1.0 Xmultiple Engineering Document Control

Xmultiple's documents and their revisions are controlled with advanced document control software. We create document types for every department, each with its own document numbering sequence and revision format.

Document records are often used as "containers" for files shared across multiple parts. We can add a document record to any part or assembly structure, and this software is able to easily navigate to the permanently-attached electronic files that describe our requirements, specifications and procedures. Easily move from one document revision to the next, and research the history of our designs is controlled by this advanced software. The document control software is multi-language with is main requirement of our company for a document control system. Listed below are some elements of the system.

- Creates a virtually unlimited variety of document types, each with their own built-in and custom properties
- Defines document numbers with up to 70 alphanumeric characters, with prefix, sequentially-assigned, suffix and skip characters
- Define revisions with up to 10 alphanumeric characters, with ability to skip invalid characters (e.g., MIL-STD-100's I/O/Q/S/X/Z)
- Specifies text templates that guide users how to name documents using your preferred title format
- Manually or automatically assigns revisions, using separate preproduction and production revision sequences
- Manage design maturity and discourage unconstrained use by applying your own lifecycle phases, such as *preliminary*, *prototype*, *production*
- Identify and assign tasks necessary to prepare the document for release
- Research the assemblies where a specification or procedure is used, as well as change forms where the document revision was released, canceled or otherwise affected
- Attaches any number of files to a document revision; check-out/-in files for modifications without conflicts
- Creates custom attributes

- Allows regulatory agencies, customers and supply chain partners to own documents that affect your product definition

Our document control software provides these engineering document control capabilities:

- Provides pre-defined, extensible part and drawing types with default attributes
- Provides fast, attribute-driven engineering drawing and part record searches
- Provides content searches of common file types such as Word, Excel, and PDF
- Provides rules-based item number assignment, which support simple sequential assignments, intelligent part numbers, and tabulated drawing schemes
- Provides flexible item revision rules, including optional pre- and post-production formats
- Drags-and-drops object construction for quickly defining document relationships and building part assemblies
- Controls Obsolesces history and control.
- Engineering drawing, part, BOM and design file release management with change approval workflow

Xmultiple's document control software provides the necessary engineering drawing management capabilities and, equally important, automates and enforces the many processes necessary for good engineering data management.