output on the monitor or in printed form. The output can be done in various sizes on through to a plotter in a 1:1 scale. The drawing contains all relevant information for bar crossings, as well as a list of the profiles to be cut.

In addition to the design of bar patterns, the A+W CAD Designer (Bars) generates NC code for the activation of your bar saw.

Design technical drawings without AutoCAD knowledge



Your benefits:

- Easy and quick creation of complex individual shapes and standard template files
- Easy entry and changing of difficult geometries and processings (esp. edge stripping and complex inside cut-outs)
- Use of imprecise digitised geometries thanks to the A+W patented smoothing process
- Incorporation of the created CAD files into the A+W basic products ERP and PPS
- Possibility of direct control of your CNC machines via DXF transfer

The special challenge of free-form entry of construction and automobile glass is entering the multitude of parameters quickly and correctly, drawing technically correctly and clearly, and generating reliable CNC code from this.

The A+W CAD Designer (Shapes) enables the entry of sheet and contour data, all processings, the takeover of customer CAD data and the digitalisation of templates, for example via digitalisation table or virtual digitising.

From this data, A+W CAD Designer (Shapes) generates CNC codes for cutting and processing machines, e.g. positioning parameters, grinding codes, and drilling instructions, as well as drawings for commercial papers and production. Furthermore, A+W CAD Designer (Shapes) makes the data available.

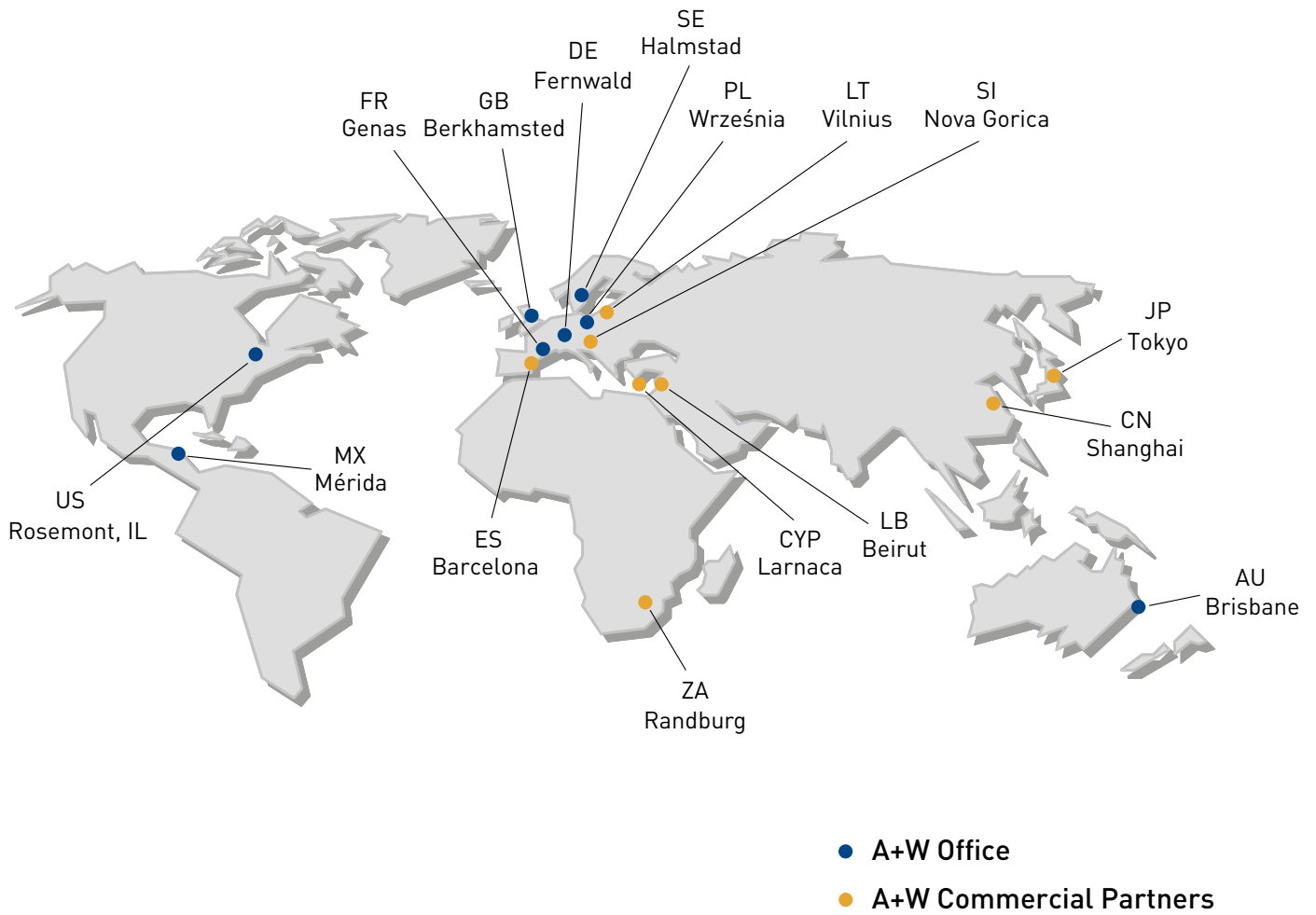
The program has geometry and technology-related views in which the shape can be manipulated at will for print output. The incorporation of free text elements is also possible in A+W CAD Designer (Shapes), as is the detail view of small cut-outs, area fillings, and associative hatching.

Technical order entry

A+W CAD Designer (Shapes) can be used completely integrated with A+W ERP systems. The order processor who enters demanding shaped sheets and processings with A+W Business or A+W Enterprise becomes a designer.

Even if this costs her just a few mouse clicks and the modification of some data – she can produce the entire sheet virtually with all technical details. For this, she does not

even have to be a CAD expert. Depending on the configuration of the order processing system, all frequently-occurring base patterns (shapes, processings, bars) are catalogued and archived and made available as templates. If the order entry detects production-technical overlap of the product currently being entered with one of the stored templates, it assigns the appropriate technical specifications. A template can be a highly-complex, multi-part design. Necessary technical changes that arise due to rescaling are taken over automatically.



A+W – over 40 years of global market leadership in software for the flat-glass, windows and doors industry – for small, medium-sized and enterprise companies.

Our long-term experience is your benefit.

A+W – Your Trusted Advisor