OMNIWIN EDITIONS

CAD/CAM solutions
for programming
cutting machines

DIGITAL

In addition to the OmniWin Standard Edition, two further editions are available: OmniWin Enhanced and OmniWin Professional. Both extend the basic version with different functionalities.

Functions in OmniWin Standard

Design & visualization

+ Professional 2D design of parts and plates
+ 3D visualization of designs for better control
+ Integrated standard geometry library
+ Automatic and manual dimensioning functions
+ Comprehensive snapping and manipulation tools (rotate, mirror, move, etc.)

Import & file formats

+ Support for numerous CAD formats: DXF, DWG, DSTV, IGES, and many more.
+ Import of SolidWorks and AutoCAD Inventor components and groups*
+ Image file import (BMP, JPG, PNG, TIF) for easy integration of graphic templates
+ Support for CNC programs and nesting plans (e.g. import of DIN and ESSI files as components or nesting plans)

Production support & automation

+ Interactive nesting, also for multi-torch operation
+ Automatic generation of lead-in and lead-outs
+ Collision avoidance and sequence of parts and inner contours
+ Simulation of machining processes for quality and process assurance
+ Support for modern technologies such as Messer Hole and True Hole®
+ Remnant plate cuts for optimum material utilization

Administration & data processing

+ Integrated MS SQL database for parts, plates, nesting plans and much more
+ Readout and assignment of administration data
+ Support for process databases and time/cost calculation
+ Creation of professional reports with Fast Reports® Creator

User-friendliness

+ Clearly structured, highly functional workspace
+ Extensive keyboard shortcuts for efficient working

* SolidWorks license required; AutoCAD Inventor or Viewer must be installed.

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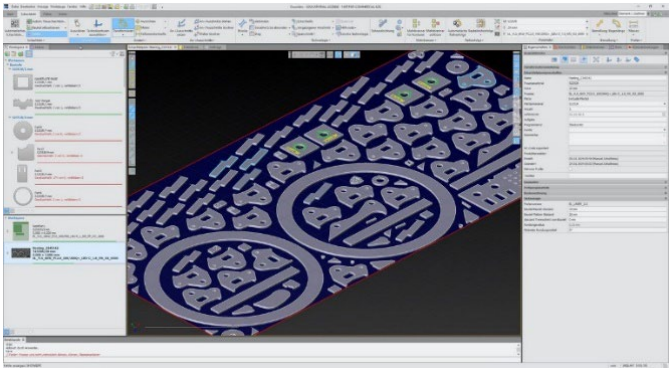
Additional functions in OmniWin Enhanced

Automatic nesting

Automatic nesting minimizes time and maximizes material utilization under various conditions in your production.

+ Auto-nesting for parts and orders with many adjustable optimization options (material- or time-optimized nesting, part rotation, set lead-ins, sequencing of parts, nesting direction, multi-torch)
+ Automatic re-nesting of already nested plans for further optimization
+ Project nesting: All parts/order items in the project are nested on the assigned panels, with nesting plans of different material/thickness possible. The OmniWin algorithm determines the best variant with the best material utilization



Order management

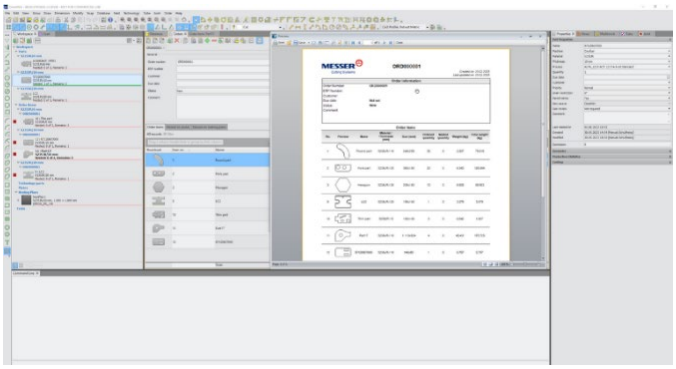
With order management, you can flexibly enter, modify and nest production orders and obtain an overview of your production progress.

+ Create orders (order header, item table)
+ Automatically transfer orders from the ERP system. Together with OmniFab ERP Connect, orders can be transferred from the ERP system
+ Create order items
+ Import geometries
+ Order database
+ Predefined templates for order reports

Order management is included in OmniWin Enhanced and OmniWin Professional.

Import of 3D drawing formats

+ STEP, SolidEdge, Inventor, CATIA, NX, Parasolid, Pro/E, Rhino, SolidWorks (OW x32 Bit requires SolidWorks installation)



Additional functions in OmniWin Professional

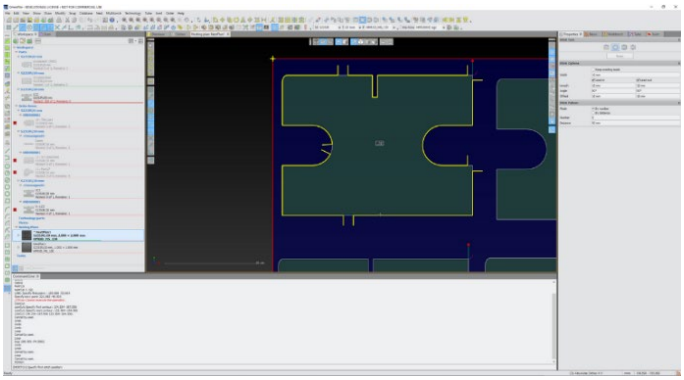
All functional additions in OmniWin Enhanced are included in OmniWin Professional. OmniWin Professional also convinces with numerous additional functions.

Excel import of parts, order items, plates

+ Import of administration data for parts/plates/order items from Excel during import
+ Import of panels based on length/width and other values specified in an Excel spreadsheet (no geometry file required)
+ Import of parts/order items/plates including management data and assignment to existing geometries in the OmniWin database (no new geometry file during import)

Technologies

+ Bridges, also crossed
+ Stitches, including multiple stitches, recessed stitches, micro stitches, micro welds
+ Common cuts
+ Corner loops
+ Joints
+ Rounding of corners



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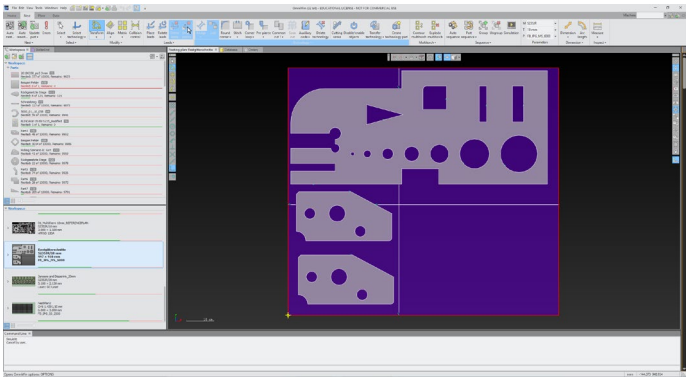
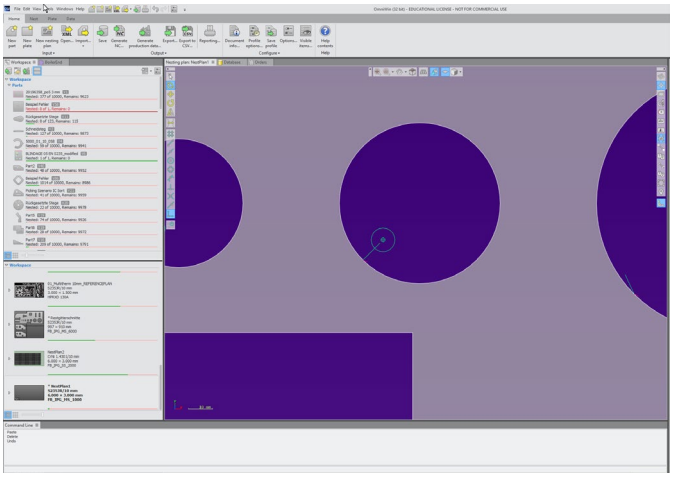
Remnant grid cuts

The cut lines for remnant cuts are inserted according to the settings defined in the nesting plan options.



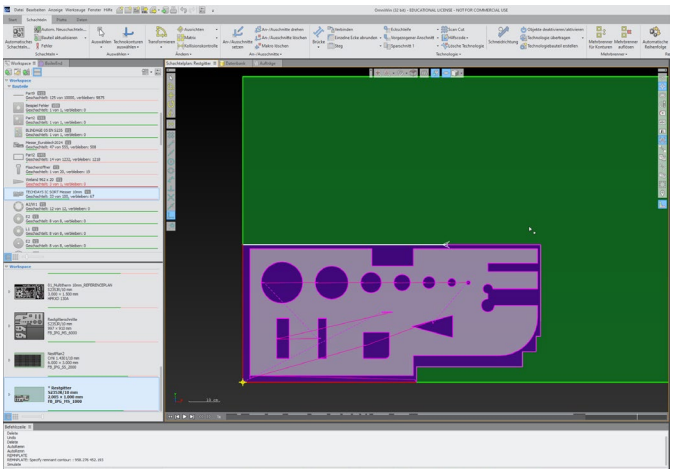
Pre-piercing/Pre-drilling (Option Drill required)

+ Pre-pierced lead ints can be freely parameterized
+ Pre-drilling (Drill option) and the option of sequencing



Remnant plate creation and remnant crop cut

Possibility to create remnant plates and remnant plate crop cuts.



You can find a tabular overview here: **OmniWin 2025**

Free online live Demo

Find out more in an exclusive live presentation about OmniWin and Editions.

Just scan QR code and register for free.

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