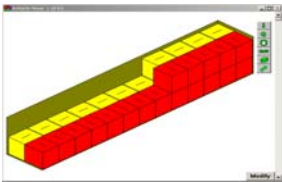
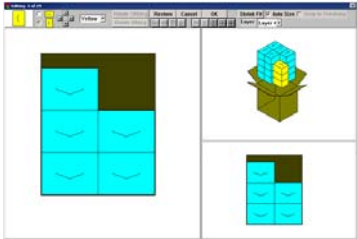
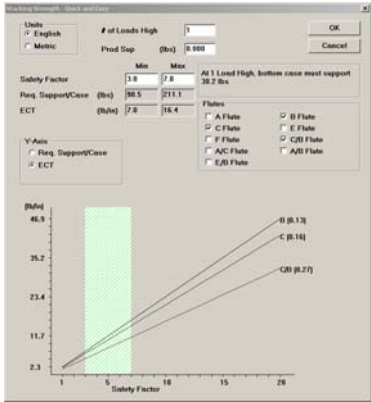
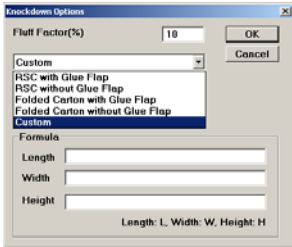
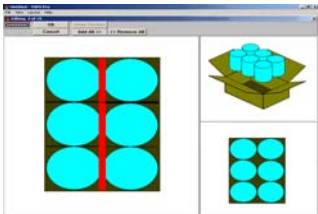
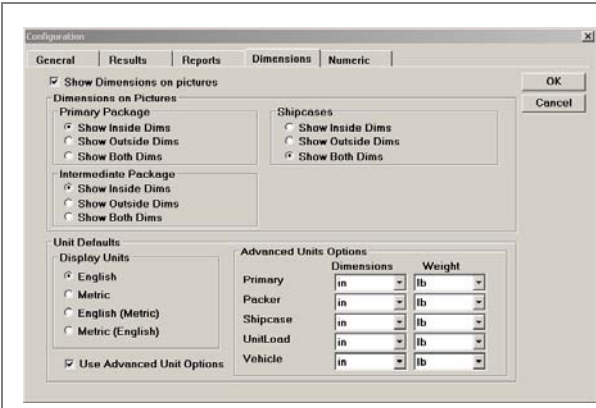
	<p><u>Edit Unitloads inside Trucks</u></p> <p>Similar to editing shipcase contents, users can now manually edit the load inside the truck, in individual layers and single items.</p> <p>After calculating the analysis, the user must click the 'Modify' button in the 'Vehicle View' window in order to open and view the truck in editing mode.</p>	<p><input checked="" type="checkbox"/> TOPS <input checked="" type="checkbox"/> PackStak <input checked="" type="checkbox"/> LoadStak</p>
	<p><u>Allow Partial Truck Layers</u></p> <p>TOPS Pro 6.5 will allow partial layer inside a vehicle in order to meet weight limitation set by the user. Unitloads exceeding weight limit will be removed automatically. To enable this function, users will need to turn on the 'Allow Partial Layers' option in the vehicle parameters dialog box.</p> <p>Vehicle Parameters > Options > Allow Partial Layers</p>	<p><input checked="" type="checkbox"/> TOPS <input checked="" type="checkbox"/> PackStak <input checked="" type="checkbox"/> LoadStak</p>
	<p><u>Improved Modify Option for Shipcase and UL Layers</u></p> <p>Other than being able to modify (rotate, delete, add, change color) items column by column, users can now manipulate individual items "per layer" in a shipcase, interpack or on a pallet.</p> <p>After calculating the analysis, the user must click the 'Modify' button in the 'Intermediate Pack View', 'Shipcase View' or 'UnitLoad View' window in order to open and view the shipcase or unitload in editing mode. Click on the Layer drop list to specify all or individual layer for modification.</p>	<p><input checked="" type="checkbox"/> TOPS <input checked="" type="checkbox"/> PackStak <input type="checkbox"/> LoadStak</p>
	<p><u>Quick Strength</u></p> <p>Aside from stacking strength results with a list of acceptable board grades, TOPS Pro now provides its users a second option to calculate stacking strength. With Quick strength, stacking strength results come in the form of ECT values given the safety factor, number of loads high and amount of product support.</p> <p>After calculating the analysis, click on the 'Strength' button in the 'UnitLoad View' window and then select QStrength in the popup window. This will open the Quick Stacking Strength dialog box.</p>	<p><input checked="" type="checkbox"/> TOPS <input checked="" type="checkbox"/> PackStak <input checked="" type="checkbox"/> LoadStak</p>
	<p><u>Improved Knockdown to handle Non-RSC boxes</u></p> <p>The improved knockdown feature can now be used for boxes other than an RSC box by allowing the user to type in a formula for getting the knockdown dimensions of the box.</p> <p>Primary Pack Parameters > Carton: KnockDown > KnockDown > KnockDown Options.</p>	<p><input checked="" type="checkbox"/> TOPS <input checked="" type="checkbox"/> PackStak <input type="checkbox"/> LoadStak</p>
	<p><u>Custom Dividers</u></p> <p>Users have the ability to control the size (height and width) and also the alignment of the divider within a carton or shipper. After the dividers are defined, they are saved to the database and can be used again in future analyses.</p> <p>After an analysis is calculated, the user must click the 'Divider' option located in the 'Shipcase View' window to access customized dividers area.</p>	<p><input checked="" type="checkbox"/> TOPS <input checked="" type="checkbox"/> PackStak <input type="checkbox"/> LoadStak</p>

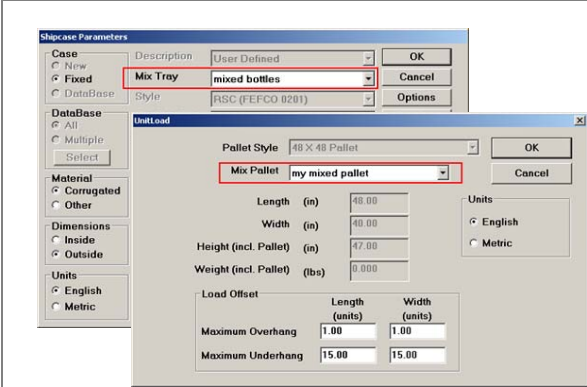


Unit of Measure and Dimension Display Option

Additional options have been added for unit and dimension display. Users can choose to show inside and outside dimensions as well as showing both English and metric values. Please note that if both inside and outside dimensions are to be displayed, TOPS Pro can only show them in either English or metric.

To set the defaults for these options, you must select the 'Dimensions' tab from within the 'Configuration' area (Tools > Configuration > Dimensions).

- TOPS
- PackStak
- LoadStak



Incorporate MixTray and MixPro outputs into TOPS Pro Analysis

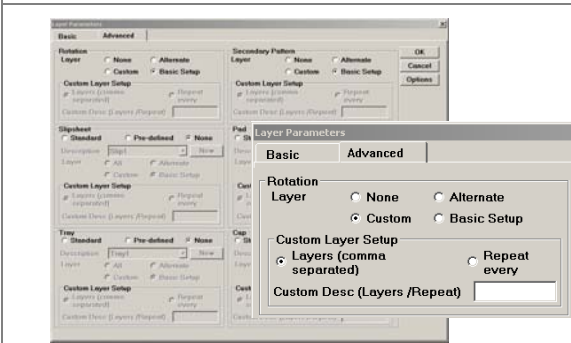
Users can now bring the mixed trays and mixed pallets created with MixPro into TOPS design sequence and use them as shipcase or unitload.

To use, select a Mix Tray from the drop list when using a Shipper to pallet sequence and pick a Mix Pallet from the list for a Pallet to Vehicle sequence.

New MixPro/Mixtray Database

Previous versions of TOPS Pro stored MixTray and MixPal information in external .mxt and .mxp files. TOPS Pro now conveniently stores these within the database, so there are no external files to track or manage.

- TOPS
- PackStak
- LoadStak



Advanced Layer Parameters

Users have more flexible control over layers and layer accessories. The 'Advanced' Layer Parameters allow users to configure, customize layer rotation and secondary pattern as well as defining new slipsheets, trays, pads, caps and more.

Users can specify layers using all, alternate, repeat every x layers or simply entering layer numbers separated by commas like 1,2,5,6,10.

Edit > Layer Parameters > Advanced tab

- TOPS
- PackStak
- LoadStak



Define Pallet Accessories – Pads, Caps, Slipsheets, Trays

'Pallet Accessories' can be defined and customized. This includes pads, caps, slipsheets, and trays. Once these items have been defined, they are saved into the database and available for use in future analyses.

Define > Pallet Accessories

- TOPS
- PackStak
- LoadStak

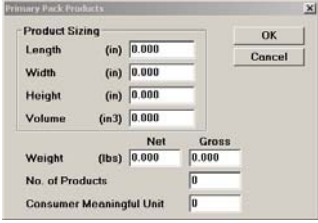

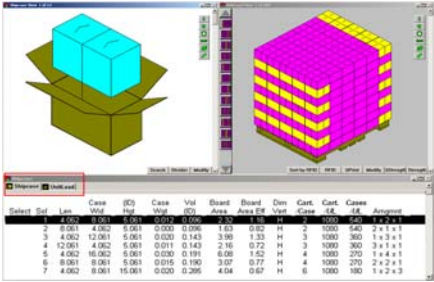
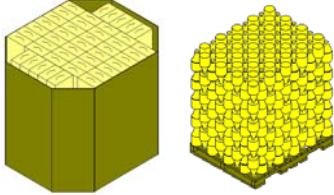
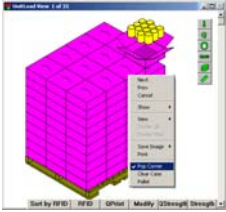
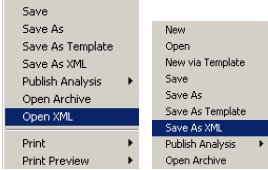
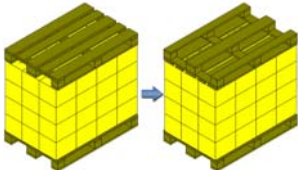


Pallet Report with Wal-Mart Scores

Users can now generate the new 'Pallet Report', which reflects Wal-Mart score along with unit load information.

File > Print > Pallet Report
File > Print Preview > Pallet Report

- TOPS
- PackStak
- LoadStak

	<p>Add Product Dimensions, Volume, Wgt – Going into Primary Pack</p> <p>Users employing the Pallet report to generate unit load details can enter dimensions, volume, and weight for products going into the primary pack. This feature is used to calculate Wal-Mart efficiency values which will reflect in the Pallet report statistics.</p> <p>Primary Pack Parameters > Add Product</p>	<p><input checked="" type="checkbox"/> TOPS <input checked="" type="checkbox"/> PackStak <input type="checkbox"/> LoadStak</p>
	<p>Integration with Artios</p> <p>The new integration allows users to launch TOPS directly from ArtiosCAD. Once you've configured TOPS as your palletization software within ArtiosCAD, simply select "Export to TOPS." You can also bring the pallet configuration from TOPS back to Artios CAD.</p>	<p><input checked="" type="checkbox"/> TOPS <input checked="" type="checkbox"/> PackStak <input checked="" type="checkbox"/> LoadStak</p>
	<p>Solution Window shown in Tabs</p> <p>Solution windows are now presented in a tabbed format, allowing the user to navigate through the solutions with a quick click of the mouse.</p>	<p><input checked="" type="checkbox"/> TOPS <input checked="" type="checkbox"/> PackStak <input checked="" type="checkbox"/> LoadStak</p>
	<p>Octagonal Box Style and Inverted Bags and Bottles</p> <p>Octagonal Box Style is now available in this new version of TOPS Pro.</p> <p>Define > Box Styles > Drawing Style > Octagonal Shippcase Parameters > Style</p> <p>To enable inverted bottles and bags, go to their respective parameter dialogs.</p> <p>Bottle Parameters > Invert Bottles Bag Parameters > Inverted Nest</p>	<p><input checked="" type="checkbox"/> TOPS <input checked="" type="checkbox"/> PackStak <input type="checkbox"/> LoadStak</p>
	<p>Better Pop Corner view for Unit Loads</p> <p>The 'Pop Corner' view option can now be used in both non-CASY and CASY modes.</p> <p>To enable the 'Pop Corner' view, the user must right-click the 'UnitLoad View' window to see the 'Pop Corner' option.</p>	<p><input checked="" type="checkbox"/> TOPS <input checked="" type="checkbox"/> PackStak <input type="checkbox"/> LoadStak</p>
	<p>Opening/ Saving analyses in XML format</p> <p>TOPS Pro can now open and save analyses in XML format.</p> <p>File > Save As XML File > Open XML</p>	<p><input checked="" type="checkbox"/> TOPS <input checked="" type="checkbox"/> PackStak <input checked="" type="checkbox"/> LoadStak</p>
	<p>Flip Top Pallet</p> <p>Aside from the ability to place a pallet over of the unit load, Tops Pro now enables the user to flip and position it upside down such that the top deck boards of the pallet are in direct contact with the uppermost layer of boxes.</p> <p>Unit Load Parameters > Layer > Pallet on Top</p>	<p><input checked="" type="checkbox"/> TOPS <input checked="" type="checkbox"/> PackStak <input checked="" type="checkbox"/> LoadStak</p>

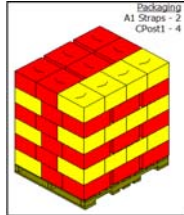
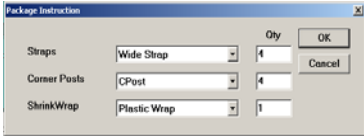


Set Application Background

Add something fun to your TOPS Pro software by selecting any JPEG graphics to be used as the wallpaper for the Control Panel. You can choose to place the graphics in the middle or stretch to fill the application.

At the Control Panel, right mouse click > Set Background

- TOPS
- PackStak
- LoadStak



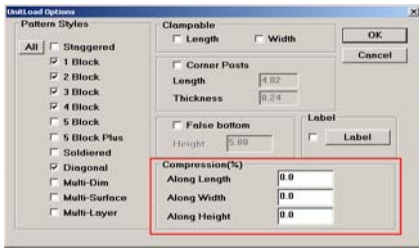
Package Instructions

Package instructions, including the type and quantity of straps, corner posts, and/or shrink wrap used for shipcase and Unitload can be added to the analysis report.

Make sure to turn on Package Instruction in the Print Parameters dialog box. User has the option to show instructions with the 3D graphics or at the bottom of the report.

Edit > Package Instruction

- TOPS
- PackStak
- LoadStak

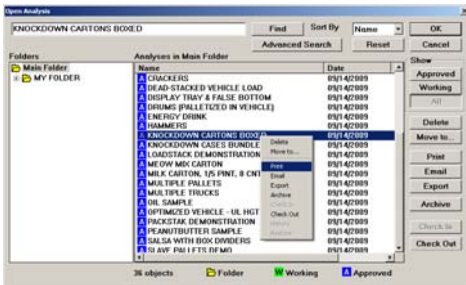


Define Compression/ Bulge for Unit Loads

Users can set compression and bulge values (percentage rates) from within the 'UnitLoad' parameters area. Positive values will determine compression and negative values will determine bulge.

UnitLoad Parameters > Options

- TOPS
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- LoadStak

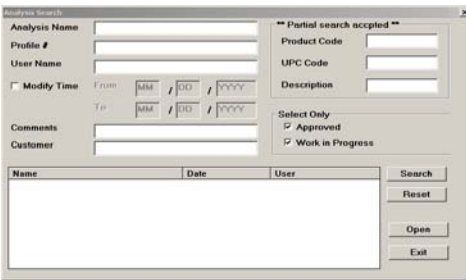


Open/Save dialog improved with 'right-click' menu options

Mouse over and right-click on a folder or an analysis to access the Quick select options within the 'Open/Save' dialog box.

The Open/Save area also supports drag-and-drop actions. Quickly move saved analyses to new folders by utilizing the drag and drop feature.

- TOPS
- PackStak
- LoadStak



New Advanced Analysis Search

Advanced searching options have been added – allowing the user to search the analysis database by providing additional criteria.

File > Open > Advanced Search

- TOPS
- PackStak
- LoadStak

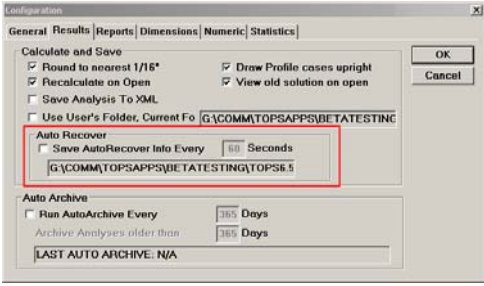
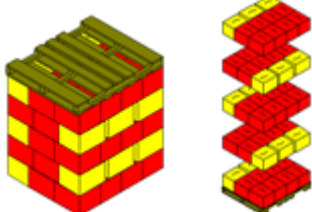
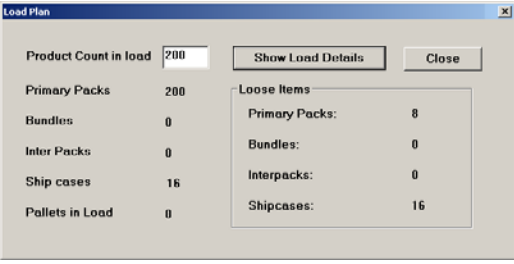
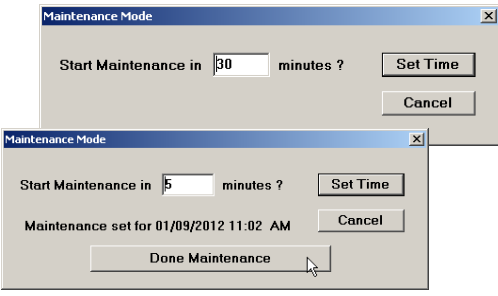


New View Layouts with option to save Default View

The **Tri with Stat Screen** view has been added as an additional view option. Users also have the ability to set a default screen view via the 'Configuration' area.

Tools > Configuration > General > Default Screen View

- TOPS
- PackStak
- LoadStak

	<p><u>Auto Analysis Recovery</u></p> <p>TOPS Pro now has an Auto Recover function that can help prevent data loss in case, for example, there is a power outage while the software is in use.</p> <p>Under TOPS Pro Configuration, you can set how frequently the Auto Recover function will save information on an analysis being worked on.</p> <p>Tools > Configuration > Results > Auto Recover</p>	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> TOPS <input checked="" type="checkbox"/> PackStak <input checked="" type="checkbox"/> LoadStak
	<p><u>Inverted 3D (for Unitload) and Current View (all stages)</u></p> <p>Tops Pro gives users more display options in their reports. For unitload, there is the inverted 3D view; for the other stages, users can select the Current View, which is current view option which can be single stack, pop top, double stack, assembly or exploded view.</p> <p>File > Print/Print Preview > Select UnitLoad 3D Inverted or others</p>	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> TOPS <input checked="" type="checkbox"/> PackStak <input checked="" type="checkbox"/> LoadStak
	<p><u>Load Plan</u></p> <p>The Load Plan function calculates specific load details such as number of shipcases, pallet loads, loose items, etc. given the number of products to be shipped.</p> <p>First, select a solution from the solution list in the analysis view; click on the Load Plan button (l) on the Tool Bar to open the 'Load Plan' dialog box. Type in the number of products to be shipped in the 'Product Count in load' field and click on 'Show Load Details'. Click on Close when done.</p> <p>This option function can be set in the INI file, if it's not already there.</p>	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> TOPS <input checked="" type="checkbox"/> PackStak <input type="checkbox"/> LoadStak
	<p><u>Maintenance Control</u></p> <p>The Maintenance Control Feature lets users on a network know how long they have until a scheduled maintenance will occur. This will give users time to work on an analysis and save it before the programs shuts down.</p> <p>The user must be a supervisor in order to set the time before the program closes and maintenance begins.</p> <p>Log in as Supervisor > Supervisor > Maintenance Control</p>	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> TOPS <input checked="" type="checkbox"/> PackStak <input checked="" type="checkbox"/> LoadStak