

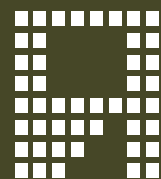
Piping GA Drawings for AutoPLANT

PlantWAVE AutoPLANT

Powerful Tool for
Automatic Drawing Solution

- ❑ Industry standard orthographic drawing generation in minutes
 - ❑ Generates Hidden drawings
 - by Single/Double lines
 - Applying 2D Symbols
- ❑ View creation in AutoPLANT/PlantWAVE
- ❑ Output files in multiple format
 - DWG/DGN
- ❑ Drawing Management

PlantWAVE eliminates the amount of time for making drawings by manual and free engineers to focus on their design job using AutoPLANT....

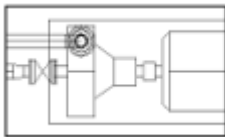


9Sq

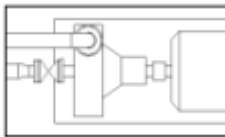
9SQ corporation provides PlantWAVE AutoPLANT, which is the powerful tool of the automatic generation of the piping GA drawings for AutoPLANT in batch style executing based on the knowledge based engineering technology.

PlantWAVE Features

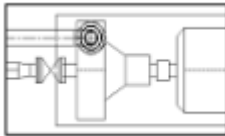
- Management by "PROJECT" for the working environments
 - All the option values save to a "project" setting file and reloaded to keep the same drawing condition
- Very fast generation of drawings (in minutes per drawing)
- Easy to use
 - An intuitive UI and all the job can be done in PlantWAVE without visiting to AutoPLANT
- Various Options
 - Managing, drawing and runtime options
- 2D Hidden Drawing generation by PlantWAVE
 - single/double line display by pipe size
 - Applying component symbol such as elbow, tee with opening and weld mark, section mark etc.



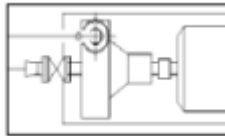
(A) Hidden on



(B) Hidden off



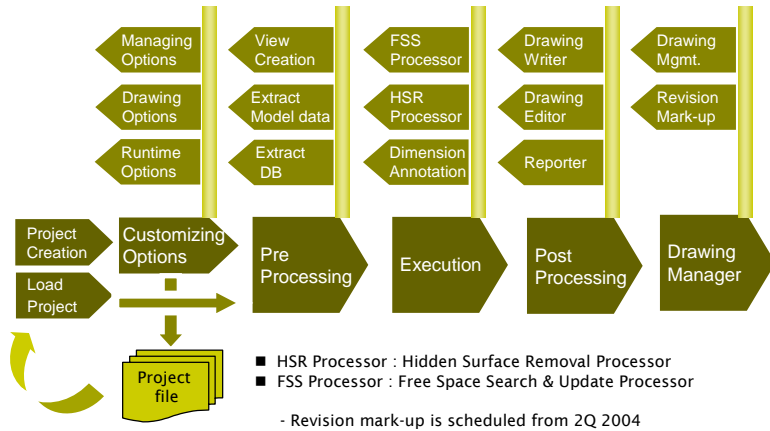
(c) Hidden On with dotted centerline



(d) Hidden Off with Symbol mark

- Batch execution by stages
 - Drawing only, Annotation or Both
- View creation in PlantWAVE
 - Supports Single/Multiple/Composite/View-in-view
 - Interactive view arrangement of drawing in AutoCAD
- Revision Management
 - version control
- Drawing Editor
 - Compatible with AutoCAD 2000/2002/2004
- Others
 - reporter, utility(batch plot) etc.
- Movie instruction for the beginners (Macromedia Shockwave format)

PlantWAVE Workflow



PlantWAVE Options

MANAGING OPTIONS

- Drawing Management(file, revision)

DRAWING OPTIONS

- Layer, Dimension Option
- Hidden Option
 - Pipe (single/double), elbow(Weld / SW & THD type), Tee
- Annotation Option
 - Inside / Outside annotation
 - line number, instrument, support, nozzle, equipment,
 - flow-mark, equipment hatching, slope mark etc.
- Distance/Area Option (switching inside/outside annotation)
- Others
 - Border, view data(match line, volume, coordinate), chart (Nozzle, revision history chart) etc.

RUNTIME OPTIONS

- Output unit(metric/inch-feet), format (DWG/DGN)
- Placement Priority of Inside annotations
- Free Space Searching Density (Sparse/Average/Dense mode)
- Free Space Searching Boundary (Fast/Middle/Detail mode)
- Output filtering (Labeling or function On/Off)

