

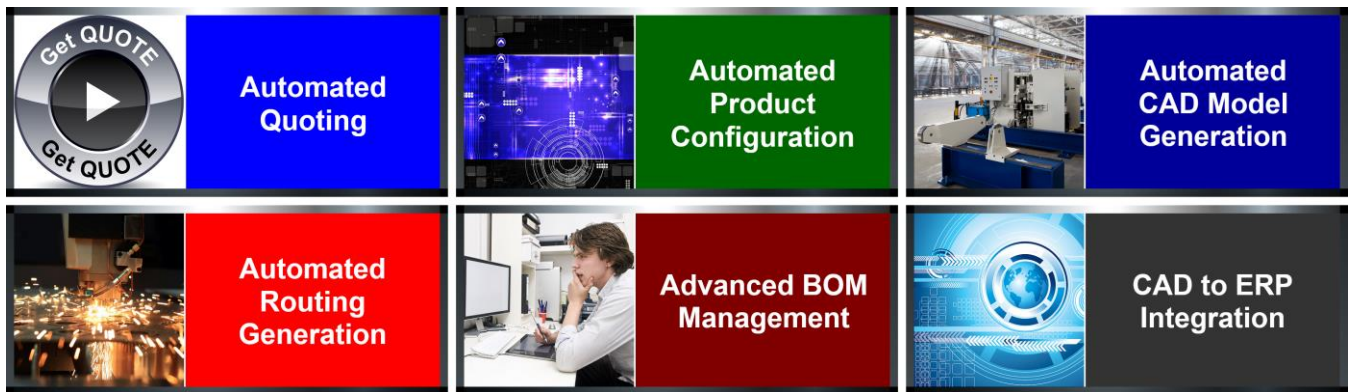
## Global Edge® 2017 – Automated Manufacturing

The Power to Succeed in a Global Market

**Global Edge® 2017 – Automated Manufacturing** is the premier quoting and product configuration system for the sheet metal fabrication industry including custom products. **Global Edge** helps insure that your sales quotes are both accurate and deliver profitable orders for your company. **Global Edge** is an affordable “**Out-of-the-Box**” software solution that has been successfully implemented at manufacturing companies that range from small to Fortune 500 and easily adapts to a wide range of products.



### Speed up your workflow from quoting to final product shipment



#### Key Features

- Automated generation of accurate sales quotes
- Automated configuration of simple-to-complex products
- Automated generation of 3D CAD models
- Automated generation of routings based on CAD model parameters / customer specifications
- Integrates sales, engineering and manufacturing with enterprise

#### Key Benefits

- ✓ Increases quoting capacity and sales opportunities by delivering fast and accurate sales quotes
- ✓ Increases design reuse and reduces engineering cycle times
- ✓ Automates generation of accurate bill of materials and routings including cost roll-ups
- ✓ Eliminates / reduces engineering clerical work
- ✓ Provides accurate and timely enterprise information

#### Reuse Rather than Re-Create – Quit Reinventing the Wheel!

"Without the Global Edge – Product Configurator, we would need to create hundreds of bill of materials (the list of damper components), which requires hundreds of engineering and clerical hours to create and maintain. Orders that once took up to four hours are now processed within 20 seconds."

Steve Yoder, Damper Cell Manager  
Johnson Controls – Watertown, Wisconsin

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## Automated Quoting

**Global Edge – Automated Quoting** is the premier quoting system for the sheet metal fabrication industry, including custom products that delivers unmatched capabilities. **Global Edge** helps your company increase quoting capacity, expand sales opportunities and increase profitability by delivering fast, accurate sales quotes.

### Automated CAD Part Dimension / Parameter Analysis

- ✓ Automated CAD part / customer drawing analysis
- ✓ Automated analysis of part size, cutout type and count, bend type and count
- ✓ Eliminates manual analysis of parts for quoting

### Automated Delivery Time Estimation / Quantity Pricing

- ✓ Automatically estimates delivery time based on machine tool capabilities
- ✓ Provides profitability versus delivery time options
- ✓ Automatically generates quantity pricing based on actual production costs



## Automated CAD Model Generation

**Global Edge – Automated CAD Model Generation** provides the ability to automatically generate CAD models / drawings for quoting, design and production based on customer specifications. This works in conjunction with the Automated Product Configuration capabilities built into the **Global Edge** system.

### Automated Sales Quote Drawing Generation

- ✓ Generates CAD models based on quote parameters
- ✓ Generates accurate and timely sales quote drawings

### Automated Engineering CAD Model Generation

- ✓ Generates CAD models based on design parameters
- ✓ Eliminates manual resizing of CAD models / drawings

### Automated Flat Pattern Drawing Generation

- ✓ Automatic generation of DXF files from 3D CAD models
- ✓ Automated part resizing based on machine tool parameters and capabilities



## Advanced BOM Management

**Global Edge – Advanced Bill of Materials Management** provides advanced functionality that is designed effectively to manage parts, assemblies, products and routings from initial design to final product shipment. This includes direct integration with CAD and ERP to provide accurate and timely information throughout the enterprise.

### Centralized Bill of Materials Data Warehouse

- ✓ Provides single version of truth bill of materials database
- ✓ Provides automated part numbering
- ✓ Provides powerful “where-used” functionality that increases design reuse while eliminating duplicate and orphan parts

### Automated Engineering Calculations

- ✓ Provides simplified method to incorporate simple-to-complex engineering rules into design process



## Automated Product Configuration

**Global Edge – Automated Product Configuration** automates the process of configuring simple-to-complex products to reduce engineering cycle times and provide your customers with more product options. **Global Edge** automates the task of creating multi-level product assemblies including routings and cost roll-ups.

### Automated Bill of Materials Generation

- ✓ Automated configuration of simple-to-complex parts
- ✓ Automatically generates accurate bill of materials

### Automated Parameter / Dimension Generation

- ✓ Automatically sizes parts within valid product limits
- ✓ Automatically generates parameters to drive automated CAD model generation

### Automated Material & Process Cost Roll-Ups

- ✓ Automatically generates sales quote cost roll-ups based on material, machine and process costs



## Automated Routing Generation

**Global Edge – Automated Routing Generation** provides an automated method to generate routings based on CAD part parameters and the capabilities of your shop floor machine tools. This also includes determining the most cost effective route to manufacture a part based on material and production run quantity.

### Automated Part Dimension Analysis

- ✓ Automated routing generation from CAD drawing part parameters
- ✓ Automated machine tool selection based on cost and/or delivery time

### Automated Material / Blank Size Selection

- ✓ Automatic selection of material based on cost and performance requirements
- ✓ Automatically selects most efficient blank size
- ✓ Automatically determines when custom blank required



## CAD to ERP Integration

**Global Edge – CAD to ERP Integration** provides a dynamic, two-way link between your CAD bills of materials, routings and your ERP system that eliminates the retyping of this information. As parts and assemblies are added or removed in your CAD models, the bill of materials in your ERP system is automatically updated.

### Automated CAD to ERP Integration

- ✓ Automatically synchronizes CAD bill of materials with ERP bill of materials
- ✓ Eliminates retyping engineering data into ERP system
- ✓ Reduces / eliminates engineering clerical work

### Automated Production Work Queue

- ✓ Automatically generates DXF flat files based on daily production orders
- ✓ Automatically resizes CAD model / drawing based on machine tool part routed to
- ✓ Eliminates manual preparation of shop floor drawings