



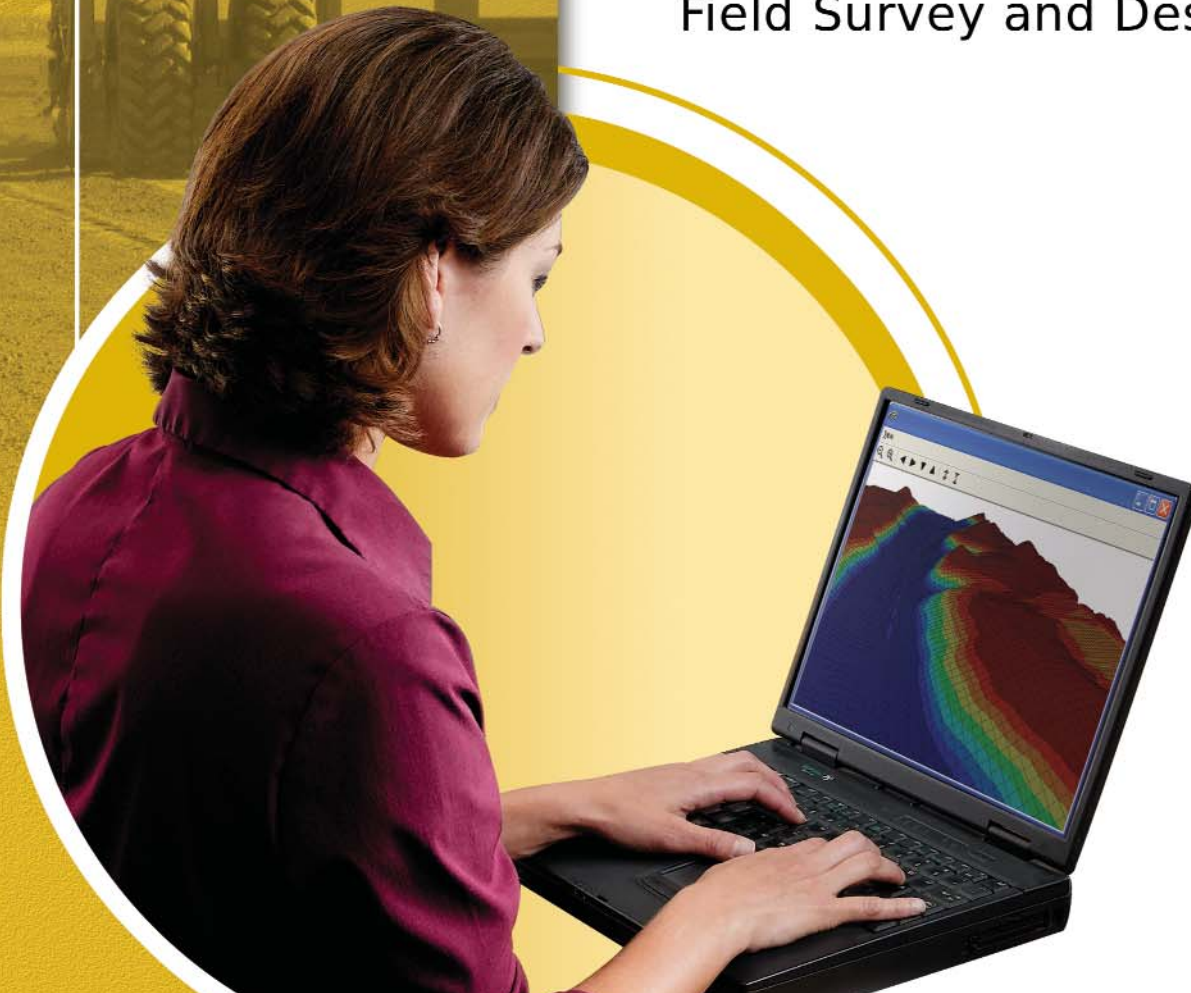
EQUIPMENT AUTOMATION

TOPCON®



AGForm-3D

Field Survey and Design Software



ISO 9001:2000
FM 68448



AGForm-3D is the ideal field survey and design program to complement your AGS-100 GPS Land Leveling System or existing laser system. Combine AGForm-3D with Topcon's HiPer Lite+ GPS System, and you can:

- Survey large fields accurately and efficiently in one setup – even fields with large elevation changes and irregular shapes.
- Accurate surveying in dust, wind, and fog.
- View contours, profiles, and 3D models of existing and designed surfaces.
- Design fields with single or multiple sections to suit your needs.
- Stake out benchmarks, set cut/fill hubs and section perimeters, and lay out alignment points for laser setup.
- Transfer files to the AGS-100 Land Leveling System for automatic GPS control.

Create the best field design

To be able to create the best field design possible, you need to know what the field topography looks like. With AGForm-3D you can view the existing ground and designs using contour views or the 3D graphical view. The 3D-view works at any location and angle to find the best place for section breaks and grade changes. Also view and compare existing and design cross section profiles from any angle – great for determining break line locations.

With its simple, but powerful design tools, AGForm-3D will design the field section as a best-fit plane, single slope, or dual slope plane. Or, significantly reduce the earthwork yardage by breaking the field into multiple sections. With multiple sections, haul distances are shortened as well as top soil cuts being minimized. Sections can be “terraced” with dirt balancing within each section, or side-by-side sections can be “hinged” with a seamless edge.

AGForm-3D also has handy design tools that calculate distance, slopes, area, and volumes. These tools can be very helpful when designing road and ditch pads. AGForm-3D can help you determine the import or export volumes needed for pads or roads. These import and export values can then be factored into the design of adjacent or nearby sections to help optimize earthwork quantities.

Minimize Yardage with the AGS-100

Make as many breaks needed to minimize yardage using Topcon's AGS-100 GPS Land Leveling System on your Tractor/Scraper– your design is not limited to practical laser set-ups. Fields warped too much for laser control? With AGS-100 GPS controlled leveling, you can still get the irrigation and drainage benefits that come with leveling for those fields not suitable for traditional laser control. Defining multiple sections in AGForm-3D, you can design the field to retain the natural slopes but smooth out the highs and lows that impede water flow and cause drainage problems.

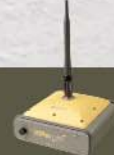


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P/N: 7010-0709 Rev. A Printed in U.S.A. 01/05



FC-100
Rugged Window CE®
Field Computer



HiPer Lite+
Cable-free GPS+
RTK system