






























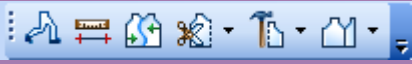













General Toolbar			
Tool Name	Tool Icon	Tool Shortcut	Tool Description
Select Tool		Z	Selects pieces, points, or objects, and moves pieces by clicking and dragging or using the space key
New File		Ctrl+N	Creates a new file
Open File		Ctrl+O	Opens an existing file
Save File		Ctrl+S	Saves a file
Print		Ctrl+P	Prints pieces on the working area
Plot		Ctrl+L	Plots the pieces on the working area
Arrange For Plot		Ctrl+K	Arranges and spreads the pieces currently in the piece list on the working area
Arrange On Board			Arranges for plot with a standard gap, only for pieces currently on the working area
Arrange on Board with Large Gap			Arranges for plot with a large gap, only for pieces currently on the working area
Arrange for Plot Direct			Arranges for plot with a standard gap, for all pieces in the file
Arrange All			Arranges for plot all the pieces in the file
Arrange Two Overlapped Pieces			Arranges parts and spreads overlapping pieces, two at a time
Report To Excel			Exports the current file information to an Excel report
Digitize			Digitally inputs a paper pattern
Zoom By Rectangle		Ctrl+Num+	Drags rectangle around area to be zoomed into
Zoom In		Num+	Zooms in when clicked
Zoom Out		Num-	Zooms out when clicked
Zoom All		Home	Zooms so that all pieces are visible
Zoom Real			Selects an area to zoom in real scale
Zoom Selection		Ctrl+Home	
Undo		Ctrl+Z	Undoes the Last action; Undoes by history, by clicking the chevron
















General Toolbar			
Tool Name	Tool Icon	Tool Shortcut	Tool Description
Redo		Ctrl+Y	Reverses the Undo; Redoes by history, by clicking the chevron
Cut		Ctrl+X	Cuts the selected piece(s) and stores it (them) on the clipboard
Copy		Ctrl+C	Copies the selected piece(s) and stores it (them) on the clipboard
Paste		Ctrl+V	Pastes piece(s) saved to the clipboard.
Replace Old			Removes selected pieces from the working area and saves them to the Pieces window
Refresh Old			Refreshes selected piece(s) in the Pieces window according to the changes done on the working area
Remove Active			Removes selected piece(s) from the working area without saving changes
Save Active As New			Saves selected piece as a copy and removes it from the working area
Separate Piece		F9	Removes all but the selected pieces
Swap Pieces			Replaces selected edited piece(s) on the working area with the original piece(s) on the Pieces window
Help Index		F1	Opens the Help menu



















Contour Toolbar









































Tool Name	Tool Icon	Tool Shortcut	Tool Description
Round Corner		Ctrl+R	Transforms an angular corner into a rounded corner
Cut Corner			Cuts an angular corner in a specified distance
Align Points		G	Aligns multiple points vertically, horizontally or by a specified angle
Align Vertical			Aligns objects vertically, according to a selected object
Align Horizontal			Aligns objects horizontally, according to a selected object
Align By Line			Aligns objects on a selected line
Smooth			Reshapes a line by deleting unnecessary support points, to end hold Shift on last click
Join Internal Contours		Shift+J	Connects two non-closed internal contours
Split Internal Contour			Splits an internal contour into separate segments
Extend Contour As Curve			Extends the selected contour line while maintaining its curved shape
Circle To Contour			Transforms a circle into a contour supported by a selected number of points
Extend Internal Object		E	Extends an internal line, dart or circle up to the contour, or by a specified length
Trim		Shift+T	Cuts off an internal line up to a meeting point with another line
Trace And Trim		Ctrl+Shift+T	Cuts off two internal lines at their intersection point
Lines Between Segments			Adds a specified number of lines between two existing lines
Hole Overcut			Creates an overcut on a closed internal to allow cutting access

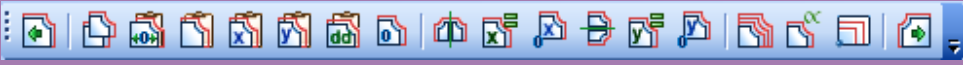


















			
Tool Name	Tool Icon	Tool Shortcut	Tool Description
Walk		W	Walks pieces together
		F11	Flips walking direction
		F12	Adds notches to rotating and stationary pieces
		Ctrl+F12	Adds a notch to a stationary piece
		Shift+F12	Adds a notch to a rotating piece
Measure		Ctrl+D	Measures the distance between two points, or along a straight or curved line
Join Pieces		J	Joins two pieces into one piece
Cut		C	Drafts a cut line on a piece and splits it to two pieces
		Ctrl+Shift+C	Cuts a piece along an internal line
Build Piece		B	Automatically builds a new piece from selected sections of existing piece(s)
Trace Segments		Ctrl+B	Builds a new piece by following along segments in/of a piece/overlapping pieces
Trace Pieces		Ctrl+Shift+B	Builds a new piece out of overlapping pieces
Build Zone		Ctrl+Shift+Z	Builds a new zone in a selected section of a piece
Trace Zone		Shift+Z	Builds a new zone in a piece by following along segments
Swap Zone Segment			Swaps between internal lines to determine the border of a zone
Fold Out		Ctrl+Shift+F	Folds out a facing or lapel line or any selected internal line
Fold In		Shift+F	Folds in a part of a piece along a selected internal line
Point To Point Fold			Folds in a part of a piece along two selected points













Insert Toolbar			
Tool Name	Tool Icon	Tool Shortcut	Tool Description
Add Point On Contour		O	Adds a point along a line
Point		Shift+O	Adds a point outside of a contour line; the contour line will shift towards the new point
Notch		N	Adds a notch on a segment
Notch On Point		Shift+N	Adds a notch on a corner point to place it on the previous/next segment
Add Points To All Notches		Ctrl+Shift+N	Adds a point to any existing notch
Grade Notch			Displays and sets grading of a single notch relative to a selected grading point for all sizes
Seam		S	Adds/changes seam allowance
Remove Seam		Shift+S	Removes the seam allowance from the entire piece
Remove Seam On Segment			Removes the seam from a selected segment
Cut Seam Angle			Customizes a corner for a seam allowance
Copy Seam			Copies the seam from a selected segment
Paste Seam			Pastes a copied seam to a selected segment
Replicate Seam			Replicates the seam shape from one piece to another
Match Seam			Places one piece over another and matches the shape of their seam
Seam Segment			Applies seam allowance by clicking over segments














Insert Toolbar			
			
Tool Name	Tool Icon	Tool Shortcut	Tool Description
Dart			Drafts a dart, shifts a dart, or shifts a dart Apex
Add Fullness		Ctrl+Alt+D	Slashes and spreads a piece at a selected area to add fullness
Create Dart By Pivot Points			Slashes and spreads a selected area in the piece to set a dart
Close Dart By Pivot Points			Closes a dart while maintaining two fixed pivot points
Edit Dart By Pivot Points			Adjusts a dart while maintaining two fixed pivot points
Cutting Dart By Arc			Arcs dart legs and cuts out selected dart
Fan Tool			Slashes and cuts a piece thus creating a fan effect
Circle		Ctrl+Alt+C	Selects a center and diameter to define a circle
Circle By Three Points			Selects three points to define a circle
Button		Ctrl+Alt+B	Creates a button or a drill hole
Add Several Buttons			Adds several buttons in a row
Add Several Lines			Adds several lines in a row
Text		T	Allows you to type additional text on a piece in any location
Text Direction			Sets the text location and direction in the piece
Pleat		L	Adds a pleat between two selected points
Pleat Line		Shift+L	Draws pleat lines (axis lines) from which to create pleats
Arc		A	Creates an internal arched line or reshapes a contour as an arched line
Wave			Creates an internal waved line or reshapes a contour as a waved line
















Edit Toolbar			
Tool Name	Tool Icon	Tool Shortcut	Tool Description
Delete		Backspace	Deletes objects such as points, internal lines, pleats, darts or buttons
Draft		D	Drafts contours and internal lines. Hold down the SHIFT key to draft curved points.
Two Circles Tangent			Creates a line that runs between two selected points on two circles
Move Point		M	Moves a selected point
Move Point Along Contour		Shift+M	Moves a single point along an existing line
Move Points Proportionally			Reshapes and trues a line by moving its points proportionally
Move Fixed Segment		Ctrl+M	Moves a line of selected points equally and in the same direction, thus maintaining the length of the line
Move Points			Moves a chain of points using DX, DY, Distance and Angle values for each point
Multi Move		Ctrl+Alt+M	Moves several points and internal objects from a single piece or multiple pieces
Move Sub-Segment			Moves a segment without changing a specified sub-segment (a smaller segment)
Rotate Sub-Segment			Rotates a sub-segment without changing a specified segment
Move Piece		Space bar	Moves a selected piece across your work area
Move Piece On Piece			Places one piece over another according to matching segments
Move And Copy Internal		I	Moves internal elements on the same piece, or copies elements from one piece to another
Select Internals Tool		Shift+I	Selects multiple internal lines or elements. This helps to clean up patterns
Rotate Piece		R	Rotates a piece around a center point
Rotate Contour Or Text			Rotates a contour or text




















Edit Toolbar			
			
Tool Name	Tool Icon	Tool Shortcut	Tool Description
Rotate			Rotates a piece or several pieces, internal objects or the baseline by a specified number of degrees
Rotate Segment Tool			Rotates a segment around a pivot point
Rotate To Horizontal		(-)	Rotates a piece horizontally to a selected line
Rotate To Vertical		Shift+(-)	Rotates a piece vertically to a selected line
Rotate Counter Clockwise		([)	Rotates a piece in a counter-clockwise direction
Rotate Clockwise		(])	Rotates a piece in a clockwise direction
Flip Horizontal		Shift+(=)	Flips a piece from left to right (Y axis)
Flip Vertical		(=)	Flips a piece from top to bottom(X axis)
Flip Along Line		Ctrl+(=)	Flips a piece along a selected line
New Baseline			Redraws and centers the baseline
Rotate To Initial Baseline		Ctrl+ /	Rotates the piece so that the baseline is horizontal
Set Baseline Direction		Shift+ /	Rotates the baseline parallel to two selected points
Set Baseline Perpendicular Direction		/	Rotates the baseline perpendicular to two selected points
Set Half		H	Creates a mirrored half of a piece along a selected segment
Set Mirror Line		Ctrl+Alt+H	Creates a mirrored piece for the piece's contour alone along a selected segment
Open Half		Shift+H	Opens a halved piece and protects it from changes
Close Half		Ctrl+H	Reverses the Open Half
Swap Segments			Swaps an internal segment with an external contour
Create Parallel		P	Creates a line parallel to the selected line
Extend Parallel		Shift+P	Extends the selected line in a parallel motion











Grading Toolbar			
Tool Name	Tool Icon	Tool Shortcut	Tool Description
Previous Grading Point		Left Arrow	Selects previous grading point
Copy Grading		Shift+C	Copies X & Y Grading values in order to paste them on a different grading point
Paste Relatively			A mode in which the grading values will be pasted relatively to the piece center (flips grading around the piece center)
Paste Grading		Shift+V	Pastes both X and Y grading values to a selected point
Paste X Grading		Shift+X	Pastes only the X grading values to a selected point
Paste Y Grading		Shift+Y	Pastes only the Y grading values to a selected point
Paste Grading Around			Pastes the diagonal distance value (dd) to a selected point
Clear Grading			Clears all grading values in the selected grading point
Flip X Grading			Flips the grading values from + to – along the X axis
Equal X Grading			Equals X grading for all sizes
Clear X Grading			Clears the X grading values for selected points
Flip Y Grading			Flips the grading values from + to – along the Y axis
Equal Y Grading			Equals Y grading for all sizes
Clear Y Grading			Clears the Y grading values for selected points
Graded Nest			Stacks separate pieces to create a graded nest
Grade Proportionally			Grades the intermediate points between two grading points proportionally
Stack Point			Stacks grading on a selected point
Next Grading Point		Right Arrow	Selects the next grading point





















Darts Toolbar			
Tool Name	Tool Icon	Tool Shortcut	Tool Description
Dart		Ctrl+Alt+D	Drafts a dart, shifts a dart, or shifts a dart Apex
Add Fullness			Slashes and spreads a piece at a selected area to add fullness
Create Dart By Pivot Points			Slashes and spreads a selected area in the piece to set a dart
Close Dart By Pivot Points			Closes a dart while maintaining two fixed pivot points
Edit Dart By Pivot Points			Adjusts a dart while maintaining two fixed pivot points
Cutting Dart By Arc			Arcs dart legs and cuts out selected dart
Fan			Slashes and cuts a piece thus creating a fan effect
Multiple Darts			Creates multiple darts between two selected points
Create Dart			Creates a dart between two selected points
Copy Dart			Copies selected darts to the clipboard
Paste Dart			Pastes copied darts on to the selected point
Close Darts			Closes the selected darts
Fix Dart			Equals the length of dart legs and corrects its fold

Views Toolbar			
Tool Name	Tool Icon	Tool Shortcut	Tool Description
Style Set		4	Opens the Style Sets Info window
Grading Table		2	Opens the Grading table
Rules Library		Ctrl+Shift+Alt+R	Opens the Rules Library window
Compare Length		5	Opens the Compare Length window
Calculator		Shift+1	Opens the Calculator window
3D View		7	Opens the 3D Model window
Stitches Window		0	Opens the Stitch List window
3D Properties		8	Opens the 3D Properties window
Ruler			Shows/hides the Rulers around the working area
Pattern Shaders			Shows/hides the 3D Shaders over the pattern pieces
Fabric Full Screen			Shows/hides the Fabric Texture over the working area
Clip Fabric Pattern			Shows/hides the Fabric Texture over the pattern pieces
Control Points			Shows/hides all grading and non-grading points

3D Toolbars			
Tool Name	Tool Icon	Tool Shortcut	Tool Description
Clear Cloth		Ctrl+`	Removes pieces and garment from 3D Model window
Clear Lines			Removes lines, text, measurements and patches from 3D Model
Clear 3D Window			Removes all items from the 3D window
Place Cloth		Shift+`	Places pattern pieces around the model
Simulate Draping		`	Sews the 3D pieces and calculates fabric behaviour
Stitch		U	Stitches pattern pieces together
Show Stitch Mode		Shift+U	Selects stitches to set up or delete parameters
Move Texture			Moves texture of fabric
			Scales texture of fabric
			Rotates texture of fabric
Model Properties			Opens Model Properties window to adjust parametric model measurements and shape
Tape Measure			Measures distances between two points in the 3D Model window
Circumference Measure			Measures girths in the 3D window
3D Move Piece			Moves selected 3D objects
3D Rotate Piece			Rotates selected 3D objects
3D Scale Piece			Scales selected 3D objects

3D Toolbars			
Tool Name	Tool Icon	Tool Shortcut	Tool Description
Simulation Properties		Ctrl+Shift+`	Opens the Simulation Properties window
Zoom All			Zooms to view the whole 3D scene
Auto Rotate			Rotates the camera around the model continually
Tension Map			Displays and inspects colored maps of tension, stretch and distance of garment in relation to the model
Lighting Editor			Opens the Lighting Editor window to change light source position and intensity
Display Shadows			Casts and obstructs light to display shadow effect
Show Or Hide Model			Shows/hides the model in the 3D Model window
Show Or Hide Advanced Toolbar			Shows/hides the 3D Advanced toolbar on the 3D window
Full Screen Mode			Shows the 3D Window in Full Screen mode
Load Model			Opens OptiTex Model and Cloth files and imports models to OptiTex 3D
Save Model			Saves OptiTex Model and Cloth files and exports models to other 3D standard formats
Snapshot			Saves an image of the 3D scene
Print Model			Prints out current view of model
3D Animation			Opens the Animation window
3D Digitizer			Draws lines, notches and buttons on 3D garment
3D Text			Adds text to the 3D Model window
Scene Information			Opens the Scene Information window
Magic Glove			Adjust and move parts of cloth items

3D Flattening Toolbar			
Tool Name	Tool Icon	Tool Shortcut	Tool Description
Draw Path		Ctrl+1	Draws grading points and lines directly on the 3D model
3D Notch		Ctrl+2	Creates a notch on a 3D line
3D Button		Ctrl+3	Creates a button directly on the 3D model
Copy Half		Ctrl+4	Copies pins and lines to create symmetry
Edit Pins		Ctrl+5	Moves pins and adjusts lines on the 3D model
3D Baseline		Ctrl+6	Sets Baseline direction on patches
Build Patch		Ctrl+7	Creates 3D patches and flattens patches to pattern pieces
Flatten Whole Mesh		Ctrl+9	Flatten selected mesh (surface) without having to create a patch
Flatten All		Ctrl+0	Flattens all existing patches to the 2D Pieces Window
Flattening Options			Opens the Flattening Tool Options window

3D Advanced Toolbar			
Tool Name	Tool Icon	Tool Shortcut	Tool Description
Add Vertex Tool			Adds a vertex on a surface's edge
Bridge Tool			Builds new surface between selected edges
Combine			Combines selected adjacent surfaces into one unified surface
Flip Normals			Flips normals direction for selected surface/s
Select Tool			Selects surfaces/ models
Paint Selection Tool			Allows selection of surfaces by painting them
Selection Options			Opens/ closes the Selection Options window where you can find selection operations and options.
Scene Browser			Opens the Scene Browser window where you can find 3D items properties in the scene (visibility, area calculations etc.)
Tilt Camera			Rolls the camera around the Y axis (LMB) and the X axis (RMB)
View Reference Mode			Toggles view between combined surfaces and imported surfaces
Perspective			Views 3D Scene in the default perspective view
Front		Page Up/Page Down	Moves the camera to view the scene from the front
Rear		Page Up/Page Down	Moves the camera to view the scene from the back
Left		Page Up/Page Down	Moves the camera to view the scene from the left
Right		Page Up/Page Down	Moves the camera to view the scene from the right
Bottom		Page Up/Page Down	Moves the camera to view the scene from the bottom
Up		Page Up/Page Down	Moves the camera to view the scene from upside down
X-Ray			Displays the models as transparent surfaces with wireframes
Wireframe			Displays the models as shaded surfaces with wireframes