OmegaCube ERP
Integration

Data Sheet

◀▬▶ Integration Capabilities

OmegaCube ERP can be integrated with Nesting, Bar-code, RFID, Shipping, E-Commerce, EDI, CAD Design, Email & Documentation applications.

With this, manufacturers and distributors can automate critical manufacturing workflows, streamline operations, achieve greater real-time visibility, reduce overhead costs, achieve maximum productivity & utilization of machines, manpower and material.
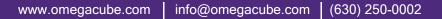
Bar Code

- Supports several bar-code devices i.e. connected, wireless and portables for enhanced mobility.
- Efficiently manage receiving, shipping, labor reporting & production reporting.
- In-built customer specific, automated bar code labels & reports.
- Aids in efficient employee shop data collection.
- Supports 1D and 2D bar-code printing & reading.
- Can be integrated with Kanban & Serialized Inventory.
- Can be integrated with Zebra, Bartender, Wasp or native software.

Nesting

- Send processed work orders with appropriate BOM from ERP to nesting applications (SigmaNest and ProNest).
- Send work order, inventory data, work center details & nesting layout from ERP to nesting applications.
- Auto-import of parts cut information, cutlist details, material drops, scrap generated details from nesting to ERP post job completion.
- Capture completions, part weight, labor and drop information from machine controller through XML interface.
- Get triggers from machine at each stage of parts cutting allowing you to get real-time job update.
- Automated order creation, prioritization and dynamic nesting for single order or a batch of orders.
- Based on order-due date, auto-prioritize each order or combine multiple hot orders in a single nest layout.
- Auto-update of inventory levels & Work Order with nesting details, parts cut information, material costs/order etc.

OmegaCube Technologies

Shipping & Logistics

- Two-way interface with shipping and logistics applications such as UPS, FedEx, USPS and Starship
- Send address, weight information and receive shipping charges, actual weight and tracking numbers.
- Configurable pick-list processing with fulfillment processes to fit your needs.
- Schedule drivers and decide shipping routes.
- Implement One-click invoicing process & print customer-specific labels.
- Send tracking information to customers.
- Generate material certifications, Bill of Lading and relevant shipping documentation.

CAD Design

- Import Bill of Materials (BOM) from CAD software such as AutoCAD, SolidWorks, etc.
- Import material data from Cabinet Vision.
- Keep inventory up-to-date with the help of imported BOMs from CAD software.
- Incorporate design changes via the CAD interface and update it to the ERP.
- Auto-update of design changes & requirements to master design documents, sales orders, and work orders.
- Share designs with customers and suppliers through EDI.
- Attach drawings, specifications, notes, etc. to the configured product.
- Define a multi-level bill of material using templates or from scratch.

RFID

- Automated shop data collection with minimal employee interference.
- Best suitable for serialized or lot-controlled environments.
- RFID printing on Zebra printers.
- Works with IMPINJ & Think Magic RFID readers.

Electronic Data Interchange (EDI)

- Transact with trading partners for order, releases, ASN and Invoices.
- Connect to on-premises or online EDI translation packages.
- Use an excel based EDI processor for trading partners where only a download is available.
- Automatically compute net change in demand.
- Benefit from automatic integration into MRP and scheduling modules.
- Utilize exception handling workbench to evaluate supply shortages.
- Multiple EDI interface options – Direct, Text, XML based.
- Hosted option supported.

E-Commerce

- Place orders via online e-commerce shopping platform.
- Real-time order information update on the ERP software.
- Real-time inventory checks and reconciliation as and when orders are placed & delivered.
- Auto-creation of Work Order based on the Sales Order.
- Enable shipment details and tracking for the customer on the portal itself.
- Instant invoice generation and accessibility to customers on the portal.
- Auto notifications to customers in case of shipments and tracking product delivery.
- Add multiple e-commerce/online and offline stores for multiple product lines.
- In-depth data analytics such as, buying behavior, product movement, and no. of sales along with demographic breakup.
- Multiple payment modes for customers.

Machine Interface

- Track machine utilization, machine health and determine Overall Equipment Effectiveness (OEE).
- Integrate and receive data from machines using Modbus serial or TCP/IP protocols.
- Customizable XML, CSV, Text or SQL interfaces into machine controllers.
- XML based interface to receive parts data from Laser machines.

Document Management

- Document repository linked to all transactions and records.
- User defined folder structure for document repository.
- Attach any type of document.
- User defined tags to catalog documents Document search based on tags.

Email

- Emailing using native software.
- User-configurable emailing of sales orders, purchase orders, invoices and any other standard forms.
- User defined Email templates and dynamic merges.
- Attach documents from document repository or on a computer.
- Automatic log of emails sent from the system and ability to search for specific emails.

MS Office Integration

- Integration with Word and Excel.
- Mail merge letters, labels, envelopes.
- Develop mailing lists.
- Use word templates.

Since 1999, OmegaCube has consistently believed in building and delivering powerful products with a single philosophy,

No two companies operate exactly the same, and they need flexibility in their systems in order to sustain their competitive edge, always.

Begin your first step towards business growth through automation!
Get in Touch with us today.