Precision Laser & Instrument, Inc.

www.laserinst.com

Construction • Survey • GIS

Sales • Service • Rentals • Training • Support

Spectra Precision Survey Pro Software Tech Day

Precision Laser & Instrument, Inc. and Spectra Precision are pleased to invite you to an upcoming Survey Software Tech Day!

Survey Pro and Survey Office remain among the most well-known pieces of surveying software in the industry, and, as with the surveying industry itself, have been a story of continuous evolution and improvement that have become fundamental tools for the modern surveyor.

Join us as we review the software functions and highlight the customization options, shortcuts, tips and tricks that can enhance your productivity, field-to-office!

Survey Pro Software Agenda:
- Coordinate system management
- Data management (import/export/reports/workflows)
- Customizations, configurations and profiles
- Survey and stakeout options
- Active map: backgrounds, linework, COGO, surveying
- Nikon mechanical total stations
- Spectra Precision robotic total stations
- Spectra Precision GNSS receivers
- Live Q&A

Survey Office Software Agenda:
- SPSO Basics:
- Program overview
- Licensing
- Project creation
- Data import
- Post-processing
- Data export

Course Cost:
$150.00 Per Person
Payment via customer account, check, cash or credit card via mail, in-person or over-the phone.
BREAKFAST, LUNCH & REFRESHMENTS PROVIDED!
6 PDH/CEU Credits Available!

Spectra Precision Survey Software Tech Day 2017

Dates: **Day 1:** Wednesday, August 23rd, 2017 | **Day 2:** Thursday, August 24th, 2017

Times: **Survey Pro & Survey Office Software:** 8am-12pm, 1pm-3pm **(LUNCH PROVIDED!)**

Location(s): Precision Laser & Instrument, Inc.
2567 S. Arlington Road, Suite 5 | Akron, OH 44319
Ph: 330.633.4900 | Fax: 330.633.4999

Locations:

Ambridge, PA (HQ):	724.266.1600
Columbus, OH:	614.759.1000
Cincinnati, OH:	513.539.0022
Akron, OH:	330.633.4900
Charleston, WV:	304.776.1831
Bridgeport, WV:	304.933.3036

6 Locations

Akron
Ambridge
Columbus
Cincinnati
Bridgeport
Charleston

Email RSVP's to PLI@laserinst.com

SPECTRA PRECISION

"We're focused on YOU!"

Survey Pro Software Functions

Legend:
- ● Survey Standard
- ▲ Survey Pro
- ◆ Survey Pro Robotics
- ■ Survey Pro GNSS
- ★ Survey Pro Max

TITLE BAR/TASK BAR/MENU

Function	●	▲	◆	■	★
Toggle collection mode (total station/GNSS)				■	★
Battery status indicator	●	▲	◆	■	★
Map access button	●	▲	◆	■	★
Editable quick picks	●	▲	◆	■	★
Home screen	●	▲	◆	■	★
Build your own custom menu	●	▲	◆	■	★

FILE

Function	●	▲	◆	■	★
Import/export JOB, RAW[1], TXT, CSV, LandXML, JobXML, CR5.	●	▲	◆	■	★
Import Control	●	▲	◆	■	★
Backup/Restore	●	▲	◆	■	★

JOB

Function	●	▲	◆	■	★
Edit points/polylines	●	▲	◆	■	★
Edit alignments		▲	◆	■	★
Auto linework (real time)		▲	◆	■	★
View/edit raw data	●	▲	◆	■	★
View DTM		▲	◆	■	★
Manage layers	●	▲	◆	■	★
Calculator	●	▲	◆	■	★
AU Conversions	●	▲	◆	■	★

SURVEY (CONVENTIONAL MODE)

Function	●	▲	◆	■	★
Backsight setup	●	▲	◆	■	★
Multiple point backsight	●	▲	◆	■	★
Traverse/sideshot	●	▲	◆	■	★
Quick shot[4]	●	▲	◆	■	★
Repetition shots	●	▲	◆	■	★
Multiple sideshots	●	▲	◆	■	★
Distance/angle offset	●	▲	◆	■	★
Corner & 2 lines	●	▲	◆	■	★
Corner & angle	●	▲	◆	■	★
Corner & offset	●	▲	◆	■	★
Corner & plane	●	▲	◆	■	★
Shoot from 2 ends	●	▲	◆	■	★
Resection	●	▲	◆	■	★
Remote elevation	●	▲	◆	■	★
Check point	●	▲	◆	■	★
Bluetooth support (Recon)	●	▲	◆	■	★
Solar observation		▲	◆	■	★
Remote control			◆		★
Fine turning			◆		★
Tap to turn			◆		★
Surface Scan[2]		▲	◆	■	★

STAKEOUT

Function	●	▲	◆	■	★
Quick stake[4]	●	▲	◆	■	★
Cut/fill to design grade	●	▲	◆	■	★
Generate cut sheet data	●	▲	◆	■	★
Turn instrument to stake with 2-D and 3-D modes			◆		★
Remote stake from rod			◆		★
Stake points/list of points	●	▲	◆	■	★
Stake to line/polyline	●	▲	◆	■	★
Offset staking		▲	◆	■	★
Slope staking from line or point		▲	◆	■	★
Stake to line and offset	●	▲	◆	■	★
Stake to curve and offset	●	▲	◆	■	★
Stake to spiral and offset		▲	◆	■	★
Stake DTM		▲	◆	■	★
Define a location	●	▲	◆	■	★
Where is next point	●	▲	◆	■	★
Slope stake from a point		▲	◆	■	★
Station staking		▲	◆	■	★

INVERSE

Function	●	▲	◆	■	★
Multiple types	●	▲	◆	■	★

COGO

Function	●	▲	◆	■	★
Point in direction	●	▲	◆	■	★
Intersection	●	▲	◆	■	★
Offset line/points	●	▲	◆	■	★
Corner angle	●	▲	◆	■	★
Compute area	●	▲	◆	■	★
Triangle solutions	●	▲	◆	■	★
Map check	●	▲	◆	■	★
Predetermined area	●	▲	◆	■	★
HD/VD to/from SD/ZA	●	▲	◆	■	★
Station & offset		▲	◆	■	★

CURVE

Function	●	▲	◆	■	★
Curve solution	●	▲	◆	■	★
PI and tangents		▲	◆	■	★
3-point curve		▲	◆	■	★
Radius point	●	▲	◆	■	★
Tangent to circles		▲	◆	■	★
Curve layout	●	▲	◆	■	★
Traverse on a curve	●	▲	◆	■	★
Parabolic curve/layout	●	▲	◆	■	★
Straight grade	●	▲	◆	■	★
Spiral/spiral layout		▲	◆	■	★
Traverse on a spiral		▲	◆	■	★

ROADS

Function	●	▲	◆	■	★
Import from Trimble RXL		▲	◆	■	★
Supports Survey Office roads		▲	◆	■	★
Complete road data supported		▲	◆	■	★
Import from LandXML Roads		▲	◆	■	★
Road Stakeout		▲	◆	■	★
Alignment		▲	◆	■	★
Cross Sections		▲	◆	■	★
Any location		▲	◆	■	★
Station and Offset		▲	◆	■	★
Road Slope Staking		▲	◆	■	★
Designate hinges and slopes		▲	◆	■	★

ADJUST

Function	●	▲	◆	■	★
Scale/translate/rotate	●	▲	◆	■	★
Traverse adjust	●	▲	◆	■	★
Fix Station Setup	●	▲	◆	■	★

MAP VIEWS

Function	●	▲	◆	■	★
Active Background maps					
DXF Layers	●	▲	◆	■	★
DXF Colors	●	▲	◆	■	★
Select objects for survey operations	●	▲	◆	■	★
Active Survey Map					
Collect points	●	▲	◆	■	★
Manage linework	●	▲	◆	■	★
Inverse point to point or line or location	●	▲	◆	■	★
Create Point	●	▲	◆	■	★
Stake to point or location	●	▲	◆	■	★
Show past results	●	▲	◆	■	★
Survey Setup display					
Occupy point	●	▲	◆	■	★
Backsight point	●	▲	◆	■	★
Base location	●	▲	◆	■	★
Rover location	●	▲	◆	■	★
Rod location	●	▲	◆	■	★
Follow me mode	●	▲	◆	■	★

SURVEY (GNSS MODE)

Function	●	▲	◆	■	★
Cell phone/radio modem settings				■	★
GPS/GNSS status				■	★
Network connection manager				■	★
Base/rover setup (Smart Setup)				■	★
Control points				■	★
Collect point, features, offset				■	★
Projection setup/statistics				■	★
Remote elevation				■	★
Projection Calculator				■	★
Receiver file manager[3]				■	★

SETTINGS (GNSS MODE)

Function	●	▲	◆	■	★
Post process				■	★
Map Projection or Calibration (local transformation) modes				■	★
Adjust with projection and control update				■	★
All stakeout functions with GPS receiver				■	★

Please note: This chart is an abbreviated general guide to software functions. All specifications are subject to change without notice.

1. Export Only.
2. Requires motorized instrument.
3. For Spectra Precision and Trimble receivers.
4. Only available on the Nivo C, FOCUS 8 and FOCUS 30.

SURVEY STANDARD™ is a complete data collection package for surveyors. It contains a complete COGO suite as well as traverse, sideshot and staking routines.

SURVEY PRO shares all Survey Standard functions and adds advanced road layout routines, advanced staking routines, attribute collection, DTM routines, and much more.

SURVEY PRO GNSS shares all the Survey Pro functions, and it provides the capability to collect data from RTK GPS/GNSS receivers. The GNSS software is easy to use, reduces training and simplifies setups. All staking functions are supported when using GNSS receivers.

LEVELING MODULE Add Leveling to any module of Survey Pro to add support for level loops, trigonometric leveling, and digital level drivers.

SURVEY PRO ROBOTICS shares all Survey Pro functions and adds support for controlling robotic total stations. Use the data collector at the rod to take measurements, control the instrument, and finish the survey faster than ever before.

SURVEY PRO MAX™ is the ultimate field software. It integrates Survey Pro Robotics and Survey Pro GNSS functions, enabling you to use the same job files with both GPS/GNSS receivers and total stations.

Precision Laser & Instrument, Inc.
85 11th Street | Ambridge, PA 15003
724.266.1600 | PLI@laserinst.com

SPECTRA PRECISION

www.spectraprecision.com