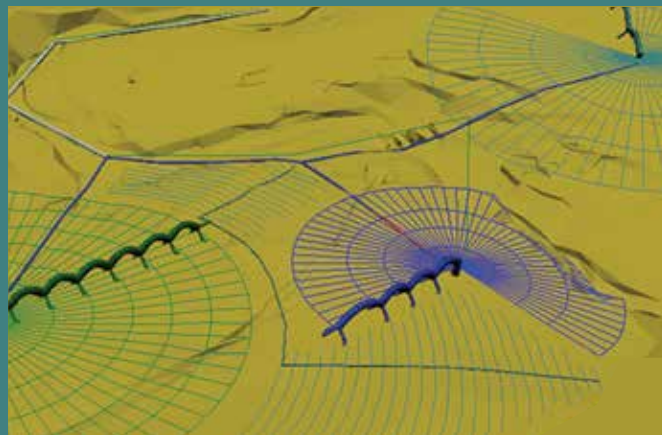**Senninger**®

Established 1963
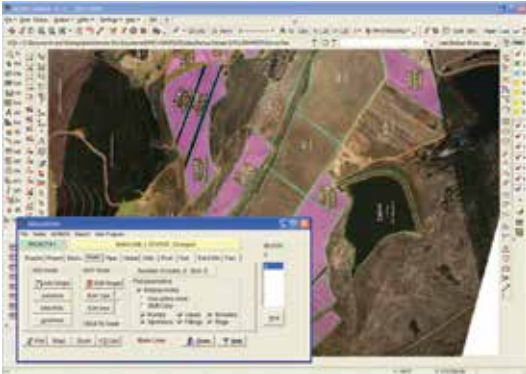
MADE IN
USA

IRRI-MAKER™

IRRIGATION DESIGN SOFTWARE

**IRRIGATION DESIGN MADE EASY,
ACCURATE AND COMPLETE**

• All in one: survey, CAD and irrigation design system
• Calculate hydraulics, pressures, flows and quantities
• Set out coordinates, drawing plans and 3D images
• Interface with Google and AutoCAD
• Customizable database; excellent user support
• Used by over 2,500 companies in more than 60 countries

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Using advanced technology to design irrigation systems is now the standard in the industry. Irri-Maker handles the various design processes with ease by creating a seamless flow of data between survey topography, computer aided design functions, irrigation design elements, as well as input and output to Google maps.

Irri-Maker enhances Google map information of terrain images and elevations. Use this information, to build contour plans or use your own survey data to draw detail plans and apply the irrigation design. The Irri-Maker program will evaluate design alternatives, produce a bill of materials and send drawing results back to AutoCAD and Google maps.

CAD

- CAD module creates detail drawings while being integrated with the survey and irrigation designs.

- Customizable buttons and menu layout.

- User-definable line styles, symbols and patterns.

- Manipulates bitmap images along with other CAD vector elements.
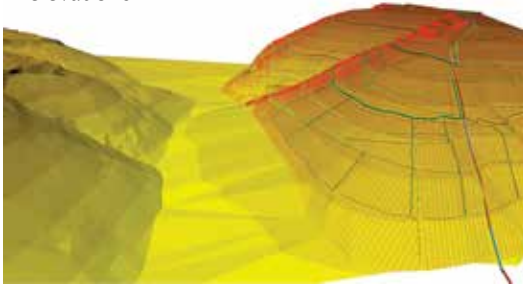
Survey Data Manipulation Using DTM

- Easily converts any survey data into a computerized Digital Terrain Modeling (DTM).

- Produces contour plan from virtually any type of survey data including Google Earth.

- Surface models created from triangular network.

- Real time elevations integrated with the irrigation design.

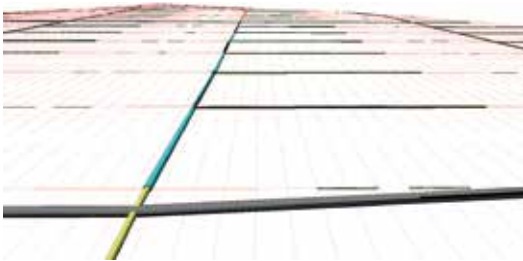- Calculates plan and surface areas; joins, polars, intersections and other geometric functions.

Irri-Maker's host of tools and ability to incorporate data from various programs makes it ideal for complex irrigation system design.

Senninger
Irrigation Inc.

SERVING THE
IRRIGATION
INDUSTRY FOR
OVER 50 YEARS

Modeling

- Uses Digital Terrain Modeling (DTM) with 9,000 survey points to generate a triangular surface model.

- Provides full control over various functions to graphically edit the model.

- Generates contour plans illustrating the irrigation design in relation to slopes and elevations.
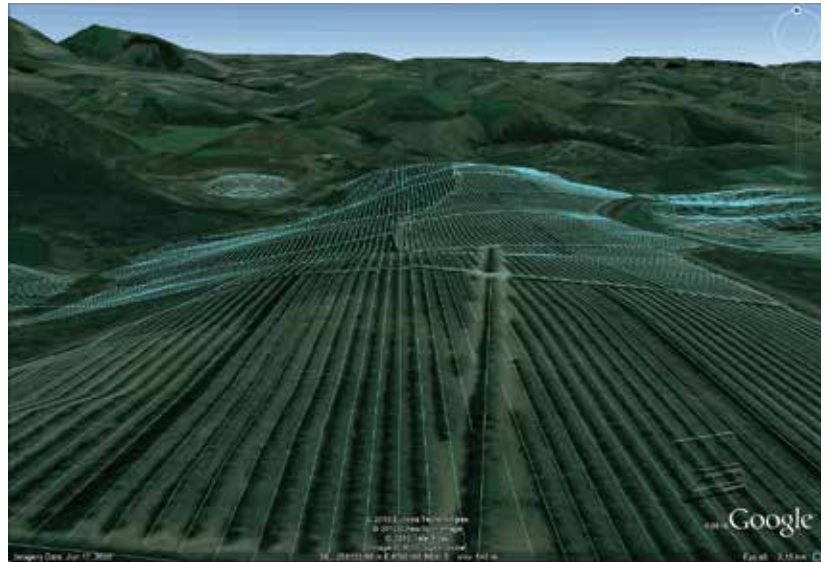

The package makes it easy to produce a contour plan from virtually any type of survey data.

The irrigation design layout can be shown in 3D. This feature allows the designer to inspect his own work. It also enhances the end product and gives overall visual of the design.

Irri-Maker is very flexible. It can be used for everything from simple irrigation designs to complex systems. The program allows each element of the design to be controlled. This includes defining block areas, adding emitters and pipes, sizing the pipes, and calculating the hydraulic layouts for agricultural farms, landscape areas, mining or other areas where water conveyance is required.
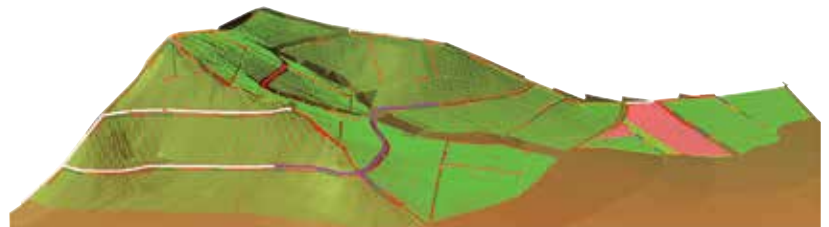
Pivots can be positioned and the topography underneath analyzed. Irri-Maker also provides a comprehensive list of materials as well as reports on pressures, velocities and quantities.

Designs can be send to Google maps and displayed in real time.
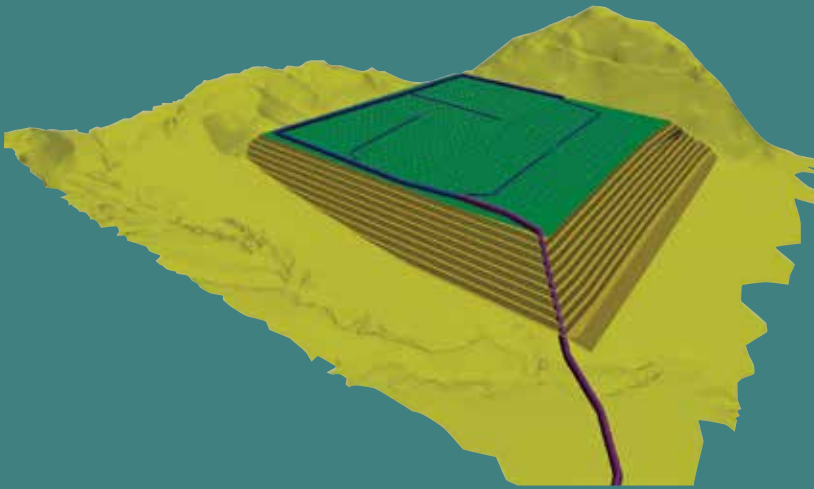
Output

- User-definable plotting parameters and graphic settings.

- Integrated plotting of contours, survey point information, coordinate grids, CAD data and irrigation design.

- Draws directly to plotter, printer, plot file or various CAD exchange file, including .dwg file and Google Earth.

Designs with big elevation differences are easily accommodated in Irri-Maker. Calculate pump and valve pressures, pipe sizes and apply pressure regulators when needed.

Other Applications

Irri-Maker operates within the larger Model-Maker™ environment. This allows any of the other Model Maker modules to be added to the software package. With this, civil earthwork calculation tasks can be performed for various types of applications including dams, canals, drainage and roads.

Irri-Maker™ System Requirements

- Pentium or better
- CD/DVD Drive
- High resolution monitor (1024 x 768 or better)
- Mouse-pointing device
- Windows XP or later
- 200 MB free hard drive space

Modules

Irri-Maker consists of several modules from the Model Maker™ program:

- Modules 1 & 2 ... data input, DTM manipulation and output
- Module 6 ... drawing layouts (CAD)
- Module 17 ... irrigation design

Optional modules are available for specific needs:

- Module 3 ... dump volumes, analysis, extraction of sections
- Module 4 ... cut and fill, terrace volumes
- Module 5 ... 3D views
- Module 7 ... convert and draw cross sections, long sections (profiles)

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14 FM 12

Optional Model Maker modules were used to generate some of the graphics shown in this brochure.