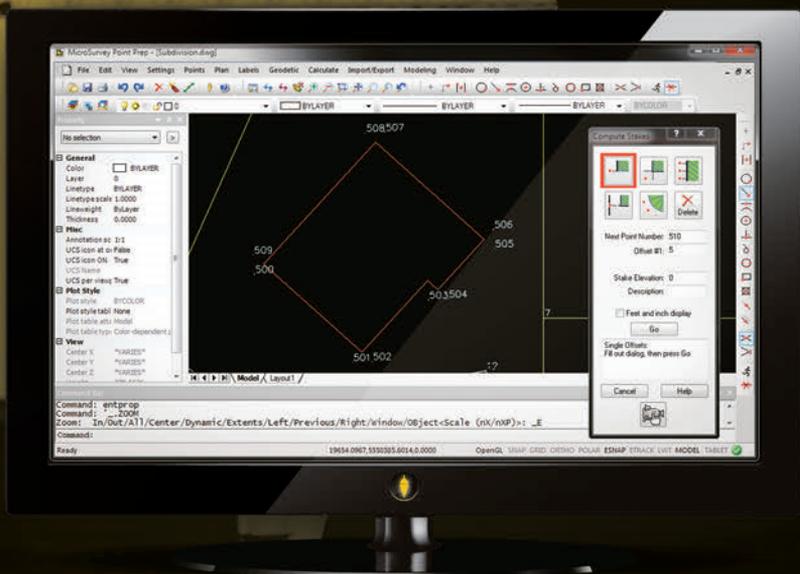




MicroSurvey POINTS PREP



INTRODUCTION

Thank you for your interest in MicroSurvey Point Prep

Point Prep is a simple to use desktop based product designed specifically for the construction layout professional. Point Prep is used to open and save DWG and DXF files and allows you to quickly review, calculate and extract points from a drawing for layout in the field.

About MicroSurvey

For over 25 years, MicroSurvey Software Inc. has developed a family of specialized computer software for land surveyors, civil engineers, mapping technologists, engineering technicians, drafting technologists, police officers, and accident reconstruction specialists. MicroSurvey supports what it builds, and the staff values & listens to its customers.

All MicroSurvey products come with 90 days of FREE support, which includes email and phone support. While on a support plan, you also receive free service packs and upgrades as they become available. Here are some other useful support resources:

Training Material (www.microsurvey.com/helpdesk)

Available for free on the MicroSurvey Helpdesk are hundreds of training videos and articles. No access fees, no limitations. Search the knowledge base for answers to your questions – basic or advanced!

User Forums (www.microsurvey.com/forum)

The user forum is an excellent community in which to bounce questions off other professional users, like you.

Feedback Forum (feedback.microsurvey.com)

The Feedback Forum is a revolutionary tool that allows YOU to direct the development of the MicroSurvey products you buy. It collects your suggestions and allows you to vote on suggestions submitted by the other professionals using the software. Use your votes wisely!

Classroom Training (www.microsurvey.com/training)

Want something a little more hands-on? MicroSurvey invests in the best trainers and training facilities.

Receive instructor-lead training while using your own workstation and copies of all software used in the course.

Call for booking, or view our training schedule online.

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MicroSurvey **LAYOUT**

*Flip booklet over to view
MicroSurvey LAYOUT
product information.*

www.MicroSurvey.com
1-800-668-3312

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Point Prep OVERVIEW

REVIEW, CALCULATE AND EXTRACT POINTS TO SAVE TIME IN THE FIELD

What is Point Prep?

- MicroSurvey Point Prep is an easy to use desktop program designed specifically for construction layout and MEP contractors. Point Prep will help you prepare all of the field data you'll need on a job site before leaving the office.
- Open AutoCAD DWG and DXF files with Point Prep and use the many built-in tools to help you hide or eliminate unnecessary data. Point Prep makes it easy to create coordinates, input plan data from paper plans, create point patterns, compute offset points, create DTM models and prepare as-built drawings.
- MicroSurvey Point Prep syncs easily with MicroSurvey Layout so points and drawing data can be easily used at the job site for layout.

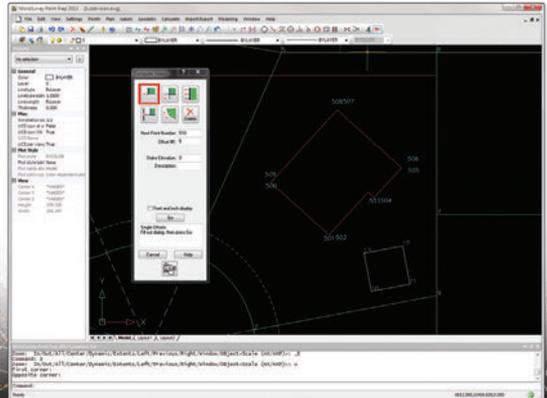


Point Prep FEATURES

THE VALUE OF INTELLICAD

With the IntelliCAD engine, Point Prep provides the same accuracy and precision of full AutoCAD based products. The Point Prep toolset is easy to learn and use even without prior CAD experience. Yet AutoCAD-trained users can leverage their knowledge and take full advantage of Point Prep's advanced CAD capabilities.

MicroSurvey Point Prep files are compatible with AutoCAD. With Point Prep, all your files are stored in industry standard DWG format. No conversions are necessary.



SYSTEM REQUIREMENTS

MicroSurvey Point Prep runs on Windows operating systems (Windows XP through Windows 8). We suggest the following basic system requirements as a minimum for efficient operation:

- Pentium processor – 2GHz or better
- 2GB RAM (or more if you are working in large drawings)
- 10 Gigabytes free hard disk space
- Video resolution set to 1024x768 or higher
- Mouse, digitizing tablet or other pointing device
- Available USB port for the USB license key



Point Prep FEATURES

FITS INTO YOUR EXISTING WORKFLOW

Contractor Friendly

- MicroSurvey Point Prep is designed for the construction market.
- Point Prep is streamlined for preparing layout and as-built work, and for creating professional CAD drawings from that work.



Easy Calculations

- Quickly and accurately enter measurements from a paper plan.
- Compute distances, angles, areas, and volumes with the powerful and easy-to-use calculating tools.
- Compute points with Point Prep's powerful coordinate geometry (COGO) tool.



Coordinate AutoCAD Drawings

- Instantly add coordinates to existing AutoCAD DWG and DXF drawing files.
- Work with drawings received from engineers, sub-contractors, or other third parties.
- Select existing point nodes, lines, arcs, polylines, blocks, and more to accurately create points in your database, with no calculations or hand entry needed!



Drawing Preparation Tools

- Point Prep contains several tools designed to remove much of the CAD work from preparing a CAD drawing for layout.
- Use the Rescale Drawing Wizard to instantly transform a drawing from one unit to another (ie. inches to feet).
- Use the Drawing Cleanup Wizard to quickly simplify a drawing by removing unwanted entities.
- Use the align drawings command to easily align drawing data from one drawing to another, or from one coordinate system to another.
- The Draworder Wizard can be used to fix common draworder problems so that important data in a drawing is not obscured.
- Import and export LandXML .xml files containing points, figures, surface models, and more.



Point Prep FEATURES

CALCULATE AND VERIFY

Active Drawing Technology

- MicroSurvey's Active Drawing Technology is an efficient way to work with your data in an intuitive yet powerful spreadsheet view.
- Use the Points Database to Verify, Edit, and Print your points database. Read notes, view photo notes, and listen to voice notes recorded with MicroSurvey Layout, view your points in Google Maps, and use the built-in History tool to review any changes.
- Use the Measurements Database to Verify and Print your layout and as-built measurement data. Highlight relevant points in your drawing by selecting their measurement records in the database. Instantly generate layout cutsheet reports that summarize what points have been located, along with point deviations and cut/fill values, and an intuitive spreadsheet view.



DTM Surface Modeling

- With MicroSurvey's powerful surface modeling engine, you can build surface models with ease.
- Use points and existing linework to create a surface and break lines.
- Create 3D TIN models.
- Create contour lines.
- Label contour lines.
- Create profiles.



Volume Calculations

- Volumes are computed fast and easy.
- Use the entire surface model, or constrain it within a specific area.



Visit the MicroSurvey website to watch videos on each of these features. Or to download a 30-day demo.



TAKE CONTROL OF YOUR WORKFLOW

MicroSurvey Layout Integration

- Point Prep syncs easily with MicroSurvey Layout.
- Download and import Layout staking data for cut sheet generation.

*Flip booklet over to view
MicroSurvey Layout
product information.*

Pricing

MicroSurvey Point Prep	\$1,295
Maintenance Support Plan (1 year)	\$245



MicroSurvey® LAYOUT



INTRODUCTION

Thank you for your interest in MicroSurvey Layout

Layout is a simple-to-use graphical field product designed specifically for the construction layout professional. Used on its own, or in conjunction with Point Prep, MicroSurvey Layout gives you all the tools you need to layout your points and lines accurately and easily.

About MicroSurvey

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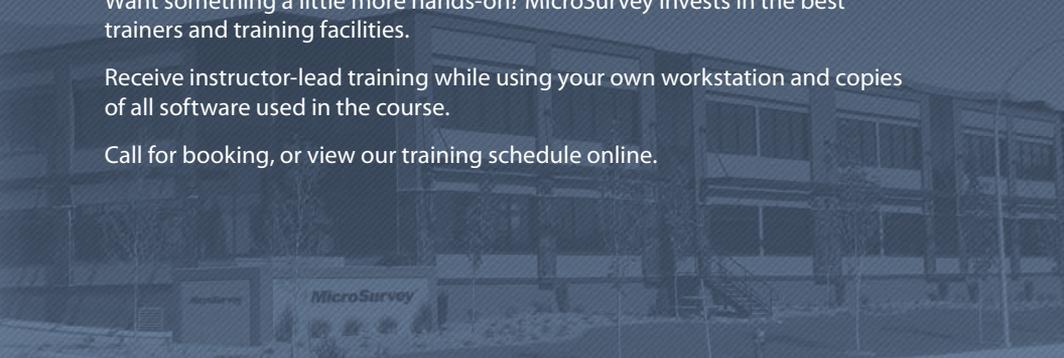


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MicroSurvey **POINT Prep**

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MicroSurvey Point Prep
product information.*

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SUPPORTED HARDWARE

SUPPORTED ON OVER 200 DEVICES/INSTRUMENTS

Data Collector Support:

- **Works** on Windows CE devices, Windows Mobile 5 and 6 devices, as well as Windows 7/8 tablets.

Windows Tablets and Portable PCs:

- **Excellent** for tablet devices such as the Leica iCON CC65/66, Algiz 10X by Handheld and the Mesa Rugged Notepad by Juniper Systems.
- **When** used with a tablet, included with MicroSurvey Layout is support for the new Leica 3D Disto and the Nova MS50 (video scanning).



Conventional/Robotic Total Station and RTK GPS Systems Support:

- **Layout** supports virtually all conventional total stations dating back to the early '90s. Layout has built-in support for all major manufacturers' robotic total stations and RTK-grade GPS systems as well.

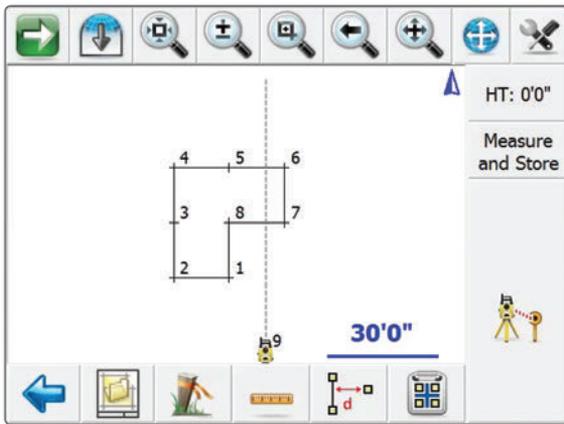


Layout OVERVIEW

FOR THE CONSTRUCTION LAYOUT PROFESSIONAL

What is MicroSurvey Layout?

- MicroSurvey Layout is a simple to use locating program designed specifically for construction layout and MEP contractors.
- Used on its own, or in conjunction with Point Prep, MicroSurvey Layout gives you all the tools you need to layout your points accurately and easily.
- Also included is an as-built mode that allows you measure existing points on a job or pickup points needed for earthwork quantities.



FITS INTO YOUR EXISTING WORKFLOW

Contractor Friendly

- Streamlined interface with two modes: Layout and As-built.
- Layout mode includes all the tools you need to locate points, lines, arcs, and DXF drawing entities.
- As-built mode includes tools to perform a topographic survey or to collect as-built data.



Easy Plan Entry

- Built-in Plan entry tool allows you to easily take design measurements from a paper plan and enter them directly into Layout to create a digital version of the drawing.
- Template creator allows you to save your entered plan so it can be used in other projects.



Easy Setup

- Reference Point routine allows you to measure to two or more known points to establish your total station location so you can begin to work quickly.
- Reference Point Check allows you to confirm at any time during your workday that your total station position is still valid and accurate.



Easy Layout

- Graphically stake points with directional grids, compass, or map mode.
- Graphically stake DXF cad drawings by selecting DXF entities from the map screen.
- Staking list allows you to manage your day's work by selecting the points you plan on staking and Layout will automatically guide your process.



Offsets and Point Patterns

- Lines and arcs can be offset to the left or right or both by a specific distance.
- Compute points down and out from a line or arc.
- Partition lines or arcs by defining a distance, or a number of divisions along the line or arc.
- Compute point offsets between points.
- Input point patterns and then apply them to points in your project for layout.



TOP FEATURES

CALCULATE AND VERIFY

As-built and Topographic Tools

- As-built routines are built-in so you can measure existing conditions for as-built reports or drawings.
- Easily record points with elevation that can be exported to other third party applications.
- Record data for cut / fill analysis, volume calculations or DTM model creation.



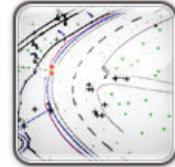
Video Stream Point Scanning

- Multiple practical scanning methods including rectangular, polygonal, full dome, and half dome.
- Use total station onboard cameras to easily define complex scan areas.
- Complete scan data transfer and export in one simple click.
- Easily filter out unwanted background areas.



Road Alignment Layout

- Input alignment data from paper drawings into the built-in alignment editor.
- Input horizontal alignment, vertical profiles and templates.
- Easy to use stakeout tools.



Advanced Display and Platforms

- Easy to use map screen has all the tools you need to layout data and collect as-built details.
- Easy to use menu structure.
- Two modes Layout and As-built separate the layout and as-built process making it more streamlined and intuitive.
- Both portrait and landscape devices supported.



Equipment Support

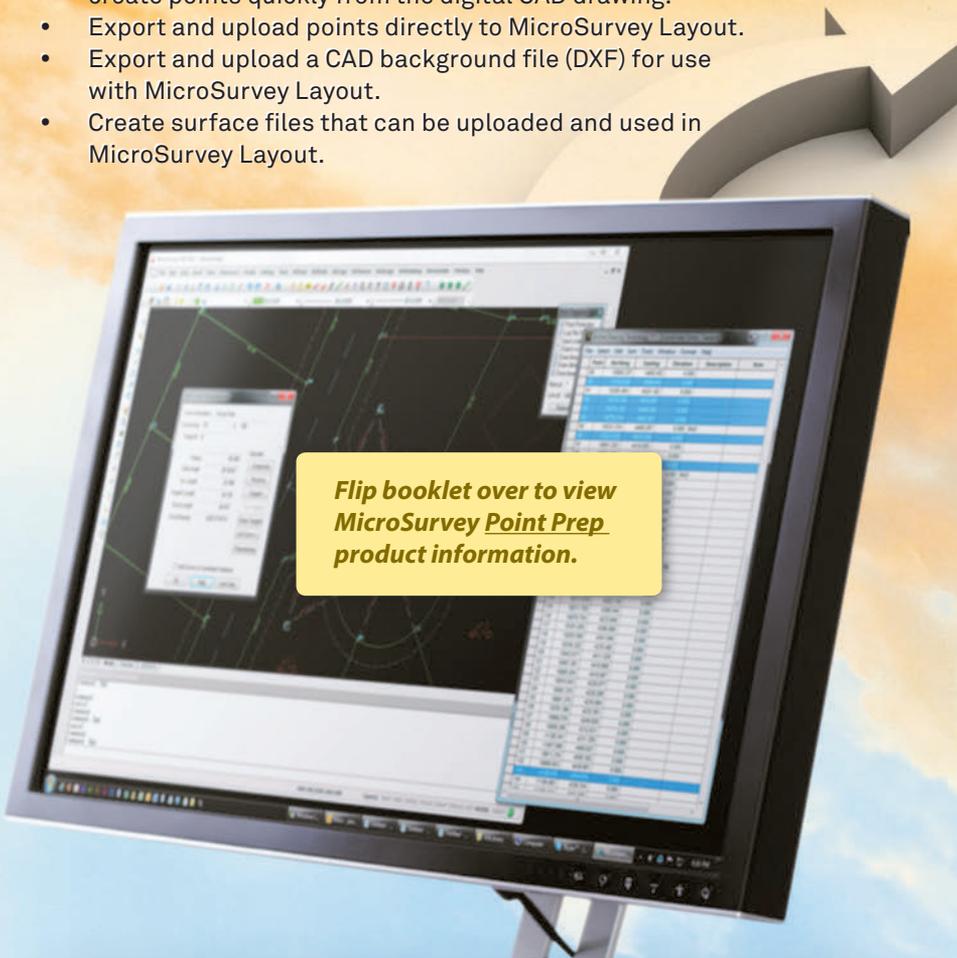
- Conventional non-robotic instruments supported
- Robotic instruments supported
- GPS Base and Rover systems supported
- Network corrected GPS Rover systems supported
- Leica 3D Disto supported



TAKE CONTROL OF YOUR WORKFLOW

Point Prep (Desktop Companion)

- Open Autodesk DWG and DXF files with Point Prep and create points quickly from the digital CAD drawing.
- Export and upload points directly to MicroSurvey Layout.
- Export and upload a CAD background file (DXF) for use with MicroSurvey Layout.
- Create surface files that can be uploaded and used in MicroSurvey Layout.



***Flip booklet over to view
MicroSurvey Point Prep
product information.***

Pricing

MicroSurvey Layout	\$995
MicroSurvey Layout Professional *	\$1,995
MEP Module	\$1,000
Maintenance Support Plan (1 year)	\$195

* Visit the MicroSurvey website to browse the Layout Pro features