

## PDS® Ortho-Draw



### **AUTOMATIC ORTHOGRAPHIC DRAWING GENERATION SOLUTION FOR PDS**

PDS® Ortho-Draw is an automatic annotation and dimensioning solution used to produce project deliverables from PDS physical (3D) models. Formerly known as TechServer e-Draw, the standalone solution provides a flexible generation environment for users to support various drawing conditions in the field.

#### **SAVE TIME**

PDS Ortho-Draw drastically reduces drawing generation time. This means that you can create plan and section view drawings that conform to your standards in a fraction of the time. With direct database connections, automatic expressions, batch processing, and integrated editing tools, you can reduce drawing production time by 80-90 percent when compared to traditional work processes for creating orthographic deliverables.

#### **INTEGRATED DRAWING MANAGEMENT**

Drawing standards can be easily configured using an intuitive interface that mimics typical production work processes. All annotation and dimensioning parameters are stored and controlled, so users can manage their orthographic drawing configurations through an easy-to-use interface.

#### **EASY TO MODIFY DRAWINGS**

The “Smart Tag Editor” feature provides automated touch-up services for post-drawing generation editing.

### **MULTI-PURPOSE, MULTI-DISCIPLINE DRAWING GENERATION**

In addition to the piping orthographics, PDS Ortho-Draw offers the ability to generate orthogonal arrangements for plant layouts. Users can produce electrical and HVAC layout drawings. PDS Ortho-Draw provides a variety of orthogonal and isometric drawings with its multi-discipline options.

#### **ENSURE CONSISTENCY**

PDS Ortho-Draw enables quality control on collaborative global worksharing projects. Orthographic drawings are generated using a standard process; so all annotation and dimensioning qualities are consistent across multiple disciplines and distributed project participants.

#### **PDS 3D MODELS**

PDS Ortho-Draw provides extensibility of PDS drawing generation functions. Also, users can generate orthographic drawings automatically from any PDS version efficiently and quickly.

#### **MULTIPLE, SECTION, AND ISOMETRIC VIEWS**

PDS Ortho-Draw can generate dimensions and annotations on two or more views at a time. Also, not only plan view but also section and isometric views can be generated.

### **ANNOTATION, SYMBOLOGY AND DIMENSIONING OPTIONS**

To support various drawing settings and styles of projects and companies, PDS Ortho-Draw provides various drawing generation options to help users generate the right drawings at the right time.

Annotation options define the items that are annotated in the drawings and expression formats. Users can define which 3D design data is expressed by using data mapping and filter conditions. Also, format and symbology settings define the expression formats of items such as string formats, color, and font.

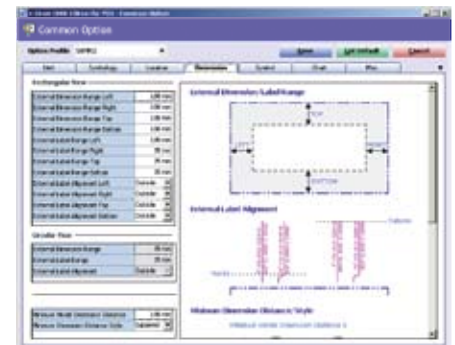
Dimension options define the external and internal dimension styles of drawing views. Users can define dimension formats such as dimension unit, expression styles, and dimensioning rules.

## COMMON OPTIONS

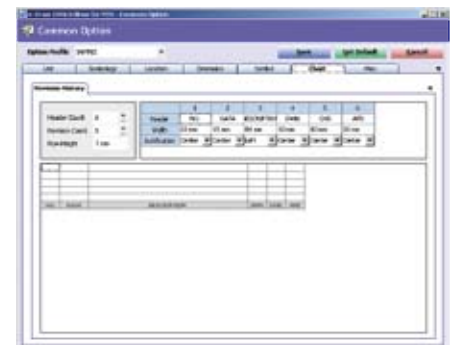
Common options define the drawing generation styles. Users can define one or more option profiles. This is very helpful for the setup and control of various drawing generation schemes. Also, each option profile can be exported and imported. Common options include basic drawing annotation and expression methods.



Main user interface



Common option – dimension



Common option – chart

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