



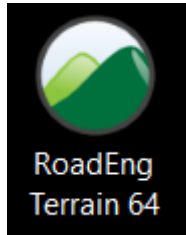
LTI Laser Interface to Softree's RoadEng

for Windows

Quick Reference Guide



Overview



Softree's RoadEng is a Windows application serving the civil engineering industry. In addition to a full interface to conventional surveying equipment and GPS, it also supports the LaserTech TruPulse instruments.

Compatible products

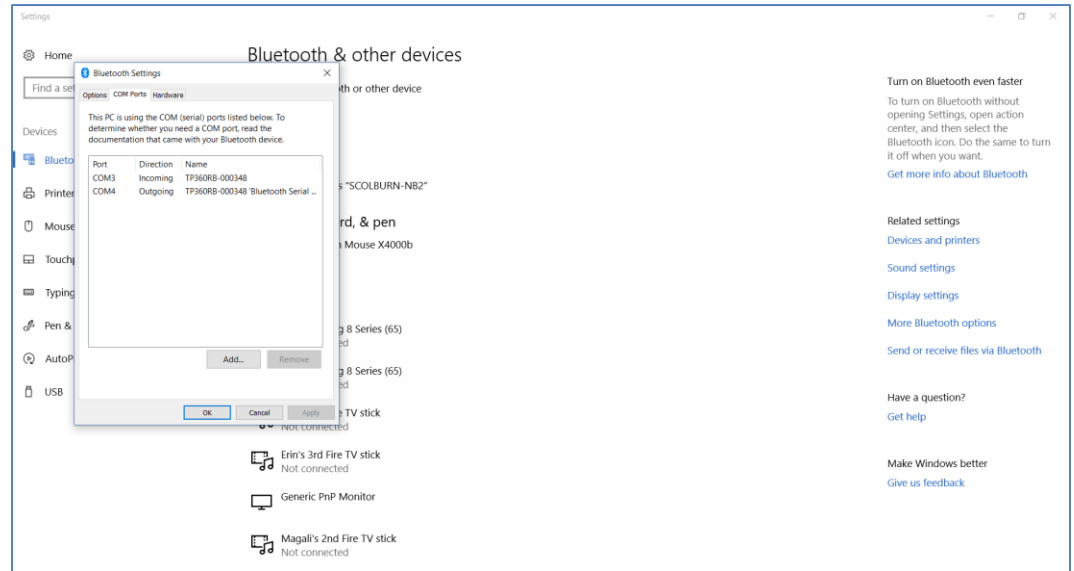
- TruPulse 360/R
- RoadEng ver 8.x

Type of Laser Methods available in RoadEng

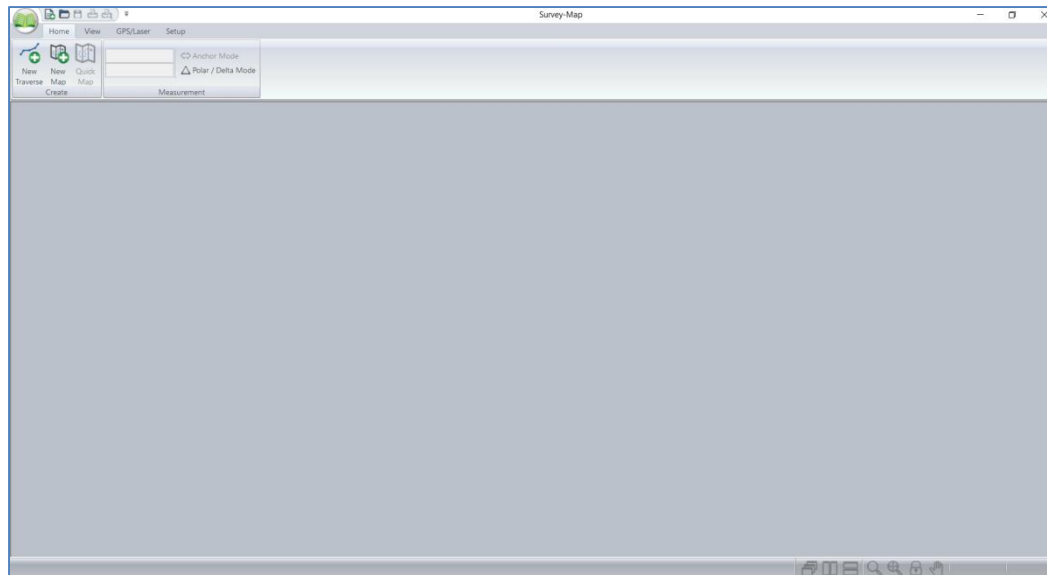
- Distance/Azimuth
 - Measure Slope Distance, Inclination & Azimuth

Setting up the Connection

1. Using the Bluetooth Manager on your Windows device, connect your TruPulse laser and note the Outgoing COM port number assigned to it. In this case it is COM4

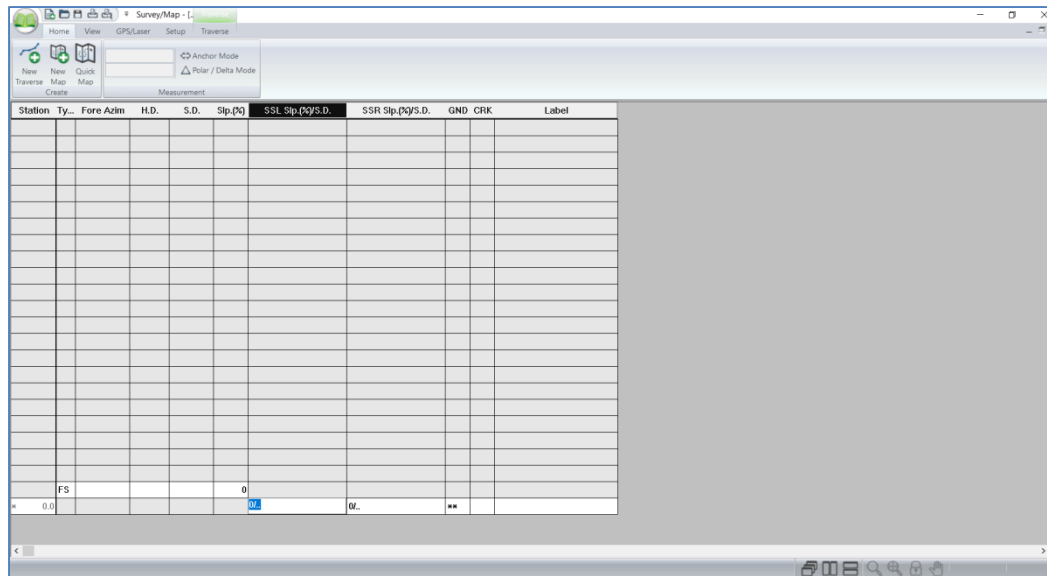
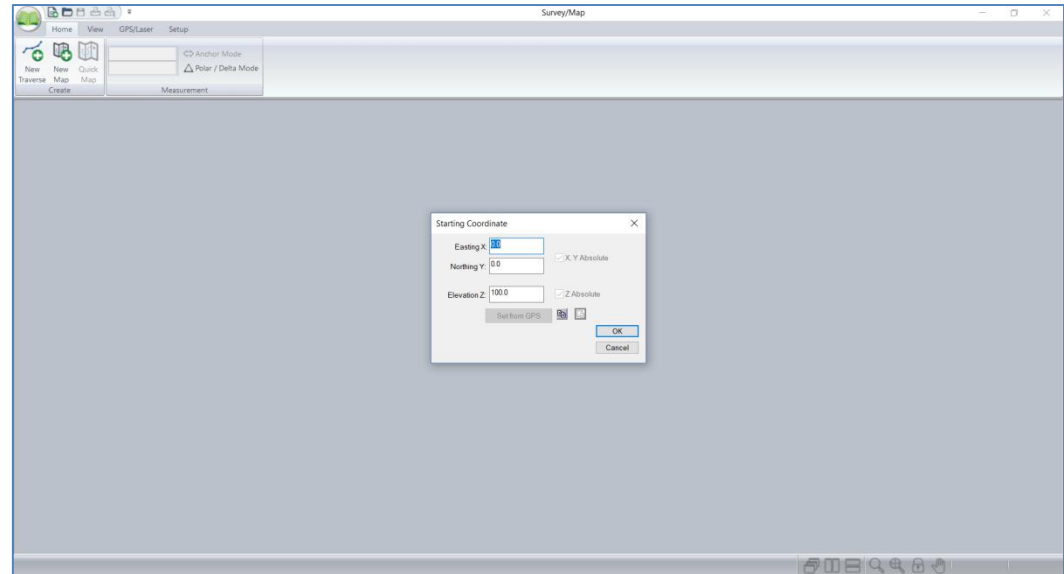


2. Start the RoadEng program on your Windows device and from the Home tab, click on New Traverse



Setting up the Connection

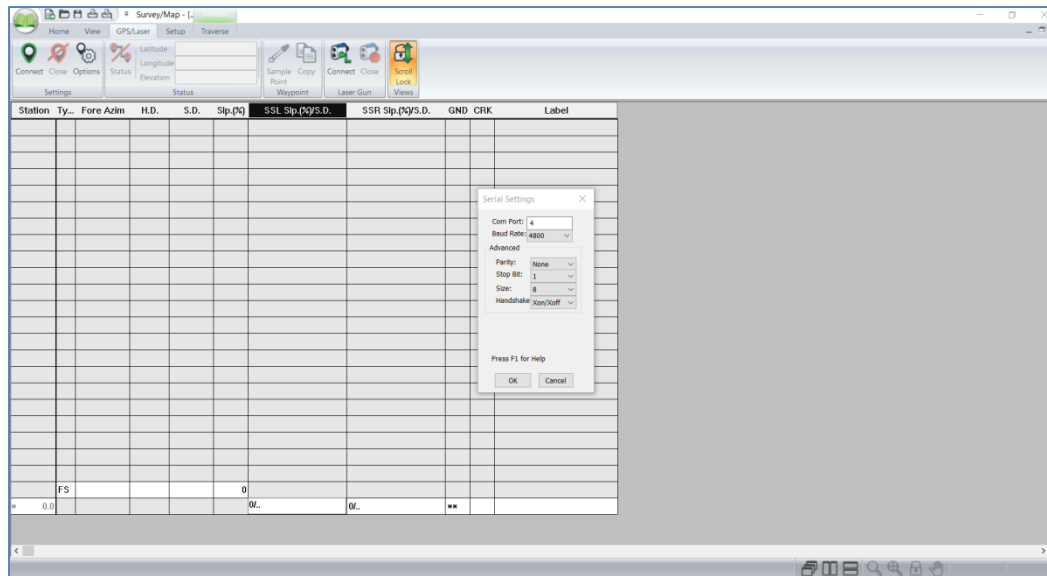
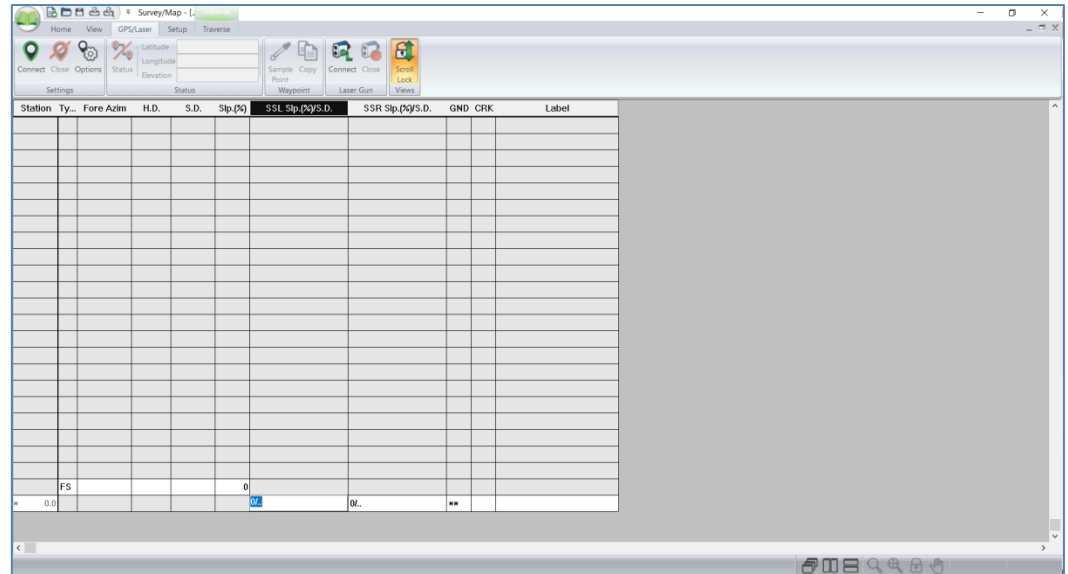
3. Establish your Starting Coordinate by either entering XYZ values or set it from GPS (If connected, refer to manual for instructions)



4. With the Traverse sheet open, click on the GPS/Laser tab along the top

Setting up the Connection

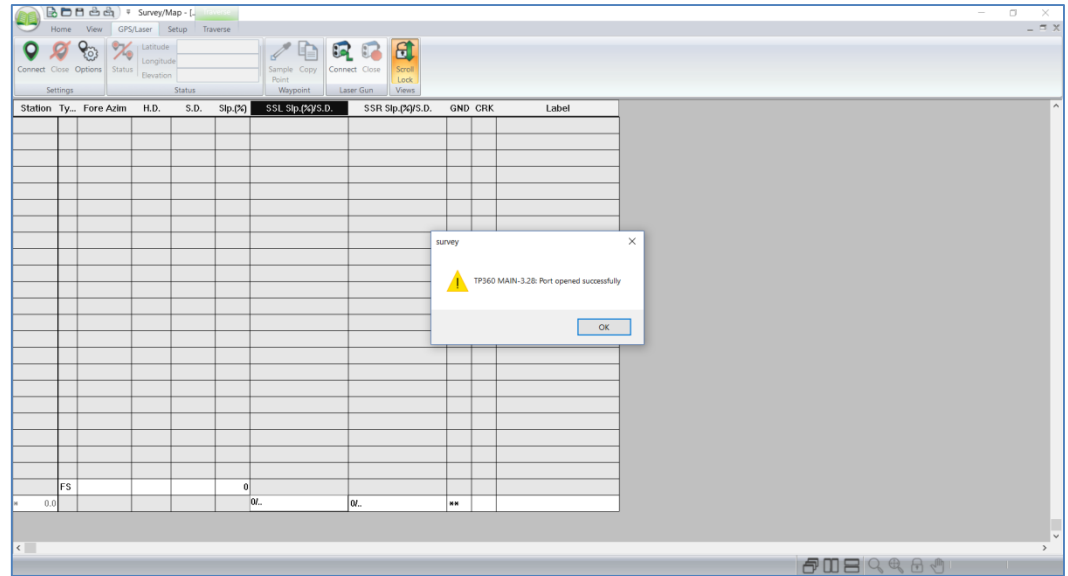
5. Click on the Connect Laser button



6. Select the Com Port number for the laser from the list, ensure the parameters are set as shown and tap OK

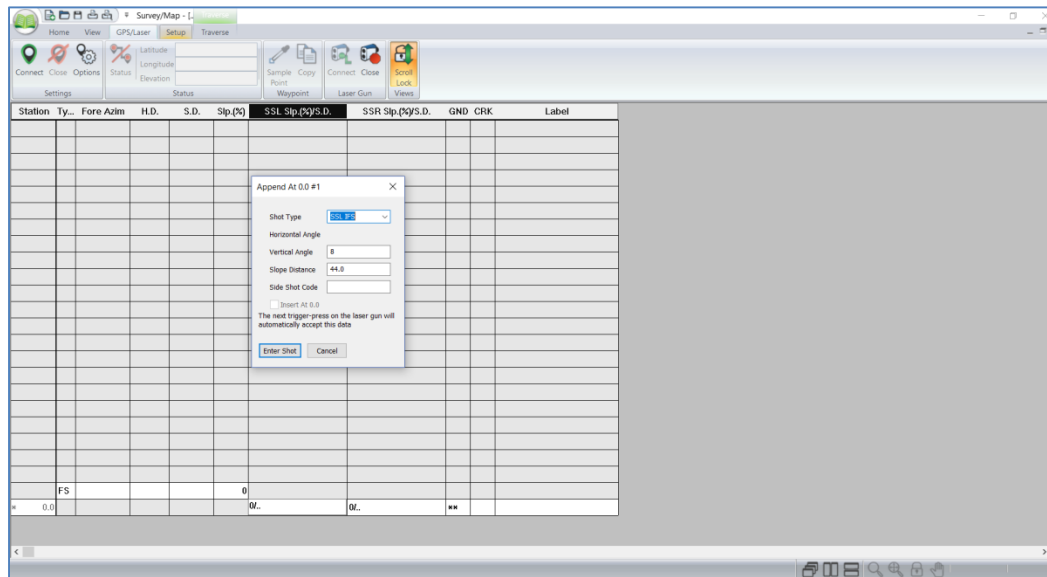
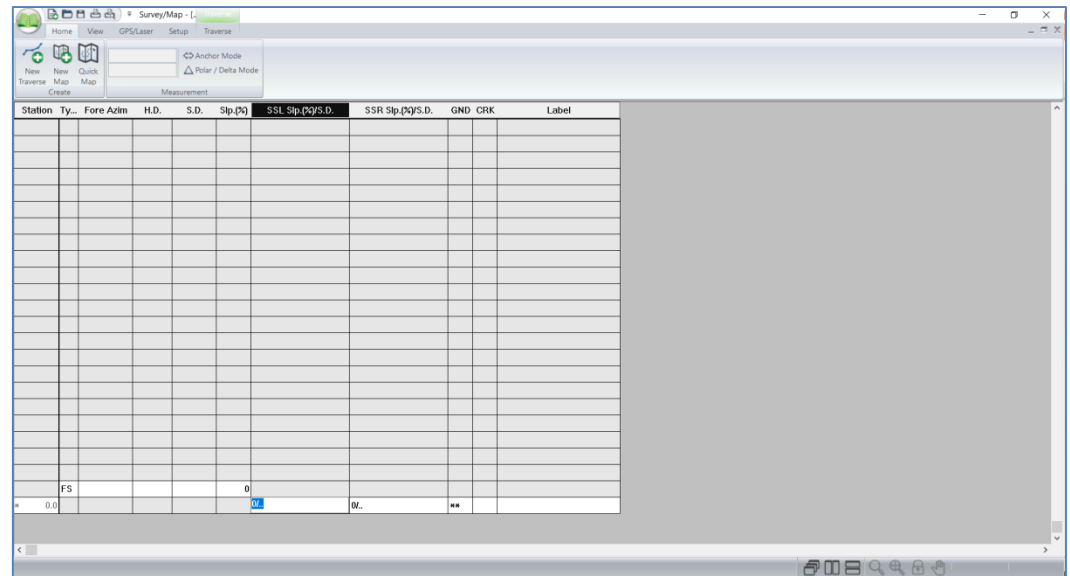
Setting up the Connection

7. A window will appear announcing success in connecting to the laser. Tap OK



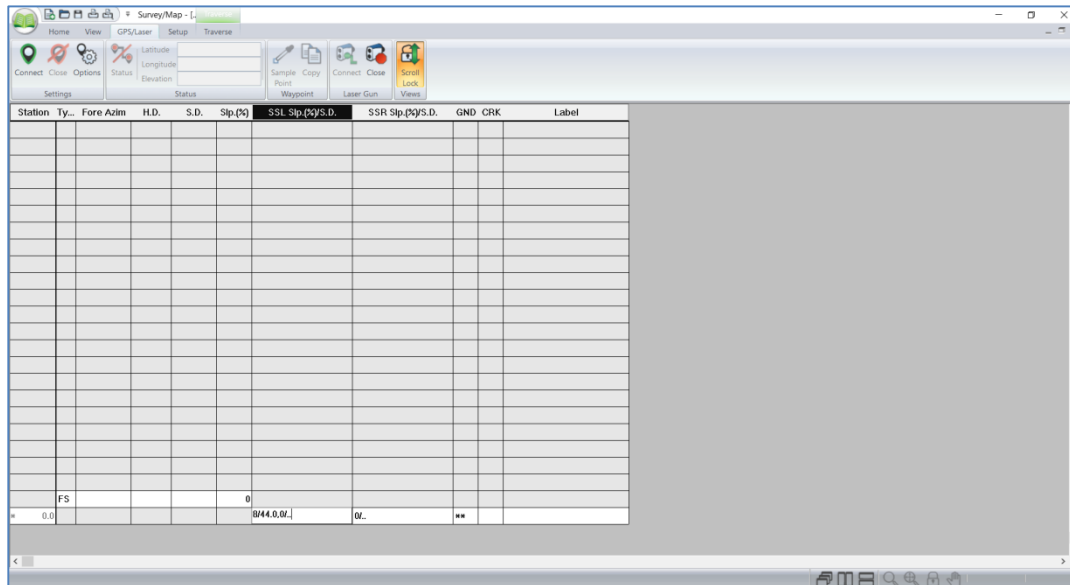
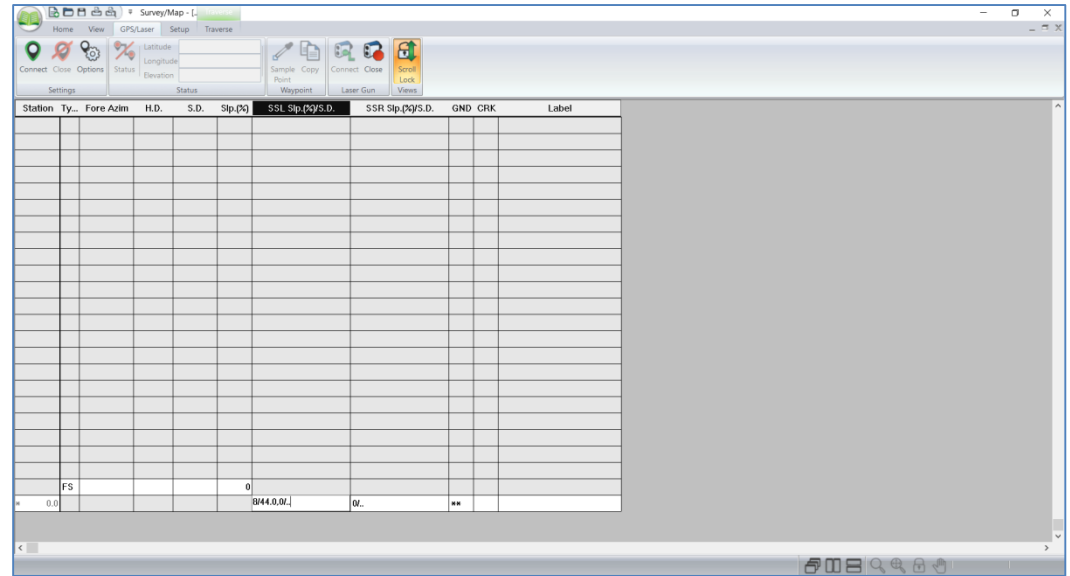
Taking Shots with the Laser

8. To measure a Side Shot, place the cursor at the bottom of the SS Column



9. Aim at the Side target and Fire the Laser. A window will appear showing the point number and measurement data. Choose SS for the Shot Type, Input a Code for the point and tap Enter Shot.

10. The data will appear in the appropriate cell on the Traverse Sheet

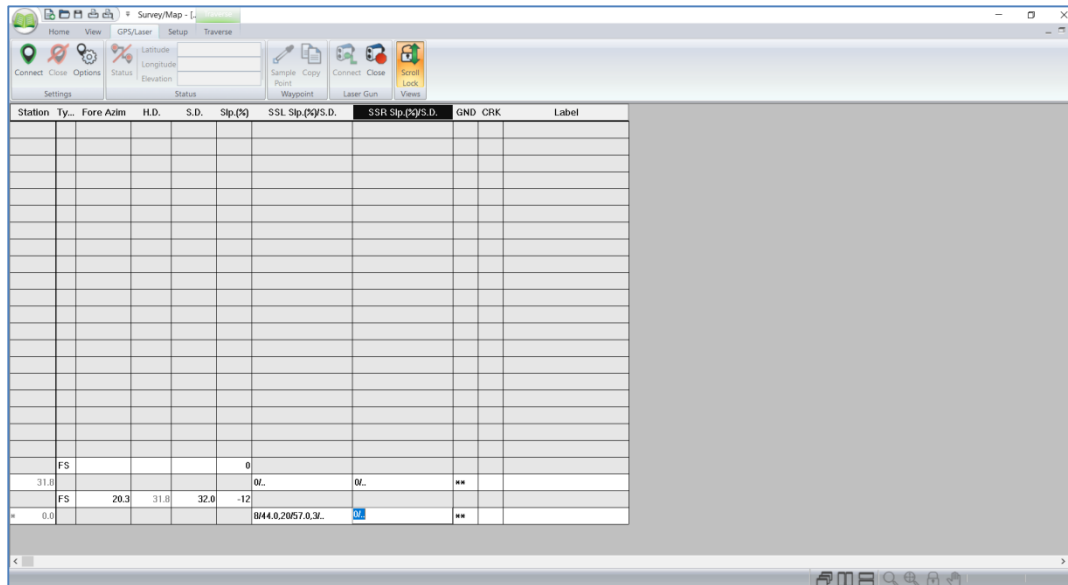
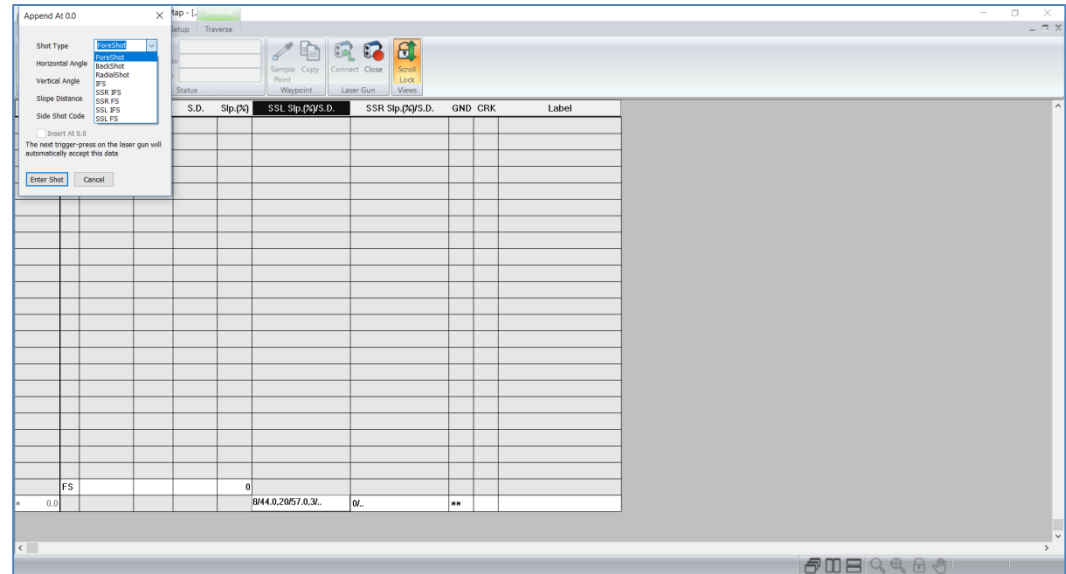


11. To take a Fore shot, place the cursor in the Fore shot column

Taking Shots with the Laser

12. Aim at the Fore target and Fire the Laser. A window will appear showing the point number and measurement data. Choose ForeShot for the Shot Type, input a Code for the point and tap Enter Shot.

*Note: if using a TruPulse 200 model, the Azimuth can be measured and input manually

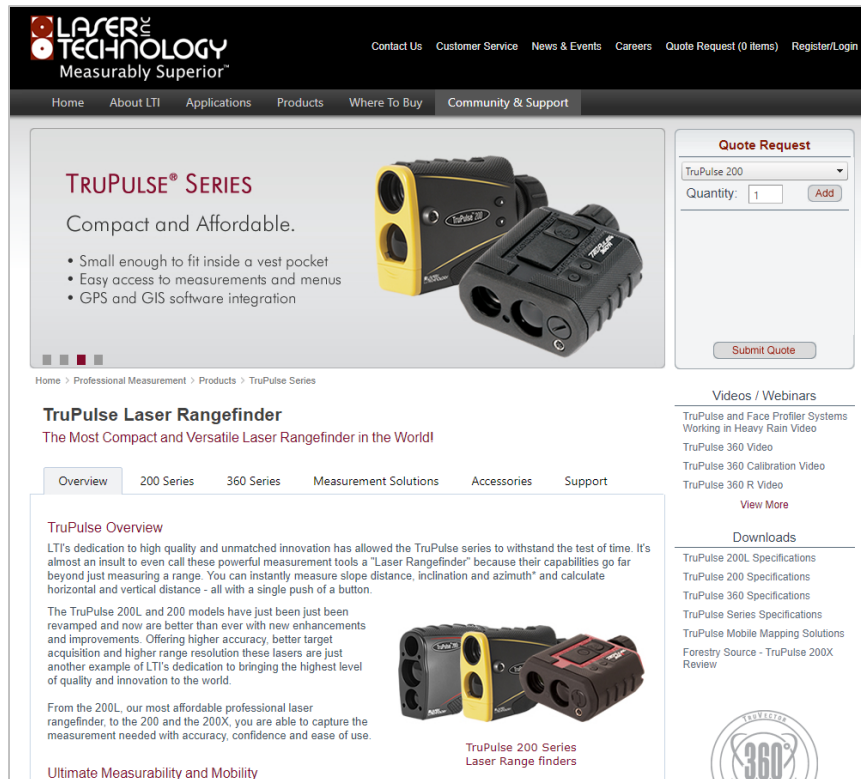


13. The data will appear in the appropriate cell on the Traverse Sheet. Continue in this manner to collect the survey data. Tap Close in the Laser toolbar at the top of the screen to close connection with the laser.

Product Resources

Product Page/User's Guides:

<https://www.lasertech.com/TruPulse-Laser-Rangefinder.aspx>



The screenshot shows the Laser Technology website's product page for the TruPulse Laser Rangefinder. The header includes the company logo and navigation links. The main content area features a large image of the TruPulse 200 rangefinder, a 'Quote Request' form, and a 'Videos / Webinars' section. A sidebar on the right provides an 'Overview' of the product, highlighting its compact size and accuracy. The footer includes a '360°' logo.

TRUPULSE® SERIES
Compact and Affordable.

- Small enough to fit inside a vest pocket
- Easy access to measurements and menus
- GPS and GIS software integration

TruPulse Laser Rangefinder
The Most Compact and Versatile Laser Rangefinder in the World!

Overview | 200 Series | 360 Series | Measurement Solutions | Accessories | Support

TruPulse Overview
LTI's dedication to high quality and unmatched innovation has allowed the TruPulse series to withstand the test of time. It's almost an insult to even call these powerful measurement tools a "Laser Rangefinder" because their capabilities go far beyond just measuring a range. You can instantly measure slope distance, inclination and azimuth* and calculate horizontal and vertical distance - all with a single push of a button.

The TruPulse 200L and 200 models have just been revamped and now are better than ever with new enhancements and improvements. Offering higher accuracy, better target acquisition and higher range resolution these lasers are just another example of LTI's dedication to bringing the highest level of quality and innovation to the world.

From the 200L, our most affordable professional laser rangefinder, to the 200 and the 200X, you are able to capture the measurement needed with accuracy, confidence and ease of use.

Ultimate Measurability and Mobility

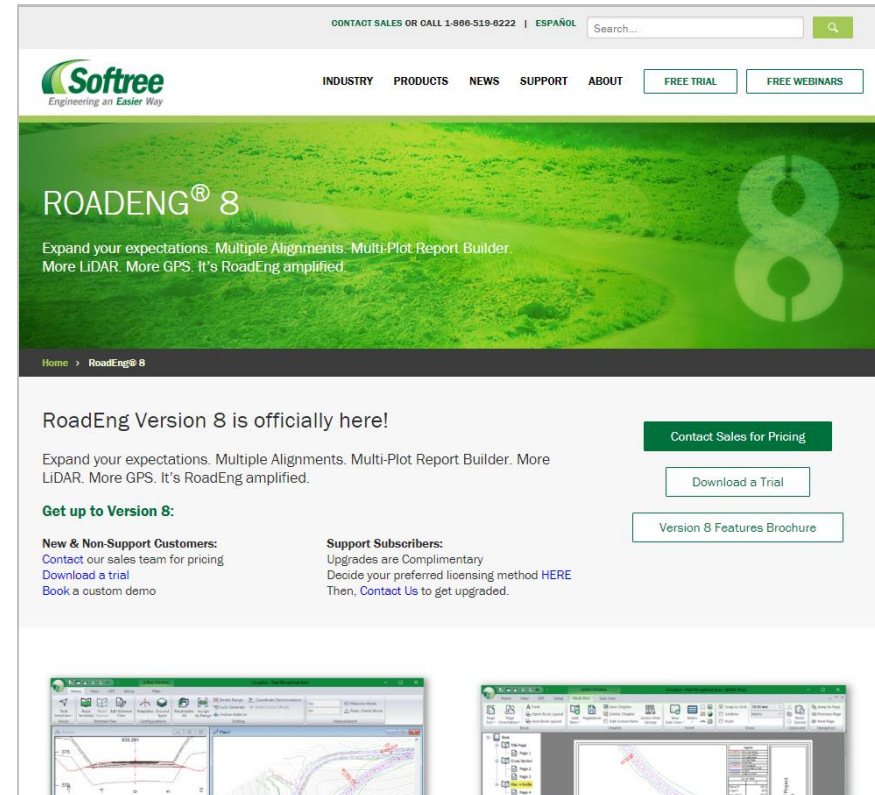
TruPulse 200 Series Laser Range finders

Quote Request
TruPulse 200
Quantity: 1 **Add**
Submit Quote

Videos / Webinars
TruPulse and Face Profiler Systems Working in Heavy Rain Video
TruPulse 360 Video
TruPulse 360 Calibration Video
TruPulse 360 R Video
View More

Downloads
TruPulse 200L Specifications
TruPulse 200 Specifications
TruPulse 360 Specifications
TruPulse Series Specifications
TruPulse Mobile Mapping Solutions
Forestry Source - TruPulse 200X Review

<https://www.softree.com/roadeng-8>



The screenshot shows the Softree website's product page for RoadEng 8. The header includes the company logo and navigation links. The main content area features a large image of a road with a green overlay, a 'Quote Request' form, and a 'Videos / Webinars' section. A sidebar on the right provides an 'Overview' of the product, highlighting its compact size and accuracy. The footer includes a '360°' logo.

ROADENG® 8
Expand your expectations. Multiple Alignments. Multi-Plot Report Builder. More LiDAR. More GPS. It's RoadEng amplified.

RoadEng Version 8 is officially here!
Expand your expectations. Multiple Alignments. Multi-Plot Report Builder. More LiDAR. More GPS. It's RoadEng amplified.

Get up to Version 8:
New & Non-Support Customers:
Contact our sales team for pricing
Download a trial
Book a custom demo

Support Subscribers:
Upgrades are Complimentary
Decide your preferred licensing method [HERE](#)
Then, [Contact Us](#) to get upgraded.

Contact Sales for Pricing
Download a Trial
Version 8 Features Brochure

TruPulse 200 Series Laser Range finders

Stay informed! Find out about Laser Technology products, updates, and training resources by keeping track of us on FaceBook (/LaserTechnologyInc), Twitter (@LaserTechPro) and YouTube (/user/LaserTechPro)

Contact Laser Technology, Inc.

**Questions regarding the interface to RoadEng
or our laser products?**

Please contact us at:

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1.303.649.1000

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