



SpecManager – quality assurance for PDS® piping specifications

Introduction:

SpecManager is a solution that validates all components on your PDS piping specifications can be placed successfully.

Common issues:

Piping specifications can contain many thousands of components, and each of these components can be placed in combination with other components. It is not straight forward to verify that they can be placed successfully, unless they are physically placed into PDS. Undertaking this task manually is not only a significant drain on man hours, but making sure that every combination is tested is almost impossible. Therefore manual testing may mean that a number of components are not tested at all.

Moving forward on a project where this level of validation has not been made can also cause issues. Members of your design team will have their work interrupted when they try and place a component that cannot be placed.

If your specification has been delivered to a contractor for use on one of your projects, this could give rise to claims for additional man-hours or rework on the project.

If implied components such as gaskets, bolts, nuts, washers are not properly accounted for, your overall bill of materials report may not accurately reflect your project requirements.

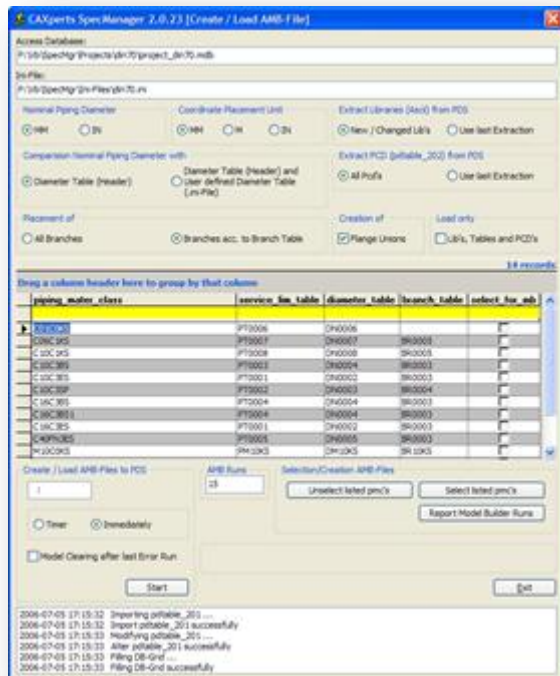
All of these lead to inefficiencies on the project and increased costs.

SpecManager has been designed to identify the above issues and report them to enable action to be taken prior to the problems arising.

Simple to use:

SpecManager provides a very simple user interface that requires no end user training. Based on the selection of a PDS project, the user can select which piping specifications are required for testing. From an end user point of view all that is required is to select the specs and request to start the test.

SpecManager is effectively a “one button” solution for performing a quality assurance check for your PDS piping specifications.



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Comprehensive checking:

SpecManager performs a comprehensive quality assurance check for any piping specification that is selected. The overall checking process only takes a few minutes, but saves around 90% of the man-hours associated with manual checking of specifications.

Visual check:

All components placed by **SpecManager** into the PDS model are placed in a specific location where you can review the results of the placement. This provides an additional visual check of all components on the specification. If for example, a size parameter had been incorrectly entered, it may be visually obvious even if the component is successfully placed.

Piping Mater Class: 15NBP										Status: Successfully finished with errors		Errors: 9		Run Date: 05.07.2005 02:27:08	
Line	Error No	SubNo	Component Name	QC	Spd_1	Spd_2	Comp Type	Component Code	Model Code	Gen Set ID#	Pub Unit Code	CP			
05	1	1	R01C01	1	075	075	PC	1121KJ0AM027-1A	GATR	102	-	-			
05	2	1	R01C01	1	1	1	PC	1121KJ0AM027-1A	GATR	102	-	-			
05	3	1	R01C01	1	1.8	1.8	PC	1121KJ0AM027-1A	GATR	102	-	-			
05	4	1	R02C10	1	075	075	PC	010DL0AM01-1A	BLSPC	040	-	-			
05	5	1	R02C10	1	1	1	PC	010DL0AM01-1A	BLSPC	040	-	-			
05	6	1	R02C10	1	1.8	1.8	PC	010DL0AM01-1A	BLSPC	040	-	-			
05	7	1	R02C11	1	075	075	PC	010DL0AM01-1A	BLSPC	040	-	-			
05	8	1	R02C11	1	1	1	PC	010DL0AM01-1A	BLSPC	040	-	-			
05	9	1	R02C11	1	1.8	1.8	PC	010DL0AM01-1A	BLSPC	040	-	-			

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Reporting:

Following the testing process, **SpecManager** produces a comprehensive report that highlights all components that were not successfully placed. This helps to understand what areas of the specification need further work.

Benefits:

SpecManager provides the following benefits:

- Comprehensive quality assurance check for all components on your PDS piping specification
- Elimination of delays in design time due specification components that won't place
- Reduction of 90% of the man-hours for validating your piping specifications
- Validation of specifications provided to you from a client or contractor prior to use on a project
- Overall reduction of project costs

Next steps:

If you believe that **SpecManager** may be of value to your organisation, please contact your nearest CAXperts office for further information. We will be happy to provide more detailed information and discuss your individual requirements in more depth.

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