



Data Sheet

WE-CIM CUTTING SHOP EDITION is our Windows-based integrated CAD/CAM software solution designed specifically for the fabrication industry. It combines WE-CIM Advanced Fabrication with Arbor Image Cutting Shop. Whether you are a job shop or large production shop, we have a solution that fits your needs. Our CNC machine tool support is driven by a flexible database structure that requires only the most basic information for complete automation of the manufacturing process!

WE Give You All the Tools You Need in One Package!

WE-CIM CUTTING SHOP EDITION provides a simple yet powerful solution to your fabrication needs. All the features you need are contained in this single software package; there are no additional modules. WE-CIM CUTTING SHOP EDITION supports all two-axis burner, laser, waterjet, punching and combination machines. WE-CIM CUTTING SHOP EDITION includes :

CAD Conversion <ul style="list-style-type: none"> • DXF, DWG, PSM support • Data filtering and repair • Automatic toolpath generation 	Nesting <ul style="list-style-type: none"> • Automated and manual support • True-shape / Part-in-Part nesting • Automatic lead in/out and piercing • Automatic repositioning 	Code Generation <ul style="list-style-type: none"> • Fully configurable • Automated and manual sequencing • Visual verification
MRP / ERP Integration <ul style="list-style-type: none"> • CSV, XLS, MDB support • Batch processing 	Reporting <ul style="list-style-type: none"> • Fully configurable • Shop floor and tooling reports • Barcodes • Cycle times 	Material Tracking <ul style="list-style-type: none"> • Raw materials • True-shape remnant
Automation <ul style="list-style-type: none"> • Tool selection • Clamp avoidance • Macros 	Editing <ul style="list-style-type: none"> • Part and custom tool geometry • Drag & Drop parts • Work zones, clamps, drop doors • Toolpath sequencing 	Other Features <ul style="list-style-type: none"> • Shaker Tabs • Chain Cutting • Standard Shape Library

This balanced set of features allows you to both improve part quality and reduce production time.

WE Take You from Parts to CNC Code!

WE-CIM CUTTING SHOP EDITION combines Windows' features with fabrication terminology, providing a familiar workplace environment. Logical, intuitive process steps foster reduced learning time, allowing you to become productive quickly.

WE Improve Productivity with our Configuration Manager!

Today's high-tech CNC Fabrication Centers provide benefits that were not available a few years ago. Our CONFIGURATION MANAGER allows you to manage modern fabrication data for burners, lasers, waterjets, punching and punch combination machines.

WE Generate the CNC Code You Need!



Machine-ready code has always been a WE-CIM advantage. Our flexible database structure and integrated JAVA-based Post Processor provide complete customization of your CNC machine code. Never again will you have to manually edit a CNC program.

WE Provide Visual Verification and Editing Tools!

The tools to visually create and modify geometry, toolpath, and CNC code are available inside the Interactive Graphics Editor.

FABRICATION provides visual part simulation of the machining process. This simulation shows you how the material will be cut, allowing you to inspect parts and catch errors in the data entry process, all before any CNC machining time is expended.

WE Save You Money with True-Shape Nesting, Material Management and Remnants!

FABRICATION integrates our true-shape nesting with advanced part-in-part capability for efficient manufacturing. Nesting accurately models your machine configuration, supporting repositions, drop doors, clamps, and large-part cutting. Nesting works seamlessly with ORDER PROCESSOR and REPORTER, providing a complete solution to your manufacturing needs!

FABRICATION's material library offers full control over remnant creation, recognition, and management. It manages your material inventory, depleting materials from fresh stock as they are used and returning true-shape remnants to inventory.

WE Make It Easy to Process Your Information!

FABRICATION's ORDER PROCESSOR automates the nesting process by taking advantage of your existing MRP/ERP data. Its intuitive interface allows you to quickly map fields from your MRP/ERP data using a one step setup process. ORDER PROCESSOR accepts standard file types such as delimited ASCII, single-line data, Excel spreadsheets, and more!

SCAN and CUT... or TYPE and CUT

Draftsman Cutting Shop is the premier 32-bit raster to vector conversion program for all cutting applications. The program imports color, gray and black and white images. Cutting Shop is simple to install, easy to use and extremely fast. Scans of both sketches and silhouettes are quickly converted into high quality, ready to cut, vector drawings.

Any TrueType font is instantly outlined with long lines and arcs. Whether it is a vectorized drawing or an outlined font, complex curves are made of a series of end-to-end arcs and outlines are closed polygons. Images converted with Cutting Shop cut smooth and the cutting tool stays down until the outline is finished, optimizing your cutting operation.

PREPARATION - Cutting Shop has many features designed specifically for NC applications such as line offset, cuttable fills, automatic and manual tool path sorting, show direction of cut and if required, reverse it. Also, Import DXF files from low-end raster to vector programs and automatically create long lines and arcs from the thousands of short vectors that these programs can create.

EDIT - Because Cutting Shop is a hybrid raster/vector program and because clean-up is always a concern, Cutting Shop comes with an impressive variety of vector and raster editing functions; stretch, scale, move, copy, delete, insert and join.

EXPORT - Vectors are exported to DXF, PLT, IGES and other CAD and CAM specific formats. Vectors, raster, or the combined raster and vector hybrid image can be saved or printed. Vectors can be drawn on the raster image and the combined raster/vector drawing can be saved back as a raster drawing.

<p>Raster to Vector Conversion</p> <ul style="list-style-type: none"> • Convert All or Selection to Vectors • Color and Gray Support • Silhouette Conversion • Sketch Conversion • Preset and User Definable Conversion Parameters • Long Lines and Arcs 	<p>Fonts</p> <ul style="list-style-type: none"> • Optional Stroke Fonts! • Silhouette any TrueType font • Type on an arc or series or arcs <p>Printing</p> <ul style="list-style-type: none"> • Raster, Vector and Hybrid Printing 	<p>Raster Editing</p> <ul style="list-style-type: none"> • Vector to Raster Conversion • Box and Polygon Erase • Pixel Editing • Hole Filling • Raster Grid • Despeckel • Copy
<p>NC Preparation</p> <ul style="list-style-type: none"> • S-Fill, Hatch Fill • Bridge Tool • Automatic Tool Path Optimization • Manual Tool Path Sort • Change Direction of Cut 	<p>Heads-Up Digitizing</p> <ul style="list-style-type: none"> • Snap to Raster • Snap to Vector • Raster Editing • Vector to Raster Conversion • Trace with Lines, Circles, Arcs, Text and polylines. 	<p>Raster files imported & exported:</p> <ul style="list-style-type: none"> • PCX, BMP, Tif Group 4, Tif Uncompressed, Tif Pack Bits, RLC, CALS Group 4, JPG <p>Vector files exported</p> <ul style="list-style-type: none"> • DXF, PLT, IGES, DXB, CGM, HPG, TXT, 2D

WE Save you Time with Local Support!

WE-CIM solutions are available through a network of certified resellers in the fabrication industry. Local installation, training, and support minimize disruptions and improve your ramp-up time. This enables you to quickly reap the benefits of the WE-CIM solution.

WE Suggest These Minimum Hardware Requirements:

WE-CIM solutions are designed to work on a minimal platform of Intel-based PCs using a Windows XP, 2000, 98 or ME operating system. Requirements: Intel-based Pentium II processor with 512 MB RAM, CD-ROM, Mouse, 200 MB free hard disk space, and 1024x768 resolution graphics with 256 colors, 1 available USB port.

For more information, contact:



P.O Box 1765 • Cullman, Alabama • 35056 • Ph: (256) 737-3075 • Fax: (256) 737-3075 • www.wittlockeng.com