

**TIMBER CRUISER™****Simplifying the Workflow through Better Technology*****The Timber Cruiser***

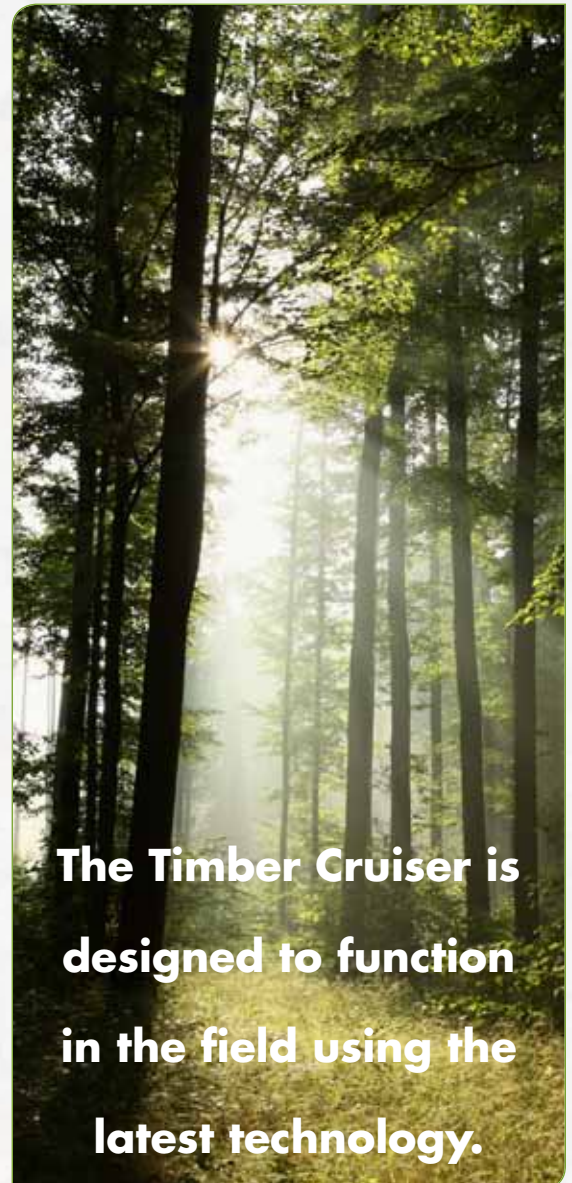
In 1987 the original Timber Cruiser™ revolutionized the timber cruising industry. It allowed foresters to migrate from tally books and pencils to a handheld computer for faster and more accurate cruises. Today the Timber Cruiser represents another significant technological leap forward. With GPS plotting, topographic map overlays and built in 5 megapixel color camera, timber cruising has reached a new level of efficiency.

***Overview***

The Timber Cruiser is an environmentally sealed handheld computer designed to function in the field (independently of an office PC) and provide detailed stand evaluation results immediately. The Timber Cruiser allows the forester to grade each tree or log cruised and identify a product type by individual tree or overall species. With the integrated 5 megapixel color camera, the forester can document specific trees, hazards or any element of interest. The unit offers, with just one key stroke, the capability of recording detailed plot and stand notes with immediate plot footage totals. The integrated GPS plots points used to overlay the stand onto a topographic map.

***Features***

- Fully stand alone - does not require a PC
- Holds multiple cruises at the same time
- Supports circular plot, strip and variable radius plot cruises
- Cruising styles including Individual Log, Total Tree Length, Total Log cruises and Log grade
- Uses one or more form classes for each cruise
- Supports log grades and standing values
- Full information in the field by stand, plot, species, product and value
- Flexibility allows user to choose individual log rules (Doyle, International, Scribner and others) within single plot or stand
- Supports the use of an internal species, grade and standing value timber file
- Assign cost by grade for each log cruised
- Receive immediate footage by log grade and total standing values
- Detailed reports outlining cruise findings detailing species, total logs, total footage and standing values
- Prints field tally, volume breakdown by grade and volume by product



**The Timber Cruiser is  
designed to function  
in the field using the  
latest technology.**

## Integration

The Forest Eagle™ Software is a subset of the Yardmaster Log System that allows the forester to expand and enhance the handheld cruise. The forester can maintain a database of the cruised areas including stand, plot, species, product and value to maintain a record of ownership or for re-evaluation purposes based on historical figures. The Forest Eagle software can extrapolate tree growth based on a number of factors to provide a more current snapshot of the stand over time.



Forest Eagle can import various plotted points generated from the integrated GPS unit and overlay them onto a topographic map creating a realistic representation of the stand. The software can generate an accurate outer tract boundary as well as

inner boundaries for elements such as rivers, streams, swamps, roads or other items indicated during the cruise. Pictures taken with the 5 megapixel color camera can also be imported to better record the various features of the stand. Images can be geo-pinned so that each image is linked to a particular set of coordinates along with an optional notation providing more details about the land feature.

## Features

- Download Timber Cruiser data to Forest Eagle database
- Maintain multiple stands (including plot, species, product and value)
- Estimate trucking, logging and improvement costs for bid report
- Maintain cruise price vs. bid price
- Data integration with Yardmaster Log System
- Supports geo-pinning using GPS coordinates
- Overlay stand onto a topographic map
- Accurate inner/outer boundary creation
- Supports "sold at landing" items such as chips or other unneeded material

## Hydrus® Luna GPS Handheld Features

- The only handheld exclusively built in the USA for the forest products industry
- Integrated uBLOX GPS
- Ergonomic design to increase speed and efficiency
- Industry-specific alpha/numeric keypad with large tactile feedback keys
- 2 Rechargeable Lithium Ion batteries for 40 hours of battery life
- Microsoft® Windows® CE 5.0
- Marvell XScale® 624MHz Processor
- 256MB of SDRAM standard/2GB of built-in Compact Flash (expandable to 32GB)
- 5 megapixel color camera
- Large full color touchscreen display
- Dust and water proof (IP 67/68 certified)
- Operates in harsh environments (-22° to 160° F)
- Shock resistant
- WiFi/Bluetooth® compatible
- Hi-Speed USB Port
- Built-in bar code scanner
- Compatible with current handheld applications

## Hydrus Handheld



*FSI has provided Log and Lumber Yard solutions since 1987. As with all our Yardmaster Log, Lumber and Pallet Systems, our handhelds are designed and supported by industry knowledgeable programmers and technicians. We listen, we understand.*