Lyon, the 14th of april 2025

Capture all the intelligence of 2D data and FDT with version 2025.2!

FDT (*Functional Dimensioning and Tolerancing*) information, usually known as PMI (*Product Manufacturing Information*), are the technical drawing information available in the 3D design file.

They cover a wide range of entities that Datakit's converters can exploit:

1. The cartridge containing all the information relative to a part or assembly: its name, the company that designed it, the name of the designer, the creation or modification dates, the revision index, the format and scale, the weight, the material, the part ID, the tolerances, the drawing reference number and the unit of measurement, etc

2. The drawing includes all the possible geometric curves (line /polyline /circle /nurbs /etc...) which can be used to give a graphical representation of the part and its silhouette from different views; hatchings which indicate a section of the part; images, axis and tapping lines.

3. Linear, diametral and radial dimensions or quotations, made up of one or several parts (text, extension lines, arrows), with or without tolerance.

4. Datum and geometric tolerances with datum (sometimes occasional) and geometric tolerance data (form, location, concentricity).

5. Annotation entities made up of text with or without arrows, balloons, weld or roughness symbols and tables (cartridge).

Exploiting even more 2D and PMI entities

In the new version 2025.2, we have further extended the list of 2D plan entities or PMIs processed, with, for example :

- welding symbols in **Inventor**,

- view-related information such as cross-sections, images, colours in a table, fonts, …, in **Creo Parametric**,

Improvements have also been made to the handling of PMI in **Revit** version 3.0 assemblies.

These 2D entities and PMIs can be used both for graphical purposes and for measurement and manufacturing operations.

Promote traceability of the various configurations that have been chosen

Recent enhancements also provided **SolidWorks** users with a high degree of flexibility, enabling them to retrieve different types of configuration, regardless of their status. They can also access several views, including assembly views.

Ensuring interoperability right up to the availability of new CAD versions

Use of version 2025.2 means compatibility with the latest software versions available:

Reading mode

- CATIA V5-6R2025
- Fusion 360 till version 2.0.21538
- Parasolid till version 37.1
- Unigraphics/NX till NX 2412 Series (version 2412.3000)

Writting mode

- IFC 4 in addition to IFC2x3
- Jt 10.10

CrossManager standalone converters, SolidWorks or Rhino plugins for users as well as CrossCad/Ware solutions for software companies are available for download from the website in the account of every Datakit user.

Contact: solutions@datakit.com