

Global Edge[®] 2020 – Integrated Manufacturing
The Power to Succeed in a Global Market



Helping Transform Engineering & Manufacturing ...

www.idcglobal.com

Global Edge® 2020 – Integrated Manufacturing is an innovative, affordable, and practical to implement cloud or server based **“Out-of-the-Box”** software solution that works with and supplements your existing software technologies. **Global Edge** significantly reduces engineering time and increases capacity throughout the quoting, engineering, and manufacturing workflow process. **Global Edge** saves manufacturing companies thousands of hours annually with capabilities and results that include:

- **Automated Quoting / CRM**
 - Automated Sheet Metal Parts Analysis
 - Produce Fast, Accurate Sales Quotes
 - Increase Quoting Capacity
- **Automated Product Configuration**
 - Automatic Configuration of Simple-to-Complex Products
 - Automatic Generation of Bill of Materials & Routings
 - Automatic Material & Process Cost Rollups
- **Automated CAD Model Generation**
 - Eliminate Manual Resizing of CAD Models / Drawings
 - Automated Sales Quote Drawing Generation
 - Automated Production Work Queue / Part Numbering
- **Advanced Bill of Materials Management**
 - Eliminate Duplicate & Orphan Parts
 - Advanced Part and Assembly / Where-Used Search
 - Automatic Part Number Generation / Check-Out
 - Single Version of Truth Bill of Materials Database
 - Reduce Reliance on Engineering Tribal Knowledge
- **Automate Routing Generation**
 - Automated Machine Tool / Process Selection
 - Automated Material / Blank Size Selection
 - Automated Sheet Metal Nesting
- **Integrate Engineering with Enterprise**
 - Eliminate Retyping Engineering Data into ERP System
 - CAD BOM Synchronized with ERP Bill of Materials



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*

Global Edge works with your existing technologies to streamline and simplify the Quoting, Engineering, Manufacturing workflow process.

This includes an innovative “Configuration Engine” that works with your:

- **CAD Parts / Assemblies**
- **Quoting Spreadsheets**
- **Customer Specifications**
- **Existing Configurator**



**“Single Version of Truth”
Engineering & Manufacturing
Data Warehouse**

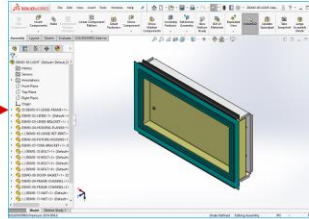
Speed up your workflow from quoting to final product shipment ...

“Save thousands of engineering hours annually with software that can be implemented in smart, practical steps ...”

Reduce Quoting Time from Hours to Minutes ...



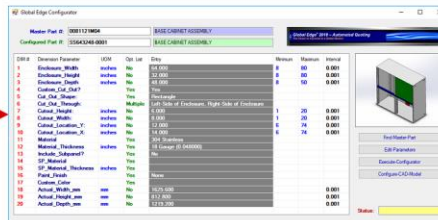
Automated Quoting / CRM



Automates Configuration of Simple-to-Complex Products ...



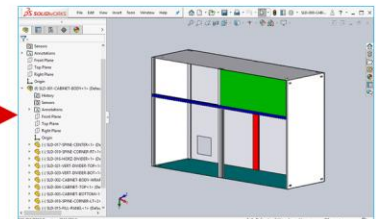
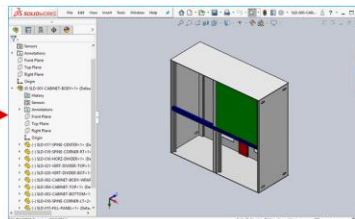
Automated Product Configuration



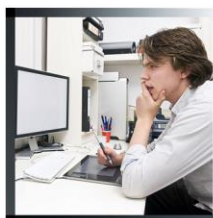
Eliminates Labor Intensive Engineering Tasks ...



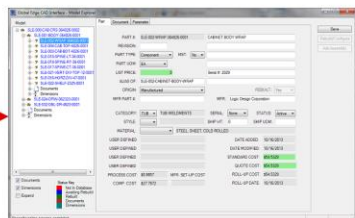
Automated CAD Model Generation



Provides Consolidated Single Version of Truth Bill of Materials ...



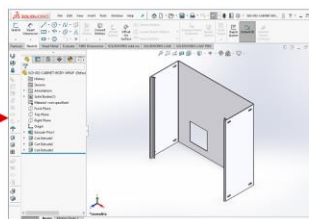
Advanced BOM Management



Generates Optimal Routings Based on Cost or Delivery Times ...



Automated Routing Generation

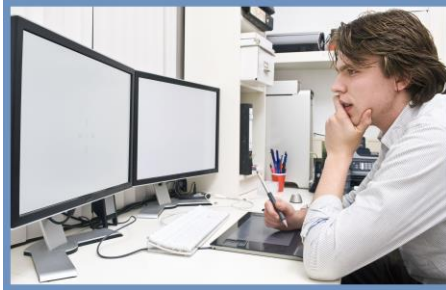


Automatically Determines Best Route to Fabricate Part

PART A	PART B	PART C
SHEAR	LASER	PUNCH-PART
PUNCH-PART	PANEL-BEND-FORM	DEBURR-HAND
DEBURR-AUTO	GRAIN	ROLLFORM
FORM	INSTALL-PEM-STUD	VIBRA-DEBURR
HEM-AND-FLATTEN	TIG-WELD	RIVET
INSTALL-PEM-NUTS	JITTERBUG	SCREW
MIG-WELD	PAINT	GRIND
GRIND	FINAL-INSPECT	GRAIN
FINAL-INSPECT	PACKAGE	OUTSOURCE-PAINT
PACKAGE		FINAL-INSPECT
		PACKAGE

Increase engineering capacity and eliminate duplication of effort ...

Helping Transform Engineering & Manufacturing ...



Software




Technology



Integration

Founded in 1983, Logic Design Corporation (LDC) is a technology integration and software development company that specializes in innovative software solutions to improve productivity and increase engineering capacity. LDC provides an innovative suite software tools and programming services developed over the years solving some of the toughest engineering and manufacturing productivity challenges faced by manufacturers. LDC delivers smart, practical to implement solutions that have resulted in savings of thousands of engineering hours annually for our customers.

Logic Design Corporation can help your company save thousands of engineering hours annually while increasing engineering capacity. This starts with the six key areas of workflow automation that includes:

-  **Automated Quoting / CRM**
“Reduces Quoting Time from Hours to Minutes!”
-  **Automated Product Configuration**
“Automates Configuration of Simple-to-Complex Products!”
-  **Automated CAD Model Generation**
“Eliminates Labor Intensive Engineering Tasks!”
-  **Advanced BOM Management**
“Eliminates Duplication of Effort and Information!”
-  **Automated Routing Generation**
“Generates Optimal Routings Based on Cost and/or Delivery Times!”
-  **CAD to ERP Integration**
“Automatically Synchronizes CAD Bill of Materials with ERP Bill of Materials!”

Real World Results and Successes ...



“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



“The marketplace for 100% automatic program generation (folding machines & press brakes) does not exist. **Global Edge** was the “missing link” that allowed us to expand our manufacturing technologies and capabilities. This has resulted in a savings of 1,000’s of man hours per year in our Engineering & Programming departments.”

Adam Popchock, Senior Manufacturing Engineer
Cooper Power Systems, Waukesha, Wisconsin



“Within one year of implementing **Global Edge** the time from order entry to shipment of customer power supplies decreased from four months to three weeks.”

John Garcia, V.P. Engineering
Lambda Electronics, Inc. – Melville, New York