



A+W CAD Designer Automotive



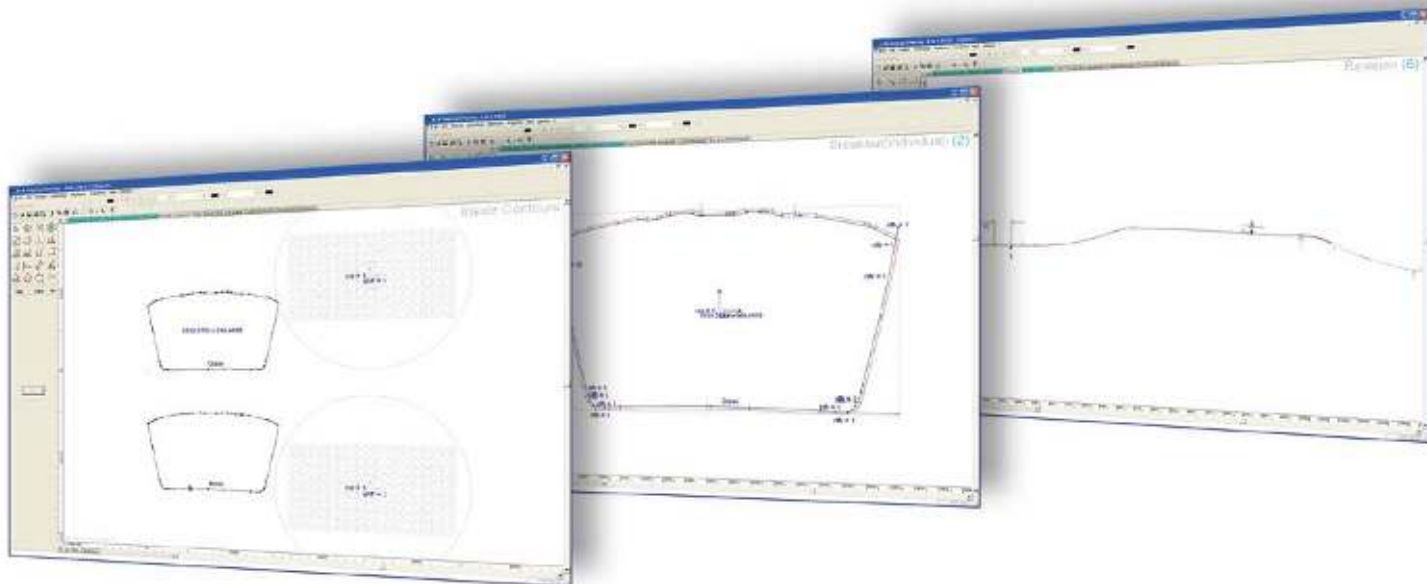
The SuccessWare.

Solutions for Your Needs.

A+W CAD Designer Automotive particularly supports the requirements resulting from the production conditions of automotive glass. Special digitizing methods allow swift digitizing of templates. Highly specialized tools facilitate the smoothing and correction of shapes. A special machine axis helps to position the shape on the line. Peculiarities of different line layouts are taken into account. NC programs for all machines of a line are created in one step. Several production lines can be controlled by just one A+W CAD Designer file. A+W CAD Designer comprehensively supports automotive glass production.

A+W – Software for Glass and Windows

CAD for Automotive Glass



Quick and Precise Digitizing

The "Streaming Mode" function allows to digitize a template simply by tracing it with a special wheel. A+W CAD Designer automatically creates the shape from arcs and straight lines. The resulting, zoomed shape is automatically corrected. This method is extremely fast and, due to the number of digitized points, very accurate. The shape requires smoothing only in some places.

Import of External CAD Data

Two-dimensional CAD data from external programs can be imported in IGES, VDAFS and DXF formats. For information on the import of three-dimensional IGES or VDAFS data, please contact A+W.

Selective and Controlled Correction

A+W CAD Designer uses "measuring points" by means of which certain positions on the contour are easy to find. Highly specialized tools help to smooth the shape; the diver-

gence from the original shape is visible at all times. The "DesignShape" tool can be used for corrections of the measuring points which can then be transferred to the shape. Further smoothing will not be necessary.

Positioning Made Simple

With A+W CAD Designer, sheets can be easily positioned against various types of stoppers – on grinding or drilling machinery for instance – including a visual check of the range of operation. Correlations between processing stations are taken into account. Special views allow to determine whether a position is suitable for all stations on the line.

Dynamic Development

A+W CAD Designer provides auxiliary cuts which keep their properties (such as distances or angles), even if the block size or the contour is changed. This applies to most of the "later" steps of shape processing. In

case of minor corrections of the shape, cutting paths, auxiliary cuts, cutting sequences, etc. usually do not have to be corrected or entered again.

Saving Material

For trapezoid ("triangular") shapes, A+W CAD Designer offers a function that finds the smallest block in which two shapes can be nested. Auxiliary cuts to split the block on a diagonal cutter, and the minimum distances between auxiliary cuts and the edges of the block are considered.

Considering the Entire Line

A+W CAD Designer creates machinery codes for the whole line, from the loading of sheets, up to drilling. Correlations between machines are automatically taken into account.