



# Feature Matrix

## TRIMBLE BUSINESS CENTER v5.00 SOFTWARE

November 2018

Each Trimble® Business Center (TBC) Edition is designed to support a set of related workflows:

- ▶ **Viewer (Unlicensed):** Import + review field data, view projects, + export to Trimble field devices + software.
- ▶ **Field Data Edition:** Export third-party field data, perform basic CAD functions, complete data quality control, adjust networks, + work with level data.
- ▶ **Surface Modeling Edition:** Basic point cloud management, create + edit surfaces + alignments, cut/fill maps, + earthwork reports.
- ▶ **Survey Intermediate Edition:** Perform GNSS post-processing, traverse adjustments, site calibrations; work with background images, labels, + dimensions.
- ▶ **Survey Advanced Edition:** Work with Trimble Vision™ data, create plan sets, process cadastral data, leverage full COGO + corridor routines.
- ▶ **Site Modeling Edition:** Convert + elevate 2D geometry into 3D for field operations; cleanup project data.
- ▶ **Site Construction Edition:** Compute site mass haul + site takeoff computations, linear quantities, layer depths, + material volumes.
- ▶ **Infrastructure Construction Edition:** Parametric intersection, interchange, + ramp designs with corridor mass haul quantities + volumes.



Blue text denotes new or enhanced v5.00 features

Feature	Viewer	Field Data	Surface Modeling	Survey Intermediate	Survey Advanced	Site Modeling	Site Construction	Infrastructure Construction
Coordinate System Management	X	X	X	X	X	X	X	X
Data Viewing	X	X	X	X	X	X	X	X
Feature Definition Management	X	X	X	X	X	X	X	X
GNSS Online Planning	X	X	X	X	X	X	X	X
SketchUp Compatibility	X	X	X	X	X	X	X	X
Trimble Field Data Import + Export	X	X	X	X	X	X	X	X
Trimble Sync Manager	X	X	X	X	X	X	X	X
VisionLink	X	X	X	X	X	X	X	X
Basic CAD + COGO Tools		X	X	X	X	X	X	X
Data Spreadsheets		X	X	X	X	X	X	X
<b>Feature Code Processing</b>		<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
Import + Adjust Level Data		X	X	X	X	X	X	X
Local Site Settings		X	X	X	X	X	X	X
Optical Data Processing		X	X	X	X	X	X	X
<b>Third-Party Data Export</b>		<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
Create + Edit Alignments			X	X	X	X	X	X
Create + Edit Surfaces			X	X	X	X	X	X
Create Points from CAD			X	X	X	X	X	X
Earthwork Reports			X	X	X	X	X	X
MSI Reports			X	X	X	X	X	X
Point Cloud Viewing + Sampling Tools			X	X	X	X	X	X
Surface + Stored Cross-Section Reports			X	X	X	X	X	X
Surface Contours			X	X	X	X	X	X
View Data in Google Earth			X	X	X	X	X	X

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Feature	Viewer	Field Data	Surface Modeling	Survey Intermediate	Survey Advanced	Site Modeling	Site Construction	Infrastructure Construction
<b>ALTA Relative Precision Report</b>				X	X	X	X	X
Custom Reporting				X	X	X	X	X
Dimensions + Annotations				X	X	X	X	X
Display Background Maps				X	X	X	X	X
<b>Dynamic Label + Table Creation</b>				X	X	X	X	X
Georeference PDFs				X	X	X	X	X
<b>GNSS Baseline Processing</b>				X	X	X	X	X
Grid + Ground Labeling				X	X	X	X	X
Image Tools				X	X	X	X	X
Network Adjustment				X	X	X	X	X
Site Calibration Tools				X	X	X	X	X
<b>Traverse Adjustment</b>				X	X	X	X	X
Trimble RTX GNSS PP Service				X	X	X	X	X
3D PDFs					X	X	X	X
Automated Cross-Section Plotting					X	X	X	X
Corridor Design Tools					X	X	X	X
Create COGO + Advanced CAD Functions					X	X	X	X
Create Plan Sets + Sheet Sets					X	X	X	X
Create Rectified Images					X	X	X	X
<b>Cutting Plane View + Plane Manager</b>					X	X	X	X
Dynamic Scale Bars					X	X	X	X
Dynaview Link to Model Space					X	X	X	X
Generate Panorama Images					X	X	X	X
History Log View					X	X	X	X
<b>Import + View Mobile Mapping Data</b>					X	X	X	X
Legal Description Writer					X	X	X	X
<b>Macros Creation + Application</b>					X	X	X	X
Merge Survey Projects					X	X	X	X
Parcel + Map Check Routines					X	X	X	X
<b>Plane Set and Subplane Creation</b>					X	X	X	X
Projected, Radial, + Vertical Surfaces					X	X	X	X
Publish Station Views to Trimble Clarity					X	X	X	X
Single + Double Proportioning					X	X	X	X
Superelevation Diagrams					X	X	X	X
Trimble VISION Support					X	X	X	X
Virtual DR					X	X	X	X
Data Prep Tools						X	X	X
Elevate Contours, Pads, Lines						X	X	X
Map Layers						X	X	X
Project Cleanup Tools						X	X	X
Surface Site Improvements						X	X	X
Variable Offset Lines						X	X	X
Work with Machine Data						X	X	X
Create + Analyze Site Mass Haul							X	X
Create Site Borings							X	X
Create Corridor Borings							X	X
Digitalize Contours, Lines, + Pads							X	X
Digitize Cross-Sections							X	X
Generate Takeoff Reports							X	X
Identify Site Regions							X	X
Station / Offset View							X	X
Validate Site Improvements							X	X
Work with Strata + Topsoil Areas							X	X
Corridor Mass Haul Import + Export								X
Create + Analyze Corridor Mass Haul								X
Export Mass Haul to TILOS								X
<b>Parametric Corridor Design Tools</b>								X
Save Intersection Templates								X

Each Trimble® Business Center (TBC) Module is designed to support a group of workflows around a single topic. The modules are add-ons to an edition.

- ▶ **Aerial Photogrammetry Module:** Process + create deliverables with Trimble + third-party UAS data in TBC + UASMaster.
- ▶ **Drilling Piling Dynamic Compaction Module:** Create drill plans + reports for Trimble DPS900™ Machine Control Systems.
- ▶ **GIS Module:** Seamlessly integrate GIS data from Trimble Access™ + TerraSync™ software into TBC + connect to external GIS databases.
- ▶ **Mobile Mapping Module:** Process + register MX9 Mobile Mapping data; work with MX hardware calibrations.
- ▶ **MM MX9 Laser Correction Module:** Account + adjust for multiple-time around (MTA) laser effects in the MX9 Mobile Mapping hardware.
- ▶ **Scanning Module:** Register + colorize SX10™ data + classify regions, extract features, + create deliverables from SX10™ + third-party point clouds.
- ▶ **Tunneling Module:** Create + edit tunnel models for Trimble Access™ Tunnels + create customized as-built + geometry reports.
- ▶ **Utility Modeling Module:** Generate + visualize gravity, pressurized, + other utility runs in parametrical constrained trenches.



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Feature	Aerial Photogrammetry	Drilling Piling Dynamic Compaction	GIS	Mobile Mapping	MM MX9 Laser Correction	Scanning	Tunneling	Utility Modeling
Adjust Photo Stations	x							
Adjustment with Ground Control Points	x							
Advanced UAS Adjustment	x							
Create Orthomosaic, Point Cloud, + DSMs	x							
<b>Delair UXII support</b>	<b>x</b>							
Hardware Agnostic Support in UASMaster	x							
senseFly eMotion Support	x							
UASMaster v9.x	x							
Create Compaction Plans + Reports		x						
Create Drill Plans + Reports		x						
Create Pile Plans + Reports		x						
Customize Pile Types		x						
Drill Quality Reports		x						
Import + Export to DPS900		x						
Establish GIS Data Source Connections			x					
Extract Schema into FXLs			x					
Import + Export File Geodatabases			x					
<b>Import COR Files</b>			<b>x</b>					
Map Metadata			x					
Post-process SSF Data			x					
Read GIS Data from Data Source			x					
Upload Features to GIS Data Source			x					
<b>Adjust MX9 Mobile Mapping Data</b>				<b>x</b>				
<b>Apply Filter Masks to MX9 Data</b>				<b>x</b>				
<b>Compute Mobile Mapping Scans</b>				<b>x</b>				
<b>Export Mobile Mapping Calibrations</b>				<b>x</b>				
<b>Import Processed Trajectory</b>				<b>x</b>				
<b>Register MX9 Scan Data</b>				<b>x</b>				
<b>Adjust MTA for MX9 Laser</b>					<b>x</b>			
Ambient + Normal Shading						x		
Automatic Ground Extraction						x		
<b>Automatic Point Cloud Registration</b>						<b>x</b>		
Automatic Region Classification						x		
Create CAD Points from Scan Points						x		
Create Orthophoto Images						x		
<b>Extract Point Features</b>						<b>x</b>		
Georeference Scan Data						x		
<b>Import FARO Scan Data</b>						<b>x</b>		
<b>Import TX6 + TX8 Data</b>						<b>x</b>		
Intensity-Base Point Cloud Filtering						x		
Pairwise Point Cloud Registration						x		
Smart Pick Feature Extraction Tools						x		
<b>Assign Point Clouds to Tunnel As-Built</b>							<b>x</b>	
Create + Edit Tunnel Corridors							x	
Create Setout Points							x	
Custom As-Built Tunnel Reports							x	
Draft Plan Sets with Tunnel Geometry							x	
Import + Export to Trimble Access Tunnels							x	
<b>Render As-Built Tunnel Mesh</b>							<b>x</b>	
Render Designed Tunnel Mesh							x	
Tunnel Geometry Reports							x	
Create Pipe + Utility Networks								x
Create Utility Nodes								x
Customize Utility Shapes								x
Define Trench Templates								x
Trench Template Manager								x
Utility Takeoff Report								x