



MESSER  **SOFT**

OmniWin 2011-2017

Competitive advantages you shouldn't miss.

❖ **Integrated Bevel solution - Best solution in the market**

- Shared technology databases, common bevel macro definitions and postprocessors
- OmniWin and OmniBevel use the same program data directory

❖ **Advanced nesting plans**

- Direct NC code output for Global Control – no further processing in OmniBevel is required
- Generate DIN code for the GC or ESSI code for OB
- Prepare process and macro data with the PerfectCut Editor
- Simplified updating of parts in nesting plans
- Nesting of bevel parts with collision control
- Macros for lead-ins, lead-outs and joins
- Setting the sequence for individual cuts in a part
- Break points – take from the part or set automatically
- Support for combined plasma/laser machines – process switch for individual contours

- ❖ **Time Calculation for straight nesting plans**
 - Marking, cutting, rapid travel and activation times individually calculated
 - In object information dialog of the nesting plan (straight) and in reports (print-outs)
 - Calculation for complete nesting or specific parts
- ❖ **Messer Hole Technology**
- ❖ **Enhanced Multitorch functions**
- ❖ **Corner loops for nested parts in straight cutting plans**



❖ Professional reporting

- Preconfigured
- Add company logos
- Nesting plan report and part report
- Integrated report design

❖ Workflow improvements for a dramatically improved productivity

- Drawings, parts, plates, remnant plates and nesting plans in hierarchical tree structure
- All parts are sorted by thickness and material and clearly laid out
- Create production data with one mouseclick
- Manages part and plate quantities automatically
- Import dialog allows drawings with DXF, DWG, DWF or IGES formats quickly and easily entered into the system to be modified or cleaned up
- Intelligent Collision Prevention
- Manipulator tool for interactive nesting
- 3-D part view



❖ **Enhanced Technology capabilities**

- Loops on corners combined with automatic control of height sensing process improve contour quality
- With automated multiple stitches, complex cutting tasks can be mastered with ease
- Picture preview of parts, plates and plans
- Splitting display between two monitors
- Multiple selection of records speeds up data management tasks
- Integrated tools for contour manipulation in standard GUI
- Integrated unfolding for bending and rolling machines

❖ **Easier to learn, install and configure**

- Supports Windows 8



- ❖ **New Database System Based on the Microsoft SQL Server 2012 Technology**
- ❖ **Multi User Support with MS SQL Server**
- ❖ **Technology capabilities for Oxyfuel and Plasma**
 - DSTV support
 - Import and Nesting of Part Clusters
 - Advanced time calculation
 - Pre-Piercing and Pre-Drilling
 - Remnant Cuts for Straight and Advanced (Bevel) Nesting Plans
 - Skeleton Cuts for Straight and Advanced (Bevel) Nesting Plans
 - Stitches for Bevel Cutting
 - Stone Mold Cutting



❖ Order management

- Easy and fully integrated order management functions
- Quickly create order items from parts
- Import parts as new order items
- Order sorting by material and thickness
- Easy customer management
- Order tracking



❖ Basic Costing

- Material costs are calculated based on the plate utilization
- Process costs are calculated based on the total cutting time
- Labor costs are calculated based on the total cutting time
- Total costs for each nesting

❖ Time Calculation for bevel parts

- Production statistics based on the internal nesting
- Advanced time calculation based on the nc program
- Hundreds of professional pre-adjustments possible in order to get perfect results
- Improved usability for stitches



❖ **Enhanced Technology capabilities for Oxyfuel and Plasma**

- Advanced Messer Hole Technology
- Customizable database fields
- Enhanced Dimensioning
- Improved Simulation
- Part Highlighting
- Color-coding of order items
- Nesting Plan Quantity
- Cutting Table
- Improved usability for stitches
- Highlight missing compensation values
- Multitorch Nesting

❖ **Microsoft Windows 10 Ready**



❖ **New Product Options**

- Option Drill
 - enhanced drill unit support for drilling customers
- Option Mill
 - Pocket Milling and Through Hole drilling (2.5D)
 - available for US only with OW17

❖ **New SolidWorks Interface**

- Unfolding of Sheet Metal Parts with SolidWorks API
- Import of Multi- or Single body parts
- Support of bevel parts
- Helps customers to save time and money and reduces errors when transferring data between both products



❖ **New Smart Matrix Nesting**

- horizontal, vertical or diagonal with collision control
- fast and easy multiple copies of the same part as matrix
- extremely handy and smart solution
- de-facto standard for modern CAD/CAM products

❖ **New Excel Import Interface**

- plate import via Excel file
- part import via Excel file
- order import via Excel file
- simple and fast solution for sharing data with 3rd party software
- easy transfer of data from ERP/MRP into OW17

❖ **New LogiCAL Interface for Costing & Quoting**

- fast calculation
- easy quoting
- fast and easy extension for OW to enable costing & quoting
- both product work seamlessly perfect together



❖ **Enhanced Label Printing**

- part label template available with the product
- printer can be adjusted separately for labels
- state-of-the-art part identification solution

❖ **Enhanced Plate Management**

- full access to plate attributes within reports
- extended traceability
- remnant plate history

❖ **Enhanced Drilling Capabilities**

- Bore Hole Cutting supported
- Deep Hole Drilling supported
- improved European machine support
- smooth high-precision holes with a perfect cylindrical form



❖ **New Smart License Tracking**

- Activation Tracking
- Activity Tracking
- Subscription Tracking
- Stock and Return Tracking
- Customer Environment Tracking
(e.g. operating system, memory, graphics adapter etc.)
- all data associated with MCS region (EU/US/CN/IN/BR)
- Live Dashboards
- Live Reports with easy export to Excel or CSV
- Real-Time License Information for Sales and Support
- Highly efficient feedback channel from Customer to MCS



❖ **New Post Processor Concept**

- more flexibility for PPs, including 3rd party equipment
- straight PP for Fanuc Control
- straight PP for Burny CNC with Kaliburn plasma

❖ **Upcoming OW17 software sprints during 2017**

- Tasks
- Advanced Common Line Cutting
- SolidWorks Integration Next Iteration
- Autodesk Inventor Integration
- Automatic lead-in and lead-out positioning for slot holes
- Messer Hole XPR
- and much more to come ...!

OmniWin 2017 Feature Chart



		OW17 STD	OW17 ENH	OW17 PRO	OW17 EPR
CAD	CAD Part and Plate Creation	X	X	X	X
	3-D Visual Rendering	X	X	X	X
	Standard Shapes Library	X	X	X	X
	Text Conversion for Cut-outs or Marking	X	X	X	X
	CAD Import DXF, DWG, IGES, DSTV, *SolidWorks Part(SLDPRT) and Assembly(SLDAMP)	x	x	x	x
	Read and Translate Administration Data	X	X	X	X
	Import Images bmp, jpg, png, tif file formats	X	X	X	X
	Import TRUNEST Dxf as Nesting with Single Part identification	X	X	X	X
	Reverse Import CNC files to DXF	X	X	X	X
Excel Import of Parts and Plates (Orders with ERP Edition only)	x	x	x	x	
CAD and Nesting	MS SQL Database for Parts, Nestings, Plates, Profiles and Machines	X	X	X	X
	Fast Reports® Creator	X	X	X	X
	Professional Designed Workspace	X	X	X	X
	Short Cut Keys	X	X	X	X
	Dimensioning	X	X	X	X
	Snap Modes	X	X	X	X
	Manipulator Tool for rotation, copy, move and mirror	X	X	X	X
		X	X	X	X
Nesting	Process Database	X	X	X	X
	Messer Hole Technology supports True Hole® or Contour Cut	X	X	X	X
	Production Time Estimation	X	X	X	X
	Costing	X	X	X	X
	Automatic Lead-in/out with Customization	X	X	X	X
	Cut Plan Simulator	X	X	X	X
	Interactiv nesting (Row and Column, Pattern Matrix) with Single or Multi-Torch	X	X	X	X
	Collision Avoidance	X	X	X	X
	Process Optimization	X	X	X	X
	Modify Part, Interior Profile or Marking Sequence	X	X	X	X
	Automatic Nesting		X	X	X
	Stone Mold Cutting			X	X
	Stitch, Bridge, Common Cut, Corner Loops, Chain Cut, manual Crop Cut			X	X
	Skeleton Cut Up			X	X
	Pre-Piercing and Pre-drilling (Option Drill required)			X	X
Remnant Plate Creation with Auto Crop Cut			X	X	
Work Order Processing with Order Database				X	
Options	Option Bevel - Bevel Part Creation	•	•	•	•
	Option Unfold - Unfold 3D Industrial Fittings	•	•	•	•
	Option BoilerEnd (requires Option Bevel) - Dome Cutting	•	•	•	•
	Option Mill - 2.5D Milling Support for Pocket Milling and Through Hole Milling	•	•	•	•
	Option Drill - Drill support	•	•	•	•



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Thank you.

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