

DaVinci Works

Window Production Manager System



DaVinci Works 2.1

A completely integrated, end-to-end software solution specifically designed for the Window and Door Industry

A comprehensive modular package from Electronic Data Interchanges for Dealers' Estimates and Orders all the way to Shipping and Invoicing

CUSTOMERS

CUSTOMER MANAGEMENT

Setting up the Customer Management module is the first step required by the DaVinci system.

Set up your customer database with all of the information required by DaVinci Works – customer names, addresses and contacts.

Individual customer pricing and discount schedules, truck routes and customer specific defaults are input. These drive the estimate and order managers.

ESTIMATES

ESTIMATE /ORDER MANAGER

This module allows your dealers to electronically input their own estimates, complete with drawings and pricing, directly to you with automated receipt confirmation. This feature also facilitates immediate price changes and promotional specials to be downloaded directly from your website or by email attachment.

Create estimates for your customers from the estimate manager engine designed with your window styles and options. As simply as *Click* the window type, type in quantity and dimensions, *Click* draw and price!

Based on customer specific defaults (i.e. credit limit, discounts, promotions) estimates can be automatically converted to an order, eliminating data re-entry and inputting errors leading to potential disputes.

Orders can automatically be input to the shop floor as production runs based on the Production Manager's scheduling priorities (Truck route, window type, material availability etc).

Generate scannable labels for inventory control, parts tracking, and packaging, warehousing and shipping.

Disseminate production runs to various manufacturing departments.

Data is automatically converted for export to virtually all makes of automated equipment with cutting lists optimized

subject to pre-determined customer defaults based on material lengths and allowable waste.

Bin identifiers are displayed and included on the appropriate labels.

MATERIAL BREAKDOWN

The Material Breakdown module takes the data from the orders and calculates the individual components required to construct the window.

Unprocessed Order items are displayed on the screen

Items can be sorted by various means -- Order Number, Truck route, Window type, Required Date and Order Date

The quantity of each window type is displayed for the chosen items. This can be used to balance production if required (e.g. fixed windows required less time to produce than casement windows, hence the production manager may want to process more fixed units versus casements per production run).

The program iterates through the selected items and calculates all of the components required to produce the units.

Bin numbers are assigned to all the units selected for processing. These numbers will be used to keep track of the entire production run so all processed pieces can be matched to the proper unit.

Once processed, several options are available:

BREAKDOWNS CLOSE

ORDER DETAILS

| Order # | Item | Quan | Wind_Type | GLASS | OrderDate | RequiredDate | Truck |
|---------|------|------|---------------|--------------------------------|------------|--------------|-------|
| 2343 | 23 | 1 | Special Shape | Clear*Double*Aluminum SpacerLP | 10/28/2003 | 11/7/2003 | Z |
| 2343 | 16 | 2 | Special Shape | Clear*Double*Aluminum SpacerLP | 10/28/2003 | 11/7/2003 | Z |
| 2343 | 15 | 3 | Special Shape | Clear*Double*Aluminum SpacerLP | 10/28/2003 | 11/7/2003 | Z |
| 2344 | 35 | 1 | Special Shape | Clear*Double*Aluminum SpacerLP | 10/28/2003 | 11/7/2003 | Z |
| 2344 | 33 | 1 | Special Shape | Clear*Double*Aluminum SpacerLP | 10/28/2003 | 11/7/2003 | Z |
| 2344 | 31 | 1 | Special Shape | Clear*Double*Aluminum SpacerLP | 10/28/2003 | 11/7/2003 | Z |
| 2344 | 32 | 1 | Special Shape | Clear*Double*Aluminum SpacerLP | 10/28/2003 | 11/7/2003 | Z |
| 2344 | 36 | 1 | Special Shape | Clear*Double*Aluminum SpacerLP | 10/28/2003 | 11/7/2003 | Z |
| 2344 | 34 | 2 | Special Shape | Clear*Double*Aluminum SpacerLP | 10/28/2003 | 11/7/2003 | Z |
| 2345 | 22 | 2 | Special Shape | Clear*Double*Aluminum SpacerLP | 10/28/2003 | 11/7/2003 | Z |

Total Units: 0

CLEAR 3 mm: 0 CLEAR 4 mm: 0 CLEAR 5 mm: 0 CLEAR 6 mm: 0
 FROST 3 mm: 0 FROST 4 mm: 0 FROST 5 mm: 0 FROST 6 mm: 0
 LOW E 3 mm: 0 LOW E 4 mm: 0 LOW E 5 mm: 0 LOW E 6 mm: 0
 OTHER 3 mm: 0 OTHER 4 mm: 0 OTHER 5 mm: 0 OTHER 6 mm: 0

PROCESS PRODUCTION # Reset Production Number Chosen VIEW PRODUCTION RUN

Sort Order: Ascending Descending

Export to production machinery

- Optimized cutting list exported to automatic cutting machines
- Glass sizes exported for sealed unit manufacturing. Glass slot numbers are generated to keep track of glass belonging to bins.
- Size lists exported to automatic welding machines
- Size lists exported to multiple automatic length stops
- Optimized cutting lists exported for automatic grid machines
- Drilling locations exported to automatic drilling machines

Print product labels

- Window labels with barcode
- Frame labels with bar code if required.
- Sash and Screen labels
- Glass labels
- Special shape and special order labels with bar code

Print production reports

- Multiple cut lists for manual frame cutting
- Multiple cut lists for manual sash cutting
- Special architectural shapes pieces are printed
- Reports for piece cutting including external and internal add-ons.

INVENTORY CONTROL

Every piece of material required in the manufacturing and support process can be tracked by the inventory control.

A unique ID is given to the pieces and a barcode is generated. Some external suppliers already provide ID with barcodes in which case these can be used.

Individual costs and minimum order quantities can be used to provide up to the minute inventory values.

When receiving, the barcode is scanned and the value added to inventory

When taken from the inventory warehouse the barcode is scanned and the value removed from inventory

Data logging is used to minimise misuse, and the inventory scanning is controlled by authorized users by means of a password

Purchase Orders are generated automatically for the individual suppliers based on minimum inventory levels

Received inventory is easily checked against issued purchase orders.

Inventory levels are automatically checked to insure that you never run out of stock.

Inventory use can be easily viewed to better-forecast material purchases.

REPORTS

REPORT MANAGER

DaVinci can generate printable reports, customized to your requirements, at any stage and based on any stored data parameter, from commencement of the estimate to the completed shipment.



DaVinci Works for

WAREHOUSING AND SHIPPING

Upon completion of production, a Packing Slip is generated and scanned with a warehouse location identifier to facilitate retrieval and coordination of completed orders for shipping.

As the orders are grouped for loading, shipping labels are scanned. Bills of Lading (if required) are automatically produced and invoices generated.

YOU!

OPTICUT TECHNOLOGY

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