

DWOS



16.1.1

New Features

- Process Level Pricing
- General Accounting Codes
- Ship To locations
- Bulk Custom Fields
- Integrated Webcam
- Database Backup Scheduler
- Rate, Labor, Markup, Overhead, and Material cost Calculators
- Advanced Quoting Calculator
- Volume Discount Pricing

Process Level Pricing

Process Level Pricing allows users to organize and distribute the price of a part by its associated processes. This allows users to assign an *Each* or *Lot price* for each process applied to the part. This pricing tool can be accessed within the Quote and Parts Manager. Along with the pricing enhancement, we have given users the ability to add Accounting codes to each process. These codes will ensure that the separated monies from your processing are distributed into your accounts accurately. Department metrics can be viewed in the *Revenue by Department* tab inside the *DWOS Process Revenue Report*.

Process Level Pricing

Media: B11FE3372ADB3A59E4783C5B37

Processes:

Name	Each	Lot
ASTM E 1417 (Rev. 05) Penetrant Inspection, Type 1, Method A, Sensitivit...	\$0.15	\$15
MIL-F-18264 Finishes, MIL-PRF-85285, Black, Color # 37038(One Coat). R...	\$0.2	\$20
MIL-A-8625 (Rev. F1) Sulfuric Acid Anodizing Type II, Class I (200B)	\$0.25	\$25
SS8483 (Rev. 4) Sulfuric Acid Anodize, Type II, Class 1 (SEALED)	\$0.3	\$30
NDTS-1101 (Rev. H) Pre-Penetrant Etch	\$0.4	\$40
MIL-F-18264 (Rev. D) AMS-C-27725 (Rev. C)	\$0.45	\$45
	\$1.75	\$175.00

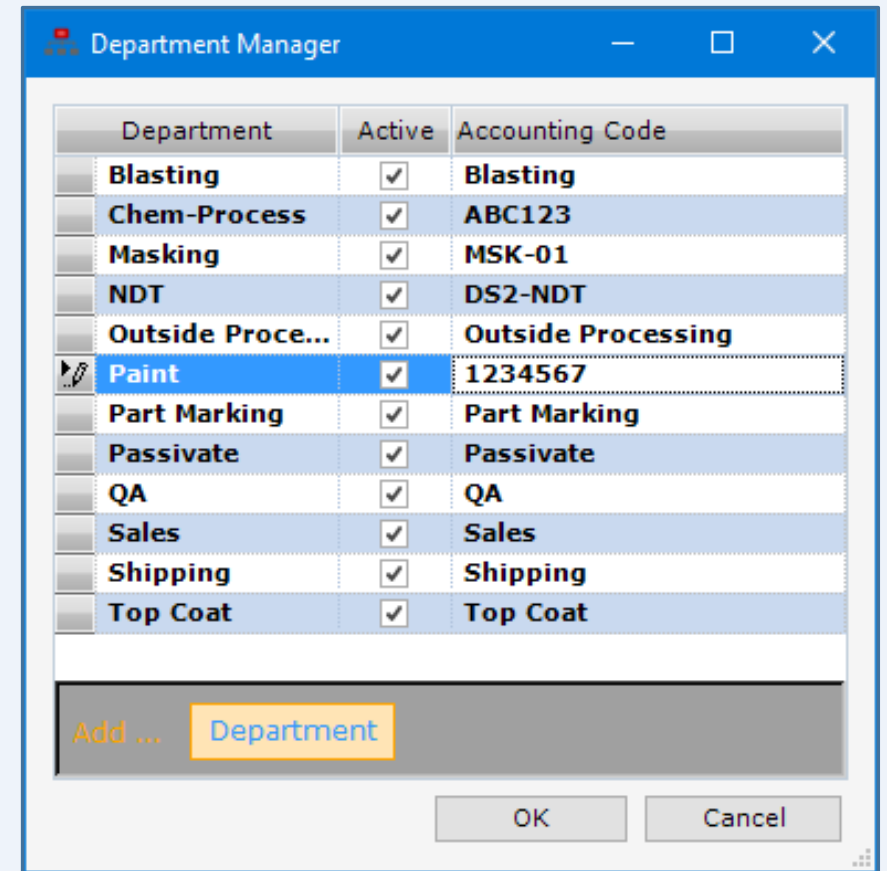
[Help](#)

Each and Lot prices for each process can be set from the Quote and Parts Manager

Each	Lot
\$0.18	\$10.00
\$0.22	\$12.00
\$0.30	\$14.00
\$0.28	\$12.00
\$0.98	\$48.00

Accounting Codes

Assigning a code to each Department will ensure the revenue will follow the order from Quoting through the DWOS Export Invoices Tool and into designated accounts. This will give you the ability to accurately gauge Department Revenue within DWOS and Accounting Systems. Department Accounting codes can be utilized by QuickBooks users as well as customers exporting invoices to a .CSV (excel) format. The Department codes can be assigned from the Department Manager under the Administration Tab.



The screenshot shows a window titled "Department Manager" with a table containing the following data:

Department	Active	Accounting Code
Blasting	<input checked="" type="checkbox"/>	Blasting
Chem-Process	<input checked="" type="checkbox"/>	ABC123
Masking	<input checked="" type="checkbox"/>	MSK-01
NDT	<input checked="" type="checkbox"/>	DS2-NDT
Outside Proce...	<input checked="" type="checkbox"/>	Outside Processing
Paint	<input checked="" type="checkbox"/>	1234567
Part Marking	<input checked="" type="checkbox"/>	Part Marking
Passivate	<input checked="" type="checkbox"/>	Passivate
QA	<input checked="" type="checkbox"/>	QA
Sales	<input checked="" type="checkbox"/>	Sales
Shipping	<input checked="" type="checkbox"/>	Shipping
Top Coat	<input checked="" type="checkbox"/>	Top Coat

At the bottom of the window, there is an "Add ..." button and a "Department" button. The "Department" button is highlighted with a yellow border. At the bottom right, there are "OK" and "Cancel" buttons.

Ship To Addresses

With the addition of Ship To addresses, users now have the abilities to add multiple shipping addresses per customer. Any of the additional addresses may be selected as the default shipping address. The customer billing address will be the default shipping address if additional ship to addresses are not required.

Ship to addresses may also be edited from the shipping dialog. The *'CustomerShipTo'* permission must be enabled before a user can edit a Ship to address.

The screenshot displays the 'Customer Manager' application window. The 'Ship To' tab is active, showing a list of customers on the left and a 'Customer Information' dialog on the right. The dialog has three tabs: 'General', 'Fields', and 'Ship To'. The 'Ship To' tab is selected, showing a list of shipping addresses for the customer 'Boeing'. The selected address is 'Boeing' with the following details:

Name:	Boeing	<input type="checkbox"/> Default
Address 1:	7792 N 9th St	
Address 2:	Ste 411	
City, State, Zip:	St. Louis	MO 65433

At the bottom of the dialog are 'OK', 'Cancel', and 'Apply' buttons. A 'Help' link is visible in the bottom left corner of the application window.

Bulk Custom Fields

Bulk Custom Fields have identical performance to standard Customer

Custom Fields; the only difference being Bulk Custom Fields can applied to multiple or all customers. As with standard Custom Fields, Bulk Fields can be used to collect unique or specific order information. Bulk custom fields can be required in Order Entry, and can also be added to Work Order Travelers and CoC's.

Select the Customers node to add Custom Fields to all Customers, or use multi select (Ctrl+select and/or drag) to choose customers

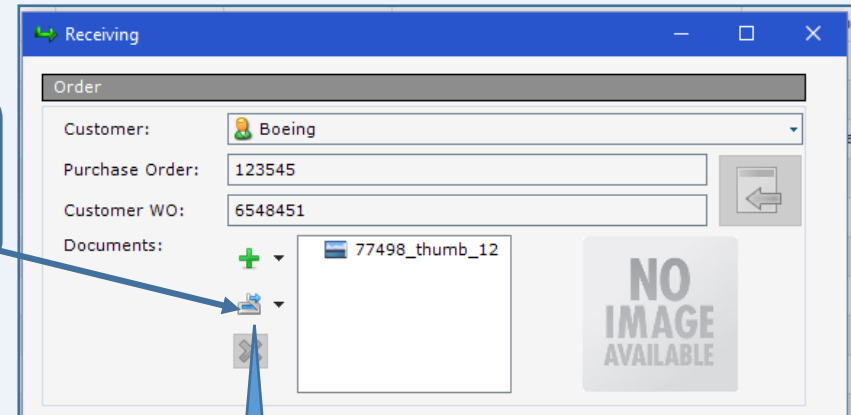
Select New Custom Field to apply to Customer Information

The screenshot displays the 'Customer Manager' application window. The 'Home' ribbon is active, showing several icons: 'New Customer', 'New Contact', 'New Shipping Method', 'New Part Marking', 'New Custom Field', 'Display Inactive', 'Delete', and 'Copy'. The 'New Custom Field' icon, which features a checkmark, is highlighted by a blue callout box. Below the ribbon, a tree view on the left shows a hierarchy of 'Customers' with 'Boeing' selected. The 'Customer Information' dialog box is open, showing the 'Fields' tab. The 'Name' field is set to 'Boeing' and is checked as 'Active'. Other fields include 'Address 1' (7792 N 9th St), 'Address 2' (Suite 412), 'City, State Zip' (St. Louis, MO, 65433), 'Terms' (Net 30), 'Standing' (Good Standing), 'Lead Time' (10), 'Priority' (Normal), 'Invoicing' (Email checked), 'Invoice Level' (Default), 'Uses Order Review' (checked), 'Accounting ID', and 'Print COC in Final Inspection' (checked). A 'Notes' text area is at the bottom. At the bottom of the dialog are 'OK', 'Cancel', and 'Apply' buttons.

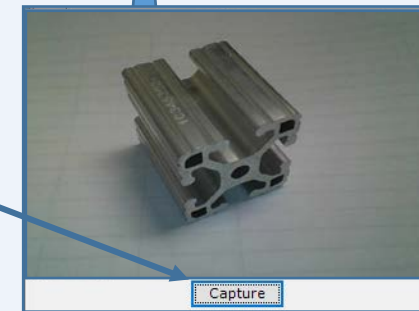
Integrated Webcam

DWOS now has the ability to integrate with your connected Webcam. This feature will allow the user to capture a part image, masking template, or racking instruction without leaving DWOS. From the Media box in the Parts Manager or Receiving dialogue, selecting the Scanner button will now also activate the webcam where images can be captured and attached to the part or order with one click. To view the preview pane while using the Integrated Webcam, simply check the box for 'Use Full UI' (User Interface) in the media settings dropdown menu.

Selecting the Scanner icon will open the Webcam dialogue

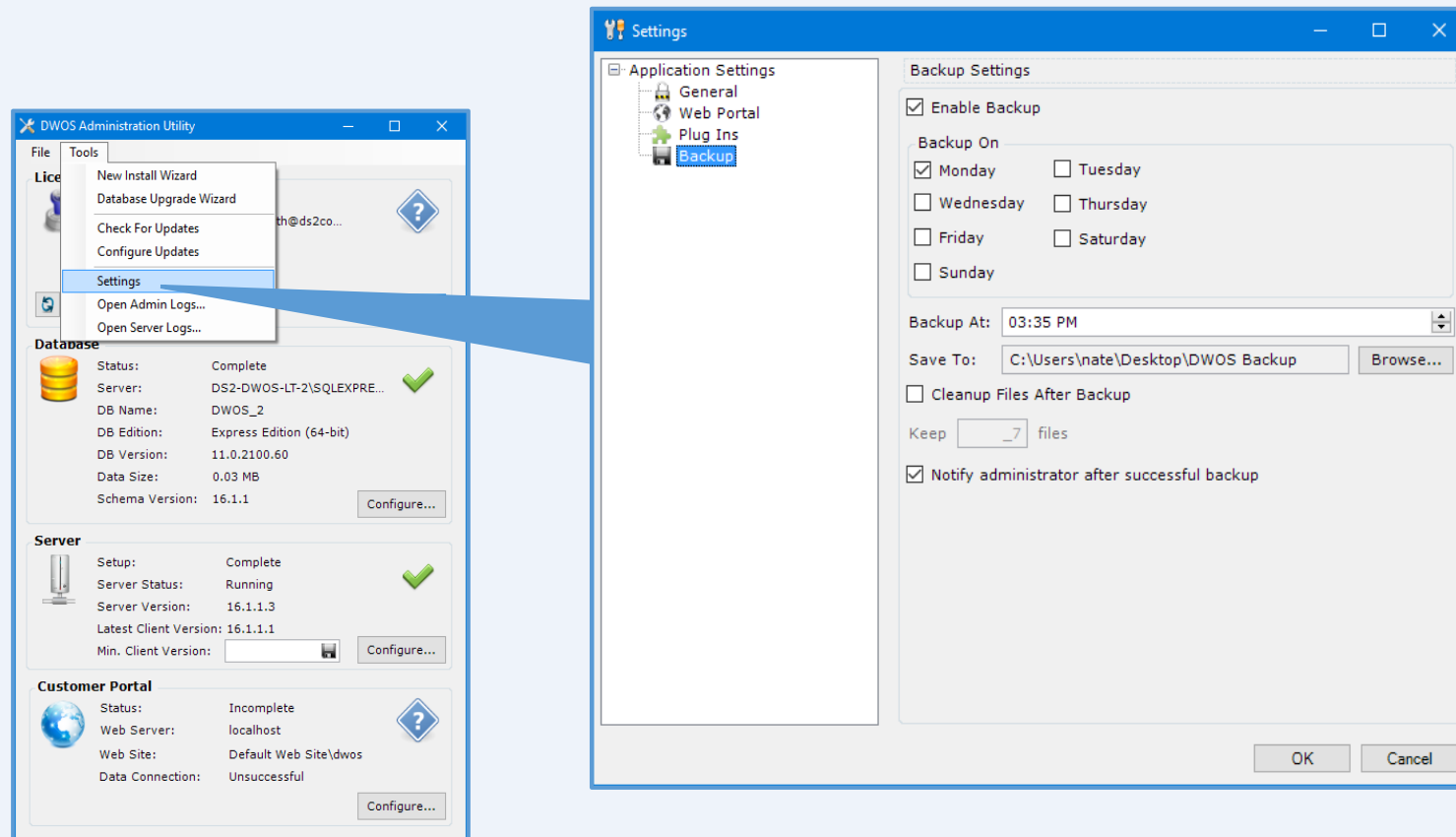


Choosing "Capture" will automatically add the image to the part



Backup Scheduler

The DWOS Backup Scheduling Tool allows users to Schedule system backups by specific time and date on a recurring basis. It can be accessed from the Server Administrator Tool under the Settings tab.



Advanced Calculator

The DWOS Advanced Calculator was designed to support customers with automated or consistently timed processes. Using simple shop metrics, DWOS will calculate your exact per-piece price. We have designed individual calculators to assist users in determining the following metrics:

- *Rate*
- *Labor Cost*
- *Material Cost*
- *Overhead Cost*
- *Markup.*

Selecting the Calculator icon next to each field, opens a dialogue to determine each specific metric

The screenshot displays the 'Price' window with the following fields and values:

- Rate (Per Hour): 1100
- Material Cost: \$47.29200
- Markup: \$3.83400
- Each Price: \$1.00000
- Lot Price: \$100.00000
- Fees: \$75.00000
- Media: (empty list)
- Labor Cost: \$0.04180
- Overhead Cost: \$0.59090

The 'Labor Cost' dialog box is open, showing a table of labor types and wages:

Labor Type	Wage	Count
Loader	\$11.00	2
Unloader	\$10.00	1
Inspector	\$13.00	1

Summary values in the dialog box:

- Hourly Labor Cost: \$45.0000
- Parts Per Hour: 960
- Hourly Labor Cost Per Part: \$0.0469

Buttons: OK, Cancel

Advanced Calculator

Rate Calculator

Minutes Per Hour: 60 × Feet Per Minute: 4 ÷ Rack Spacing (Feet): 2 = Racks Per Hour: 120

Bars Per Rack: 2 × Parts Per Bar: 4 = Parts Per Rack: 8

Racks Per Hour × Parts Per Rack = Parts Per Hour: 960

OK Cancel

Labor Cost

Labor Type	Wage	Count
Loader	\$10.50	2
Quality	\$12.75	1

Hourly Labor Cost: \$33.7500

Parts Per Hour: 960

Hourly Labor Cost Per Part: \$0.0352

Material Cost

Material Cost Per ft²: \$0.35

Surface Area of Part (ft²): 0.15

Material Cost Per Part: \$0.0535

OK Cancel

Overhead Cost

Overhead Cost Per Hour: \$530.0000

Parts Per Hour: 960

Hourly Overhead Cost Per Part: \$0.5521

OK Cancel

Markup

Name	Amount	Markup Type
Profit	0.0900 %	Percentage
* International	\$0.0500	Fixed

Total Cost Per Part: \$0.6400

Total Markup Per Part: \$0.0506

OK Cancel

Rate (Per Hour): 960 Labor Cost: \$0.04

Material Cost: \$0.05 Overhead Cost: \$0.55

Markup: \$0.05

Volume Discount Pricing

Volume Discount Pricing allows users to assign multiple price points for varying order quantities. After setting quantity ranges in the Parts Manager, DWOS will select the correct price based on order quantity. Volume Discount Pricing can be turned on or off via the Pricing node in the DWOS Administration Settings.

The screenshot displays a software interface for managing processes. On the left, a 'Processes:' sidebar contains icons for adding, deleting, printing, and editing. The main area shows a table with columns for 'Name', 'Lot (1-50)', 'Each (51-200)', 'Each (201-500)', and 'Each (501+)'. The table lists several processes with their respective prices for different quantity ranges. A summary row at the bottom shows total prices for each category: \$132.00 for Lot, \$1.13 for Each (51-200), \$0.99 for Each (201-500), and \$0.82 for Each (501+).

Name	Lot (1-50)	Each (51-200)	Each (201-500)	Each (501+)
BAC 5786 (Rev. J) Pre-Penetrant Etch	\$18	\$0.15	\$0.13	\$0.1
ASTM E 1417 (Rev. 05) Penetrant Inspection, Type 1, Method A, Sensitivity Level 3	\$18	\$0.18	\$0.16	\$0.14
OSP-1	\$28	\$0.25	\$0.23	\$0.2
MIL-F-18264 Finishes, MIL-PRF-85582. Primer. Rev-D	\$50	\$0.3	\$0.25	\$0.2
MIL-F-18264 Finishes, MIL-PRF-22750, Flat Black, Color # 37038 (two coats). Rev-D	\$18	\$0.25	\$0.22	\$0.18
	\$132.00	\$1.13	\$0.99	\$0.82

An 'Edit Price Points' dialog box is open, showing the 'Part' as 00421-95 and 'Price By' set to 'Quantity'. The dialog has a list of quantity ranges on the left: 1-50 (Lot), 51-200 (Each), 201-500 (Each), and 501+ (Each). The '1-50 (Lot)' range is selected. The 'Calculate By' dropdown is set to 'Lot'. The 'Minimum' is set to 1, and the 'Maximum' is set to 50. There are 'OK' and 'Cancel' buttons at the bottom.

Enhancements

- Extended price units to five decimal places
- Extended weight units to eight decimal places
- Added version label to Data Migration Tool
- Enhanced Ship Date Rollover Selector
- Improved UI speed using Android Tablet
- Added Required Date to Field Chooser on WIP Screen
- Added Replace and Rename function to Document Manager
- Added User Name to file history in Document Manager
- Added Packing Slip number to QuickBooks invoice
- Added ability to update user pin length from Server Admin Settings
- Added Server Admin Log
- Added Custom Fields to Field Chooser on WIP Screen
- Combined Production Details and Production Summary Reports
- Enhanced Quick Print copies in Final Inspection
- Changed default format for webcam images
- Improved UI for capturing webcam images
- Updated CoC settings in Administration Settings
- Added WO number to multi-page documents for traceability

Resolved Bugs

- Fixed login error on Android App
- Fixed Batch Check-in error on Android App
- Fixed Duplicate Fee error
- Fixed error while splitting Batches
- Fixed error adding Custom Fields
- Fixed unknown character error in Company Tagline
- Fixed changing server error
- Fixed ability to split Batched orders
- Fixed problem importing processes
- Fixed value beginning with space error in Process and Parts manager
- Fixed error scanning multiple documents
- Fixed part number error in Final Inspection
- Fixed error with custom fields in QuickBooks
- Fixed error pulling part prices into Order Entry