



## OMNIBEVEL 2019

BEST-IN-CLASS SOFTWARE TECHNOLOGY FOR BEVEL CUTTING.

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**OmniBevel 2019** is the best professional software product for bevel cutting. It reduces the time and cost for creating bevel programs down to a couple of mouse clicks; minimizes machine production time and increases part quality by using proven cutting parameters and techniques. With OmniBevel you can trust that your investment your machine can be maximized to its fullest potential.

*Designed by experts for experts.*

### **COMPREHENSIVE MACHINE SUPPORT**

- **Supports cutting processes in: oxy-fuel, plasma, and laser.**
- **Supports various marking tools: punch, Telesis® Pinstamp® ink-jet, plasma and laser markers, sand / glass blasting, and grinder.**
- **Supports cutting machines with drilling heads: Drill information is transferred from the input side into the final NC output.**
- **Export as DIN NC code via adaptable post processors.**
- **Post processors with numerous parameters are included in the scope of supply, e.g. for plate rotation with plate position compensation.**

### **OPTIMUM HARMONIZATION AND PRECISE INSTRUCTIONS**

To achieve quality bevel, cuts the NC code generation must match exactly to the capabilities and performance of the machine used. Lateral, angle offsets must be considered for all cuts. Lead-ins and lead-outs as well as joining geometries between individual contour segments must be placed in such a way that no flaws appear on the contour cut. The bevel cutting plan has the highest demands on the programming.

### **OPTIMIZE YOUR MACHINE**

OmniBevel is an advanced graphical post processor interface. It inserts bevel information and technical requirements in the NC plans in such a manner that the machine gives the optimum cutting results in automatic operation. Messer's beveling units coupled with OmniBevel software guarantees you'll receive the highest quality in beveled parts.

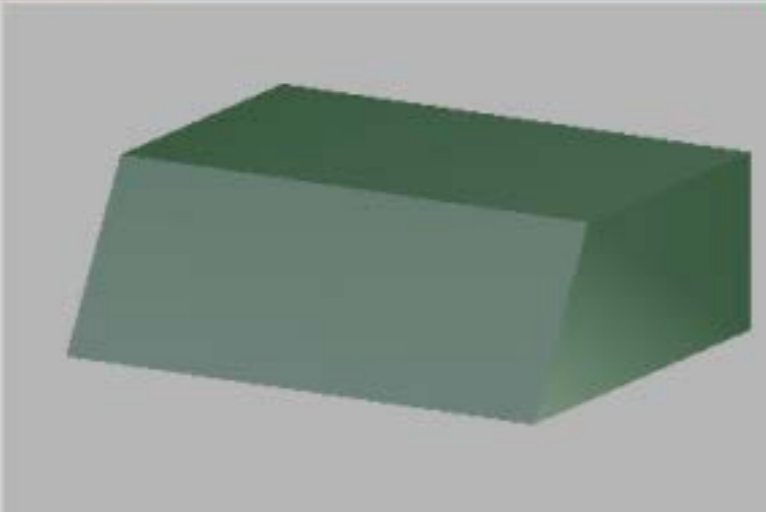
### **NUMEROUS IMPORT FUNCTIONS**

Connect OmniBevel software to almost every nesting software from third party supplier with the help of the import filters for ESSI and DIN codes. If the imported NC files already contain bevel information, then the OmniBevel will display the information. In addition, you can complete or modify bevel information interactively, divide contours, apply bevels and set start points.

### **SIMPLE OPTIMIZATION OF NESTING PLANS**

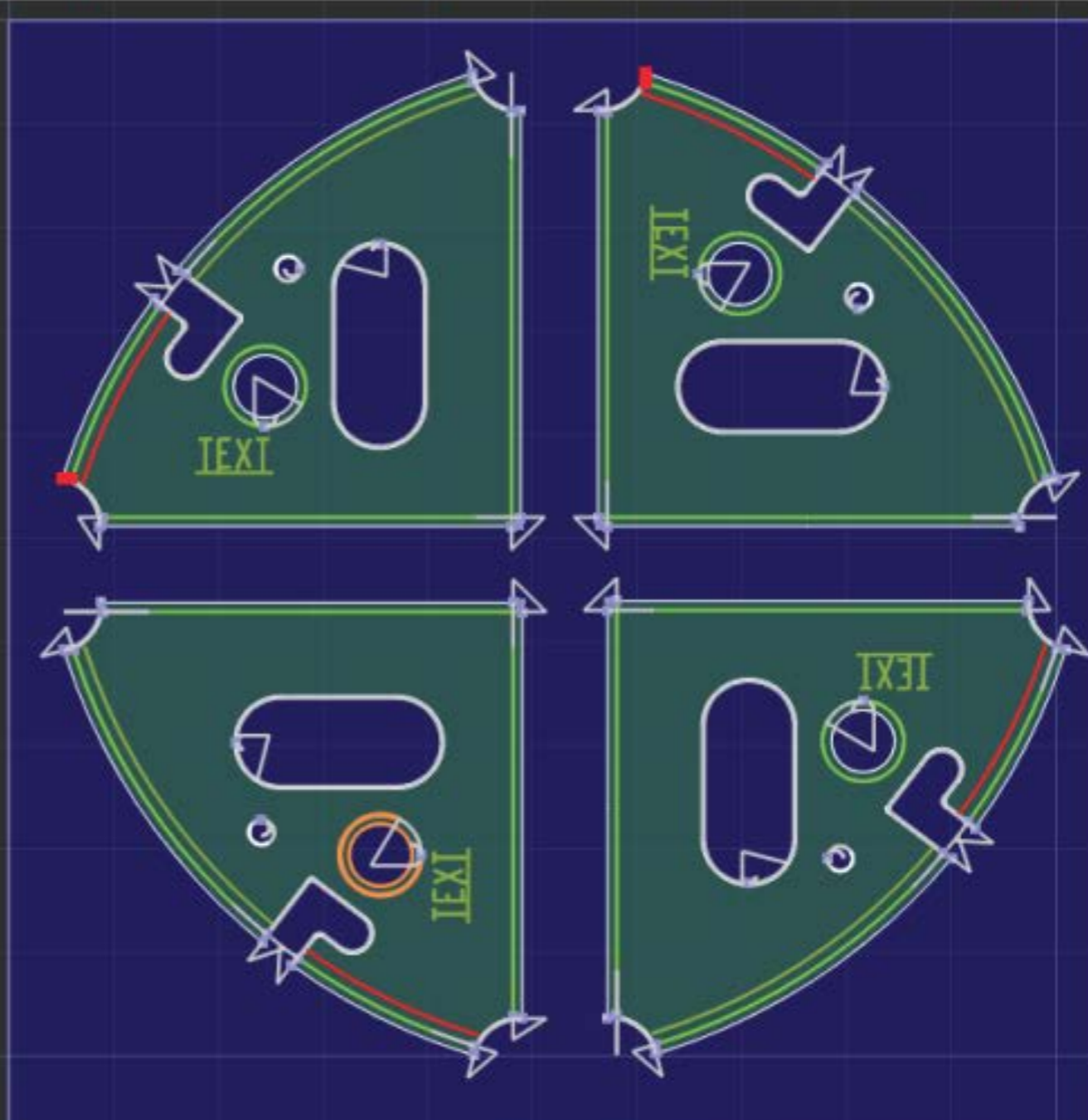

Remove unwanted lead-ins or lead-outs from the original nesting NC plan. You can define individually the sequence of lines to be cut preventing part movement and assure accuracy due to heat and plate movement. OmniBevel creates a continuous cut path to minimize torch-on time, plus parts can be shifted or rotated.

Main Properties



Selected sub-contour(s)

Process	Cut: Skew
Tracking	Full
Kerf	Left
Bevel Type	VDS
Start Bevel	
DS angle	30.000
End Bevel	
DS angle	30.000
Plate	
Material	
Material name	S235JR
Material group	MILD STEEL
Thickness, mm	20.000

Small window 1:

Layer 1	1 (1270000)
Layer 2	2 (1270000)
Layer 3	3 (1270000)
Length 1 (L1)	12.000
Length 2 (L2)	20.000
Offset	0.000
Pre-punch offset (C)	0.000
Post-punch offset (C)	0.000
Material	
Material name	S235JR
Material group	MILD STEEL
Thickness, mm	20.000

Small window 2:

Layer 1	1 (1270000)
Layer 2	2 (1270000)
Layer 3	3 (1270000)
Length 1 (L1)	12.000
Length 2 (L2)	20.000
Offset	0.000
Pre-punch offset (C)	0.000
Post-punch offset (C)	0.000
Material	
Material name	S235JR
Material group	MILD STEEL
Thickness, mm	20.000

Small window 3:

Layer 1	1 (1270000)
Layer 2	2 (1270000)
Layer 3	3 (1270000)
Length 1 (L1)	12.000
Length 2 (L2)	20.000
Offset	0.000
Pre-punch offset (C)	0.000
Post-punch offset (C)	0.000
Material	
Material name	S235JR
Material group	MILD STEEL
Thickness, mm	20.000

# MESSERSOFT BEVELING TECHNOLOGY AT ITS BEST

## COST SAVINGS

Typically with most manufacturers you need to rely on creating test pieces to prove bevel parameters for each material thickness and bevel angle combination that needs to be cut. With OmniBevel your bevel machine can be in production as soon as the machine power is turned on virtually eliminating downtime, labor, and material costs to preform test pieces.

## PRECISION

OmniBevel comes packaged with proven cutting parameters for hundreds of various bevel and thickness combinations. With Messer Hole Technology you can be confident that you will achieve the best hole cut quality.

### HARDWARE REQUIREMENTS:

- **1GB RAM, 100MB hard disk space, 2GHz CPU.**
- **Minimum screen resolution 1024 x 768 px, recommended 1680 x 1060 px or more.**
- **Graphics processor with Open GL 1.1 support or higher, without "shared memory".**
- **USB port for connecting a local software protection dongle or network access to a licensed server**

### SOFTWARE REQUIREMENTS:

- **Windows 7 or higher**
- **Microsoft Internet Explorer Version 6 or higher.**
- **Microsoft .NET Framework 4.0 or 4.5.**
- **MSXML 4.0.**

## FLEXIBILITY

OmniBevel is flexible. Almost all technical parameters are possible and operation details can be adjusted. The intelligent defaults based on technology database often render any manual intervention unnecessary, but if adjustments have to be made, only one part needs to be adjusted and all identical parts will get the same adjustments.

## PROCESSES SUPPORTED

### MESSER PLASMA

- Bevel Units: Infinity, Delta<sup>e</sup>, & Bevel-R<sup>®</sup>
- Messer Hole Technology.

### MESSER OXYFUEL

- Bevel Units: DAF/L

### MESSER LASER

- Units: Bevel head for LaserMat II

### BEVEL CUT TYPES

- I, VDS, VAS, YAS, YDS, X, K

Beveling combinations vary depending on process, material type and thickness.