



## *Data Sheet*

***WE-CIM FABRICATION is our Windows-based integrated CAD/CAM software solution designed specifically for the fabrication industry. 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 FABRICATION 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 FABRICATION supports all two-axis burner, laser, waterjet, punching and combination machines. WE-CIM FABRICATION includes:

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

This balanced set of features allows you to both improve part quality and reduce production time. WE-CIM FABRICATION solves today's problems and its flexibility allows you to solve tomorrow's problems as well.

### **WE Take You from Parts to CNC Code!**

WE-CIM FABRICATION 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.

Whether using existing CAD data or drawing parts within WE-CIM FABRICATION, automated part manufacturing has never been easier. Simple data entry processes create the information necessary to generate CNC toolpath.

### **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-CIM FABRICATION supports many machine features not supported in typical CAD/CAM or nesting software.

Our unique "Tool Crib" feature includes tooling inventory that can be associated with standard machine stations and/or with multiple machines.

### **WE Model Your Geometry and Manufacturing Processes!**

Our unique CAD-To-Code functionality makes it easy to produce CNC Toolpath. Simply define your manufacturing processes and apply them to your parts. WE-CIM FABRICATION remembers the relationship between your parts and processes, providing easy editing and modification. Change your part geometry and the associated toolpath is updated automatically!

## **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 Save You Time and Money with Automation!**

Using JAVA as our macro language allows you to automate common functions and makes your job easier. "Family of parts" programming, repetitive steps, or links to existing part information can be automated, reducing time in the office. Automated processes provide higher quality work by eliminating redundant data-entry and getting the job done faster!

## **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. Material management saves you time, money, and valuable floor space!

## **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!

## **WE Take You From Order Entry to the Shop Floor and Increase Your Profits!**

FABRICATION's ORDER PROCESSOR improves your productivity by eliminating steps between order entry and the shop floor. This saves you time and eliminates data-entry errors!

FABRICATION's ORDER PROCESSOR streamlines your operation, decreases costly inventory and releases valuable floor space. Avoid costly data-entry mistakes and start saving time and money today!

## **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:*



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