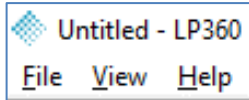


## Menus






















| File                   | Coordinate System Utility... | View                           | True View Workflow Toolbar*  |
|------------------------|------------------------------|--------------------------------|------------------------------|
| New                    | Create LPLAS Dataset...      | LP360 Toolbar                  | True View Utilities Toolbar* |
| Open                   |                              | Display and Navigation Toolbar | Table of Contents – LP360    |
| Save Project           | Import from ASCII XYZ+...    | Viewer Integration Toolbar     | Profile Window – LP360       |
| Save Project As...     | Import from MG4              | LP360 Classify                 | 3D Window – LP360            |
| Close Project          | Project Metadata...          | Feature Edit Toolbar           | Toolbar Icon Size > S,M, L   |
| Open Startup Dialog... |                              | LP360 Point Cloud Tasks        | <b>Help</b>                  |
| Project Settings...    | License Manager              | QA/QC Toolbar                  | LP360 Help System...         |
| Chile Projects...      | Recent Project(s) List       | Control Points Toolbar         | Check for Updates...         |
| Re-Path Project...     | Exit                         | PTC Toolbar                    | About LP360...               |

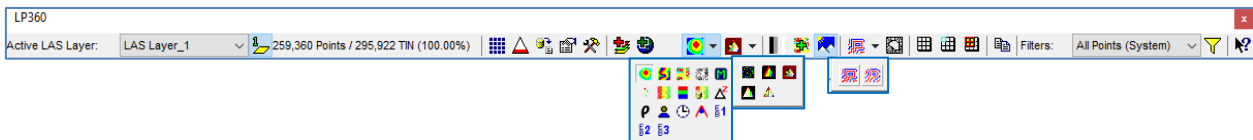
\*Requires an LP360 Drone license.












































## Navigation Tools
















|   |                 |   |                       |   |                 |   |                   |
|---|-----------------|---|-----------------------|---|-----------------|---|-------------------|
|    | Project Manager |    | Zoom Out              |    | Fit World       |    | Jump Map to Left  |
|    | Job Manager     |    | Continuous Zoom & Pan |    | Previous Extent |    | Jump Map to Right |
|   | Image Explorer  |   | Pan                   |   | Next Extent     |   | Jump Map Up       |
|  | Select          |  | Zoom In Fixed         |  | Measure         |  | Jump Map Down     |
|  | Zoom In         |  | Zoom Out Fixed        |  | Identify        |   |                   |

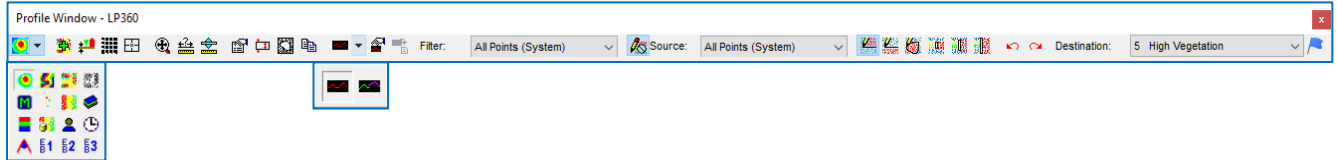
## LP360 Basic Tools














































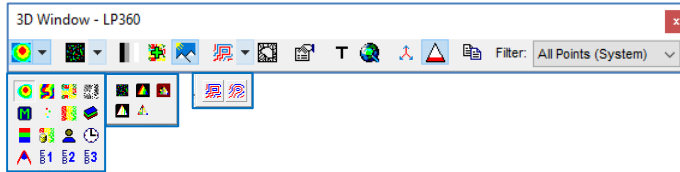
|   |  |   |                           |   |                          |   |                                       |
|---|--|---|---------------------------|---|--------------------------|---|---------------------------------------|
|  | Active LAS Layer                       |  | Color Band                |  | GPS Time                 |  | Display Contours                      |
|  | Single LAS Mode                        |  | Classification            |  | Scan Angle               |  | Display Smooth Contours               |
|  | Point Information                      |  | Intensity                 |  | Extra Bytes (1/2/3)      |   |                                       |
|  | Show Map Grid                          |  | Monochromatic             |  | Draw Types (Draw Points) |  | Toggle Breakline Enforcement          |
|  | Force 100% Resolution                  |  | Return Combination        |  | Draw TIN                 |  | Display Boundaries                    |
|  | Export Wizard                          |  | Point Source ID           |  | Draw Points on TIN       |  | Select LAS Files Graphically          |
|  | Active LAS Layer Properties            |  | RGB                       |  | Draw Wireframe           |  | Select and Load LAS Files Graphically |
|  | LAS File Analyst                       |  | File                      |  | Draw Points on Wireframe |  | Copy map view to clipboard            |
|  | Add LAS / Raster / Feature / DEM Layer |  | Elevation Difference (dz) |  | Apply Intensity          |  | View Filter                           |
|  | Add WMS Layer                          |  | Point Density             |  | Blend Classification     |  | Live View                             |
|  | Legend Types (Elevation)               |  | User Data                 |  | Toggle Hillshade         |  | Help Tool                             |




































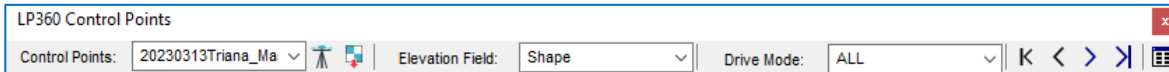
|   |                         |   |                            |   |                               |   |                             |
|---|-------------------------|---|----------------------------|---|-------------------------------|---|-----------------------------|
|  | Toggle Profile Window   |  | Draw 3D Window Extent      |  | Draw Profile Box 3D View      |  | Enable Clipping Plane in 3D |
|  | Draw Profile Line       |  | Zoom to Viewer Extent      |  | Draw Profile Box in 2D        |  | Set Clipping Plane          |
|  | Zoom to Profile         |   |                            |  | Draw Profile Centerline in 2D |   |                             |
|  | Toggle 3D Window On/Off |  | Pan 3D Viewer With Profile |  | Enable Clipping Plane in 2D   |   |                             |











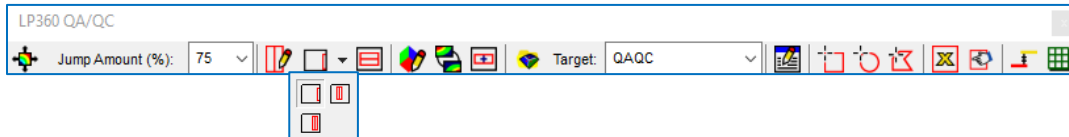
|   |  |   |                                |   |                                    |   |                                     |
|---|--|---|--------------------------------|---|------------------------------------|---|-------------------------------------|
|    | <b>Legend Types</b> ( <i>Elevation</i> (CTRL+Q)) |    | GPS Time                       |    | Display Properties                 |    | Source Points Filter                |
|    | Color Band (CTRL+A)                              |    | Scan Angle                     |    | Profile Depth                      |    | Classify Above Line (CTRL+G)        |
|    | Classification (CTRL+W)                          |    | Extra Bytes (1/2/3)            |    | Toggle Breakline Enforcement       |    | Classify Below Line (CTRL+H)        |
|    | Intensity (CTRL+E)                               |    | Blend Classification           |    | Copy Profile to Clipboard (CTRL+C) |    | Classify Within a Distance (CTRL+N) |
|    | Monochromatic                                    |   |                                |    | <b>Drape Profile Options</b>       |    | Classify within Polygon (CTRL+F)    |
|   | Return Combination (CTRL+R)                      |   | Re-center Z Extent (CTRL+B)    |   | Drape Profile Line                 |   | Small Paintbrush (CTRL+J)           |
|  | Point Source ID (CTRL+T)                         |  | Graticule On/Off               |  | Drape Profile by Point Source ID   |  | Medium Paintbrush (CTRL+K)          |
|  | GIS Fusion (CTRL+U)                              |  | Toggle Cursor Crosshair        |  | Profile Export Settings            |  | Large Paintbrush (CTRL+L)           |
|  | RGB (CTRL+I)                                     |  | Continuous Pan & Zoom (CTRL+D) |  | Export Draped Line                 |  | Undo Last Edit                      |
|  | File (CTRL+X)                                    |  | Measure (CTRL+M)               |  | View Filter                        |  | Redo Last Edit                      |
|  | User Data (CTRL+S)                               |  | Measure Area                   |  | Classify Non-visible Points Toggle |  | Destination Class & Flags           |























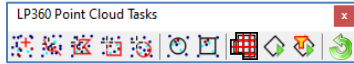
|   |                             |   |                     |   |                          |   |                                      |
|---|-----------------------------|---|---------------------|---|--------------------------|---|--------------------------------------|
|  | <b>Legend Types</b>         |  | RGB (CTRL+I)        |  | Draw Points on TIN       |  | Toggle Breakline Enforcement         |
|  | Elevation (CTRL+Q)          |  | File (CTRL+X)       |  | Draw Wireframe           |  | Display Properties                   |
|  | Color Band (CTRL+A)         |  | User Data (CTRL+S)  |  | Draw Points on Wireframe |  | Top View (CTRL+D)                    |
|  | Classification (CTRL+W)     |  | GPS Time            |  | Apply Intensity          |  | Fit World (CTRL+F)                   |
|  | Intensity (CTRL+E)          |  | Scan Angle          |  | Blend Classification     |  | Toggle Axis (CTRL+B)                 |
|  | Monochromatic               |  | Extra Bytes (1/2/3) |  | Toggle Hillshade         |  | Force 100% Resolution                |
|  | Return Combination (CTRL+R) |   | <b>Draw Types</b>   |   | <b>Display Contours</b>  |  | Copy 3D Viewer to Clipboard (CTRL+C) |
|  | Point Source ID (CTRL+T)    |  | Draw Points         |  | Display Contours         |  | View Filter                          |
|  | GIS Fusion (CTRL+U)         |  | Draw TIN            |  | Display Smooth Contours  |   |                                      |














|   |                                   |  |                    |   |                        |   |                      |
|---|-----------------------------------|--|--------------------|---|------------------------|---|----------------------|
|   | Control Points Layer              |  | Elevation Field:   |   | First Control Point    |   | Last Control Point   |
|  | Accuracy Star Measurement Utility |  | <b>Drive Mode:</b> |  | Previous Control Point |  | Control Point Report |
|  | Import Control Points Wizard      |  | All/Control/Check  |  | Next Control Point     |   |                      |

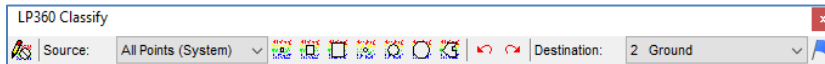


|   |                               |   |                               |   |                            |   |                            |
|---|-------------------------------|---|-------------------------------|---|----------------------------|---|----------------------------|
|  | Jump Map                      |  | Pan Map as Profile Nears Edge |  | Create Feature Class       |  | Delete Issue               |
|  | Jump Amount                   |  | Pan 3D Viewer with Profile    |  | Target Feature Class       |  | Edit Issue Attribute       |
|  | Draw Profile Line             |   |                               |  | QAQC Issue Editor          |   |                            |
|   | <b>Profile Scroll Options</b> |  | Define 3D Window Extent       |  | Add Rectangular Area Issue |  | Seamline Analysis          |
|  | Allow Profile Off Map         |  | Pan 3D Viewer with Map Jumps  |  | Add Circular Area Issue    |  | LAS Tile Boundary Analysis |
|  | Center Profile in Map         |  | Center Viewer on Mouse Click  |  | Add Polygon Area Issue     |   |                            |

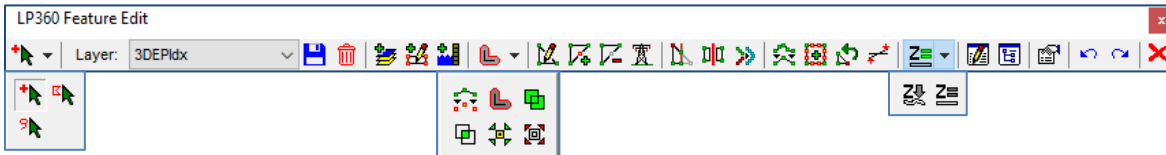






































|   |                     |   |                              |   |  |   |  |
|---|---------------------|---|------------------------------|---|--|---|--|
|  | Execute by Point*   |  | Execute by Envelope          |  | Execute by Circular Stamp                  |  | Execute attribute derived PCT using selected feature layer |
|  | Execute by Line*    |  | Execute by Circle            |  | Execute for a Project                      |  | Recover Point Cloud Task                                   |
|  | Execute by Polygon* |  | Execute by Rectangular Stamp |  | Execute task using selected feature layer* |   |  |
| *Input Tool Geometry  |                     |   |                              |   |  |   |  |

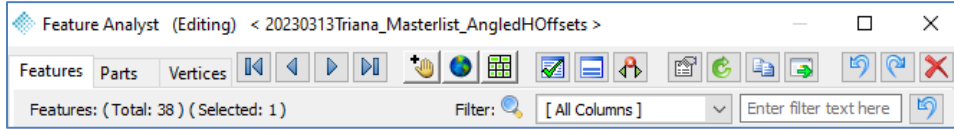
## LP360 Standard Tools



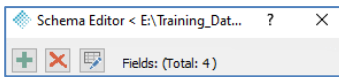
|  |                                    |  |                          |  |                         |  |                           |
|--|------------------------------------|--|--------------------------|--|-------------------------|--|---------------------------|
|   | Classify Non-visible Points Toggle |   | Medium Rectangular Brush |   | Medium Circular Brush   |   | Undo Last Edit            |
|   | Source Points Filter               |   | Large Rectangular Brush  |   | Large Circular Brush    |   | Redo Last Edit            |
|  | Small Rectangular Brush            |  | Small Circular Brush     |  | Classify Within Polygon |  | Destination Class & Flags |



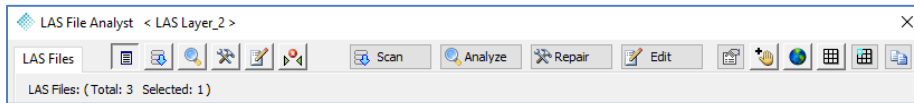
|   |  |   |  |   |                        |   |                                  |
|---|--|---|--|---|------------------------|---|----------------------------------|
|  | Select Features By...                  |  | Create Features from...                |  | Delete Vertex          |  | Enable Auto-Z Mode...            |
|  | Select by Left Click or Drag Rectangle |  | Create Features from Selected Features |  | Edit Powerline Feature |  | Enable Auto-Z Surface Mode       |
|  | Select by Polygon                      |  | Buffer Geometry                        |  | Reshape Geometry       |  | Enable Auto-Z Constant Mode      |
|  | Select by Lasso                        |  | Union Geometry                         |  | Split Geometry         |  | Show Feature Analyst Dialog      |
|  | Save Feature Edits                     |  | Intersect Geometry                     |  | Merge Line             |  | Show Schema Editor Dialog        |
|  | Discard Feature Edits                  |  | Assemble Multipart Feature             |  | Simplify Geometry      |  | Show Feature Edit Options Dialog |
|  | Create Feature Layer                   |  | Disassemble Multipart Feature          |  | Respace Geometry       |  | Undo Feature Edits               |
|  | Create Feature                         |  | Edit Vertices                          |  | Reverse Geometry       |  | Redo Feature Edits               |
|  | Create Seawall Feature                 |  | Add Vertex                             |  | Double Line Drain      |  | Delete Selected Features         |



|  |  |  |  |  |                                     |  |  |
|--|--|--|--|--|-------------------------------------|--|--|
|  | View Feature, Parts, or Vertices       |  | Window Centering                             |  | Show/Hide Descriptive Headings      |  | Export Feature Analyst Results to Shapefiles |
|  | Select/Move to 'First' item in list    |  | Window Fitting                               |  |                                     |  | Undo/Redo Most Recent Undone Edit            |
|  | Select/Move to 'Previous' item in list |  | Image Explorer Toggle                        |  | Show Feature Analyst Options Dialog |  | Delete Selected Items                        |
|  | Select/Move to 'Next' item in list     |  | Analyze all Features                         |  | Refresh                             |  | Filter by text in Field                      |
|  | Select/Move to 'Last' item in list     |  | Enable/Disable Automatic Analyze of Features |  | Copy all rows in list to clipboard  |  | Clear filter text/columns                    |



|  |                 |  |                |  |                         |
|--|-----------------|--|----------------|--|-------------------------|
|  | Add a New Field |  | Remove a Field |  | Modify Field Properties |
|--|-----------------|--|----------------|--|-------------------------|











|  |                                   |  |   |  |                              |  |                                    |
|--|-----------------------------------|--|---|--|------------------------------|--|------------------------------------|
|  | Show/Hide LAS File Header Columns |  | Select Display Type for Analyze Columns |  | LAS File Analyst Options     |  | Copy all rows in list to clipboard |
|  | Show/Hide Scan Columns            |  | Execute Scan                            |  | Window Centering             |  |                                    |
|  | Show/Hide Analyze Columns         |  | Execute Analysis                        |  | Window Fitting               |  |                                    |
|  | Show/Hide Repair Columns          |  | Execute Repair                          |  | Display Boundaries           |  |                                    |
|  | Show/Hide Edit Columns            |  | Execute Edit                            |  | Select LAS Files Graphically |  |                                    |




|  |                                       |  |                                      |  |                                   |  |                                       |
|--|---------------------------------------|--|--------------------------------------|--|-----------------------------------|--|---------------------------------------|
|  | Fit the Image in Primary Windows      |  | Identify Point                       |  | Marker Display Toggle             |  | Zoom in All Overview Windows          |
|  | Display 1:1 Primary Windows           |  | Set All Image Views to Pan/Zoom Mode |  | Overview Windows Display Toggle   |  | Zoom Out All Overview Windows         |
|  | Display 2:1 Primary Windows           |  | Flash Photo Mode                     |  | Undistort Primary Windows Toggle  |  | Pan to Marker in All Overview Windows |
|  | Zoom in Primary Windows               |  | Select Left Primary Image Mode       |  | Fit the Image in Overview Windows |  |                                       |
|  | Zoom Out Primary Windows              |  | Select Right Primary Image Mode      |  | Display 1:1 Overview Windows      |  | Recompute Photo Drives                |
|  | Pan to Marker in Both Primary Windows |  | Measure Object Point                 |  | Display 2:1 Overview Windows      |  | Image Explorer Settings               |

### Job Manager

-  Open Project
-  Post-Process
-  Delete Job
-  Cancel Job
-  View Log
-  View Report
-  File Explorer
-  Compute Sizes

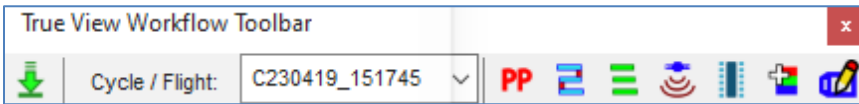
### LP360 Cloud Tools











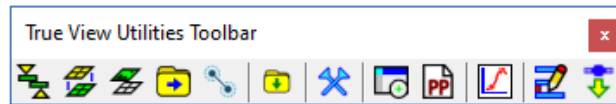
|   |                           |
|---|---------------------------|
|  | LP360 Cloud LAS Uploader* |
|---|---------------------------|












### LP360 Drone Tools

The following toolbars and tools are exclusively available with an LP360 Drone license.



|   |                          |   |                              |   |                      |
|---|--------------------------|---|------------------------------|---|----------------------|
|  | TrueView Import Wizard   |  | Auto Create Flight Lines     |  | Strip Adjustment*    |
| Cycle / Flight:   | Active Cycle / Flight    |  | Create TrueView Trajectories |  | Colorize Point Cloud |
|  | POSPac Processing Wizard |  | Geocode LIDAR                |  | Update EXIF Tags     |



|   |                              |   |                          |   |  |   |   |
|---|------------------------------|---|--------------------------|---|--|---|---|
|  | LP360 Strip Align*           |  | Export Photo Package     |  | Strip Calibration*                                       |  | Create Flight Lines from Selected Trajectory Points |
|  | Agisoft Ortho Mapping (MfE)* |  | TrueView Archive Manager |  | TrueView Update Utility                                  |  | Show Live Stream Flight Dialog                      |
|  | Ortho Mapping*               |  | Survey Nail Manager      |  | View Post Processed Trajectory Report (3DIS)/Plot (2DIS) |   |   |

\*Require additional licenses or LP360/TrueView Points.