Features	Origin Max	Origin GNSS	Origin TS	Origin LT
File				
Linked Files: JOB, CSV & TXT, DXF, LandXML	•	•	•	•
Linked Files: RXL, GENIO	•	•	•	
Import Control (CSV, TXT)	•	•	•	•
Customizable Export via Stylesheets	•	•	•	•
Send / Receive via cloud	•	•	•	•
Copy job files to/from	•	•	•	

Job	Origin Max	Origin GNSS	Origin TS	Origin LT
Review job	•	•	•	•
Point manager	•	•	•	•
QC Graph	•	•	•	
Edit points & polylines	•	•	•	•
Auto real-time linework	•	•	•	
Favorites & Fn keys	•	•	•	•
Multiple sets of Favorites & Fn keys	•	•	•	
Job templates; Metric, Int Feet, & US Feet Scale factor only	•	•	•	•
Job templates; New, Import, Edit	•	•	•	
Calculator	•	•	•	•

Survey (Conventional Mode)	Origin Max	Origin GNSS	Origin TS	Origin LT
Survey styles	•		•	•
Integrated survey	•		•	•
Station setup single backsight	•		•	•
Station setup multiple backsights	•		•	
Resection setup	•		•	•
Refline station setup	•		•	
Remote elevation	•		•	
Station setup; Use last			•	•
Station setup; Copy last			•	
Measure rounds	•		•	•
Measure codes	•		•	•
Continuous topo	•		•	•
Continuous topo	•		•	•
Angles & distance	•		•	•
Angles only, H. Angle only	•		•	•
Angle offset, H. Angle offset, V. Angle offset	•		•	•
Distance offset	•		•	•
Dual-prism offset	•		•	
Circular object	•		•	
Remote object	•		•	
Measure to surface	•		•	
Measure points on a plane			•	
Measure 3D axes	•		•	
Robotic + Servo	•		•	
Check point	•		•	
GDM & NMEA data output	•		•	

Survey (GNSS Mode)	Origin Max	Origin GNSS	Origin TS	Origin LT
Survey styles	•	•		•
Base & Rover setup	•	•		•
Swap base receiver	•	•		
Satellite information	•	•		•
Import files from receiver	•	•		•
GNSS functions	•	•		•
Measure points; Topo	•	•		•
Measure points; Rapid, Obs control, Calibration,	•	•		
Measure points; Compensated, MultiTilt	•	•		
Measure points with vertical offset	•	•		•
Measure codes	•	•		
Continuous topo; Fixed time, Fixed distance, Stop & go	•	•		•
Continuous topo; Time & distance, Time or distance	•	•		
QC1, QC2, QC3	•	•		•
Site calibration	•	•		•
GPS, L2e, L2C, GLONASS, Galileo, QZSS, BeiDou	•	•		
L5	•	•		
SBAS	•	•		•
Independent SV subset A/B measurement	•	•		
eBubble	•	•		
GNSS contacts	•	•		
Laser rangefinder	•	•		
Echo sounder	•	•		

Stakeout	Origin Max	Origin GNSS	Origin TS	Origin LT
Stake point list	•	•	•	•
Stake point with auto-increment	•	•	•	
Stake closest	•	•	•	
Stake point offsets	•	•	•	
Stake lines; To the line	•	•	•	•
Stake lines; Station on line	•	•	•	•
Stake lines; Station/offset from line	•	•	•	•
Stake lines; Slope from line	•	•	•	
Stake lines; Station/skew offset from line	•	•	•	
Stake lines; Distance along line	•	•	•	
Stake arcs; To the arc	•	•	•	•
Stake arcs; Station on arc	•	•	•	•
Stake arcs; Station/offset from arc	•	•	•	•
Stake arcs; Slope from arc	•	•	•	
Stake arcs; Intersect point of arc	•	•	•	
Stake arcs; Center point of arc	•	•	•	
Stake arcs; Station/skew offset from arc	•	•	•	
Stake polylines; To the polyline	•	•	•	•
Stake polylines; Station on polyline	•	•	•	•
Stake polylines; Station/offset from polyline	•	•	•	
Stake polylines; Slope from polyline	•	•	•	
Stake polylines; Station/skew offset from polyline	•	•	•	
Stake polylines; Distance along polyline	•	•	•	
Stake to DTM	•	•	•	
Stake offset to DTM (Vert & Perpendicular)	•	•	•	
Configurable stakeout deltas	•	•	•	•
Define stakeout tolerance	•	•	•	•
Stakeout graphics orientation; North, Sun	•	•	•	•

Features	Origin Max	Origin GNSS	Origin TS	Origin LT
COGO				
Fix station setup; rotate/translate	•		•	•
Key in points	•	•	•	•
Key in line; Two points	•	•	•	•
Key in line; Brng-dist from a point	•	•	•	•
Key in arc; Two points & radius	•	•	•	•
Key in arc; Arc length & radius	•	•	•	
Key in arc; Delta angle & radius	•	•	•	
Key in arc; Intersect point & tangents	•	•	•	
Key in arc; Two points & center point	•	•	•	•
Key in arc; Three points	•	•	•	•
Compute point; Bearing & distance	•	•	•	•
Compute point; Turned angle & distance	•	•	•	•
Compute point; Brng-dist intersect	•	•	•	•
Compute point; Brng-brng intersect	•	•	•	•
Compute point; Dist-dist intersect	•	•	•	•
Compute point; Four point intersection	•	•	•	
Compute point; From a baseline	•	•	•	
Compute point; Project point to line	•	•	•	
Compute point; Project point to arc	•	•	•	
Compute point; Between two points	•	•	•	
Compute point; Between point & line	•	•	•	
Compute point; Between point & arc	•	•	•	
Compute volume	•	•	•	
Compute average	•	•	•	
Area calculations, including subdivide	•	•	•	•
Create surface	•	•	•	
Arc solutions	•	•	•	•
Triangle solutions	•	•	•	
Subdivide; Line & Arc, including offsetting	•	•	•	•
Station & offset; Key in, Review	•	•	•	•

Features	Origin Max	Origin GNSS	Origin TS	Origin LT
Map				
Map centric workflows	•	•	•	•
Map toolbar	•	•	•	•
CAD toolbar	•	•	•	•
Snap-to toolbar	•	•	•	•
Pan to point, Pan to here	•	•	•	•
Configurable Zoom extents	•	•	•	
Map file display				
Visible & Selectable controls	•	•	•	•
- DXF, SHP, LandXML, TTM, CSV & TXT	•	•	•	•
- WMS	•	•	•	
Display; Names, Codes, Elevations, Symbols	•	•	•	•
Display; Stationing	•	•	•	
Filter map by entity type	•	•	•	
Filter map by layer & code	•	•	•	
Explode polylines (DXF, Shape & LandXML)	•	•	•	•
Create nodes (DXF, Shape & LandXML)	•	•	•	•
Map COGO & Surveying				
Functions available from Map	•	•	•	•
- Measure point	•	•	•	•
- Measure calibration point	•	•		
- Review	•	•	•	•
- Delete point	•	•	•	•
- Navigate to point	•	•	•	•
- Stakeout; Point, Line, Arc, Polyline	•	•	•	•
- Turn to point	•		•	
- Check; Point, Backsight	•		•	
- Key in; Point, Line, Polyline	•	•	•	•
- Key in arc; 3 points	•	•	•	•
- Key in arc; 2 points + center	•	•	•	•
- Create surface	•	•	•	
- Compute area	•	•	•	•
- Compute average	•	•	•	
- Compute volume	•	•	•	
- Compute inverse	•	•	•	•
- Compute intersection; 4 points	•	•	•	
- Compute intersection; 2 lines	•	•	•	
- Subdivide; Line, Arc	•	•	•	•
- Offset; Line, Polyline	•	•	•	•

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