



Lyon (FR), May 21st, 2026

Write CAD Files in multiple formats

Datakit develops advanced writing solutions for exporting native and standard CAD formats (BREP and mesh) to support seamless data exchange across design, manufacturing, visualization, rendering, and BIM environments.

Extensive Format Compatibility

Datakit supports a broad range of CAD formats to write, including CATIA V5, NX, SOLIDWORKS, JT, STEP, PDF, IFC, Parasolid, ACIS, 3MF, FBX, glTF, and more.

Exports preserve critical engineering data, including:

- Assembly structure
- Part names and references
- Metadata and user-defined attributes
- Exact BREP representations and mesh entities

JT, STEP (AP242), and PDF formats also retain PMI data such as dimensions and tolerances required for inspection and machining processes.

Accurate Geometry Preservation

Datakit maintains the analytical definition of primitive and derived surfaces, including planes, cylinders, cones, spheres, offsets, revolutions, ruled, and swept surfaces...

This provides:

- High geometric precision
- Generation of lightweight files for efficient viewing
- Greater flexibility for downstream editing and modification

Optimized for Industrial Collaboration

Designed for software vendors, engineering offices and industrial manufacturers, Datakit solutions facilitate efficient collaboration across departments, partners, and software environments.

They enable users to:

- Share digital mock-ups during design reviews
 - Access tolerancing data for quality control and manufacturing
 - Visualize, verify, and simulate models in virtual environments
 - Archive files for long-term traceability
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Trusted Integration Across Industries

Datakit writing libraries are embedded by software vendors and machine manufacturers, particularly for native formats such as CATIA V5, CGR, NX, SOLIDWORKS, and 3DXML.

They also support major standard and emerging formats, including:

- **JT, STEP, PDF** for industrial exchange
 - **FBX, OBJ, glTF** for advanced rendering
 - **3MF** for additive manufacturing
 - **IFC** for BIM workflows
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Continuous Innovation

Datakit converters benefit from quarterly R&D updates to ensure:

- Compatibility with the latest software releases
- Support for additional entities
- Ongoing improvements in conversion performance and reliability

Available with our end-user products (CrossManager, CLI and plug-ins) as well as our solutions dedicated to developers (CrossCad/Ware libraries).

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