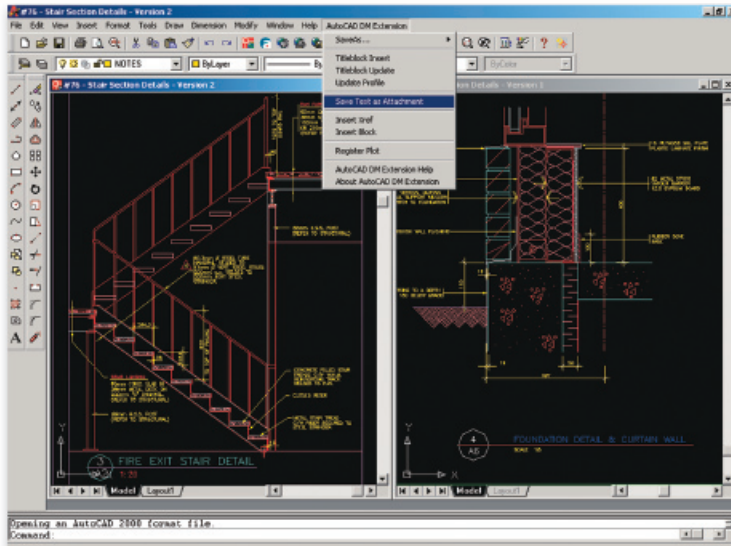


# Hummingbird DM™ Extension for AutoCAD

Hummingbird DM Extension for AutoCAD provides application integration between AutoCAD and Hummingbird DM,™ allowing organizations to work more effectively with engineering documents while strategically incorporating them into enterprise content repositories.



Integration with Hummingbird DM via native AutoCAD commands gives advanced document management capabilities and enables users to manage and review more than one drawing at a time.

Since most technical document management solutions focus on handling CAD data only, they often lack support for enterprise applications. This puts an organization's technical knowledge base outside the collaboration loop. Hummingbird DM Extension for AutoCAD brings technical knowledge assets into the broad business flow with enterprise-ready document management and distribution capabilities. Its comprehensive, flexible functionality leverages technical assets to empower workers in rapidly changing business environments. Now engineering and technical staff benefit not just from their own experiences, but from the collective expertise contained in Hummingbird DM repositories.

Hummingbird DM Extension for AutoCAD enables corporate engineering and technical departments to comprehensively manage drawings and associated revisions, title blocks, symbols, and reference files using the enterprise content management capabilities of Hummingbird DM. With CAD file accessibility on par with all enterprise content, organizations extend the document management system's reach to include these highly sensitive, expensive-to-produce documents across local and wide area networks as well as the Internet. Increased worker collaboration improves productivity, reduces costs, and facilitates better decision-making.

Hummingbird DM Extension for AutoCAD provides access to CAD files across multiple repositories, and allows engineers to create compound document structures. With full-text indexing support, users may search for CAD drawings by text, title blocks, reference files, and other text-based content contained within the file. MDI support enables users to manage and review more than one drawing at a time to increase productivity and usability.

## Solution Benefits for Organizations

**Increases Productivity** by providing faster access to drawings, facilitating rapid document production, and minimizing time spent looking for or recreating information.

**Fosters Better Decision-making** by enabling access to all document-based information across the enterprise. Engineering drawings are cataloged with electronic document content, adding them to the corporate knowledge base and reducing the "islands of information" prevalent in many technical departments.

**Improves Data Integrity** by validating Title Block information with Hummingbird DM metadata values stored in document profiles. Associated external reference files are vigilantly tracked as drawings are created or imported and subsequently revised.

**Speeds the Flow of Knowledge** with the capture and index of SQL metadata and text information inside drawings, enabling enterprise-wide queries to help work groups find the right and relevant information when and where they need it.



## Key Attributes

### **Seamless Integration Backed by Powerful DM Features:**

The Hummingbird DM Extension for AutoCAD allows AutoCAD users to easily interact with Hummingbird DM as a fully integrated application from a browser-based DM Webtop. Windows users leverage document management features from familiar desktop interfaces, including the Windows Desktop, Windows Explorer, Microsoft Outlook, and mainstream authoring tools. Metadata about drawings and documents is captured on customizable Profile forms that yield fast, efficient search results. And the Hummingbird DM repository provides strategic check-in/check-out functionality for monitoring CAD files that may be outsourced to an external supplier or vendor.

**Title Block Integration:** AutoCAD title blocks are automatically attached to the Hummingbird DM profile to eliminate retyping information into the CAD application. Corrupt information in linked title blocks is automatically detected and replaced to maintain data integrity.

**External Reference File Management:** Externally referenced files are controlled by automatically attaching them to new versions or revisions of CAD drawings to preserve Xref integrity. Also, to ensure data reliability during the import process, a Resolve XRef function brings the new reference location from the DM system and resolves the reference file.

**Full-Text Indexing of CAD Information:** Text-based and title block information in CAD files can be extracted and indexed by the Hummingbird DM Full Text Index Server, enabling advanced search capabilities that simplify common and complex queries across all enterprise content. Users may search for part numbers throughout Hummingbird DM repositories; and combine simultaneous, enterprise-wide queries against content indexes and SQL-based Profile metadata for intuitive, consolidated search results.

**AutoCAD Menu Functions:** The learning curve for AutoCAD users is minimized for quick adoption of DM capabilities through the use of familiar menu commands such as Save As, Titleblock Insert, Titleblock Update, Update Profile, Save Text as Attachment, Insert XRef, Insert Block, and Register Plot.

**Customizable Security Model:** Role-based groups with granular permissions control which users can create, search for, and manage content assets. Exclusionary security options dictate who can access documents, and simultaneously lists users for whom access is denied. Revision management can provide consumers with access to only the “published version” of a document, while creators can continually evolve the document to its next publishable state. Content can also be made read-only to protect information that should be retained in corporate memory.

**Rapid Deployment and Simplified Administration:** Installing the Hummingbird DM Extension for AutoCAD across the enterprise is made easy with a web-based Deployment Tool that includes the extension in component packages that configure the Hummingbird DM experience. This minimizes the need for administrators to visit workstations during system rollouts. Installations can be achieved via web download, physical media distribution, login script, or push technology like Microsoft’s SMS.

## System Requirements and Supported Platforms

### Server

- Hummingbird DM 5.X or higher, installed

### Client

- AutoCAD Release 2002, 2000i, 2000
- Minimum requirements for AutoCAD
- 1024 X 768 VGA Video Display Recommended, 800 X 600 VGA Video Display Minimum



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