

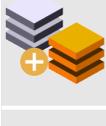
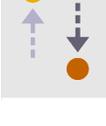
RPS Core Tools

Included in all Toolboxes

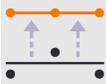
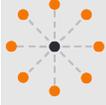
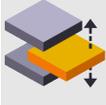
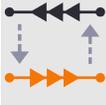
Icon	Command Name	Command Description
	TML Status	Provides a fast and effective way to manage your TML library inside Trmble Business Center. The command connects with the Rockpile Solutions TML Server, checks available TMLs and their versions against those installed on your computer and provides tools to download, install, maintain and update your library in an automated way. TML Status monitors the TMLs as they are used and if it identifies that you have out of date commands, it prompts to run TML Status to update the commands.
	Menu Manager	Provides a simple and easy way to switch menu configurations from a light theme to a dark theme. The dark theme is easier on the eyes for those long days of clicking and pointing.
	Show Line Direction	Provides the ability to display the direction of a selected line. The tool establishes the type, colors and size of the direction indicators and whether they are static or dynamic in nature. The Show Direction setup is then used by other TML commands including Nudge, Place Aligned Blocks etc. where knowing the line direction is important to determine Left or Right offsets or location.
	Voice Command	Provides the ability to use voice input to execute any TBC command. This improves productivity and allows the commands to execute as well as the command dialog to be navigated without mouse movement.

RPS Data Prep Toolbox

Provides a powerful toolset to supplement TBC data prep capabilities. Tools to manage layers, clean up and sort CAD or PDF data and to perform data modifications, edits and create new objects

Icon	Command Name	Command Description
	Adjust Linestring Elevation	Provides a quick and easy way to null out or modify VPIs on selected sections of 3D linestrings
	Affix Name	Applies and / or removes a user specified prefix or suffix the name of the selected objects
	Convert to Linestring	Provides a rapid way to mass convert polyline and CAD line objects into linestring objects. In addition the command provides an easy way to eliminate UCS (User Defined Coordinate Systems) from imported CAD objects or from objects created using the Cutting Plane View in TBC. This increases your productivity and eliminates a large bottleneck in the processing of CAD data and point clouds
	Convert to MText	Converts selected CAD text objects to multiline text objects. Multiline text objects are smarter and have more flexibility in TBC than simple text objects.
	Copy Layer Group Members	Copies a layer group and all the layers (that have members) into a new layer group where the group and each layer is named using the existing name with an added prefix or suffix.
	Create Hi/Lo Points	Creates points at the high and low spots of selected lines, Can also be used to create points at different elevations on e.g. building columns and piers extracted from point clouds to determine verticality or precise positions.

Icon	Command Name	Command Description
	Crop Crossing Lines	Provides the ability to crop selected lines either side of a selected line or to remove the segments of selected lines between a pair of lines. This is useful to remove e.g. Contour lines from pavement areas or around curb and gutter sections, where more precise modeling techniques are being used.
	Divide by Slope Distance	Computes points along a selected 3D line using a table of variable slope distances as the divisor. A good tool for rapidly creating building grid layouts.
	Elevate by Attribute	Applies elevation attributes from imported GIS data to the lines associated with the attribute to create 3D linework suited to 3D modeling. Works well with ESRI Shape files.
	Explode IFC Shell	Imported IFC data or mesh objects from DWG and DGN files can be exploded into component lines and points using this command. The command handles solids by breaking them into top, bottom and side objects on separate layers so that the data can be used as source data for surface models. 3D linear features can be re-created through use of the Filter by Alignment command.
	Filter by Alignment	Provides the ability to filter a selection of objects in relation to a selected reference line or alignment. User can define parallel or perpendicular or up to a specified skew angle to rapidly find linear features or cross section lines across surfaces. Useful tool with Explode Surface or Explode IFC Shell commands
	Insert Line Segment	A simple editing tool to add additional segments into an existing linestring. Simply click where you require additional nodes and the linestring selected updates by adding additional segments into the existing linestring.
	Layer Manager	RPS Layer Manager provides a rapid way to assign selected layers to layer groups and to add prefix or suffix text to layer names and layer groups.
	Lines to AOI	Converts selected linework into AOIs for Takeoff reports (Areas of Interest).
	Linestring by Station	Creates a linestring from selected points sorted by station in relation to a selected line or alignment. Points with matching feature codes will be joined into a single or multiple lines.
	Lock Views	Provides the ability to create two separate plan views displaying different information and synchronize pan and zoom activities so that the same location can be seen in both windows for direct comparison. Combine View Filters, Selection Sets and Lock Views to rapidly identify changes in project revision drawings or to compare weekly / monthly check surveys.
	Matrix Copy	A copy command that provides the ability to multi copy selected objects into a 3D array. User can define the origin, orientation / skew angle, inclination and spacing of the three grid axes. The command is great for creating parking bay striping, site mass haul grids, building piers, stairways and other repetitive patterns on a regular 2D or 3D grid
	Name by Layer	Names line objects using the name of the objects layer. Select the lines to name and enter a name "mask". This is a useful tool to prepare imported CAD data for field users of Trimble Siteworks or SCS900 etc.
	Name by Text	Names polygonal line objects using text data located inside the polygon. Used to name lots, pads, parking stalls, buildings and other polygonal objects. This is a useful tool to prepare imported CAD data for field users of Trimble Siteworks or SCS900 etc.

Icon	Command Name	Command Description
	Place Aligned Blocks	Provides the ability to place a block automatically on a selection of points and orientate them in relation to a selected line or alignment. Great for placing sound wall or guard rail posts and footings along their feature lines. Blocks get rotated into the correct orientation along curves and at angle corners. Enables the rapid creation of layout data for anchor bolts and 3D visual elements for the SiteVision Augmented Reality system etc.
	Point Cloud by Boundary	Create point cloud regions quickly from imported point clouds using predefined boundaries
	Points to Arc	Provides the ability to create best fit 3D arcs on planes defined by three 3D points. Great for Architectural detailing from points measured with Total Stations or Scanners.
	Points to Station	Provides the ability to move selected survey points onto even station locations within a move tolerance for reporting purposes.
	Quick Line	Create 3D linestrings quickly without the complexity of the Linestring Editor.
	Radial Points	Creates points along radius lines and at intervals using polar coordinate geometry calculations.
	Radial Points (Script)	Creates irregular point sequences along multiple radius lines using scripted polar coordinate geometry calculations. Ideal for complex layout of circular structures. Created scripts can be saved and reused, ideal for large tank or silo farms.
	Relayer	The RPS Relayer command provides increased productivity when relayering CAD objects to a number of different layers. The user can establish any number of target layers and then simply select the objects to relayer, tag the layer that they want to move them to and OK to execute. The fact that you can relayer to multiple layers quickly and easily can take significant time out of data prep processes.
	Reverse Line	Reverses the direction of the selected linestring, CAD line or polyline
	Station / Offset Points	Creates points through input of station and offset values with respect to a selected alignment.
	Switch Text	Switch text properties between two selected text objects. Text properties include height, width, text, rotation, oblique angle, justification, aspect ratio, layer, color etc.
	VPI at Elevation	Creates VPIs on the selected line at the specified elevation each time the line passes through the defined elevation

For More Information

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To order TML Toolboxes go to www.RockpileSolutions.com/Toolbox or
Contact your local SITECH Dealer