

## Product Functionalities

WorkXPlore  
Viewer (free)

WorkXPlore  
Collaborative Version

WorkXPlore  
Manufacturing Pro  
Version

### Supported File Formats

#### 2D Formats

DXF

DWG

WorkNC 2D curves

#### 3D Formats

STL (Stereolithography)

VRML (Virtual Reality Modeling Language)

Unisurf

IGES (Initial Graphics Exchange Specifications - igs, iges)

STEP (Standard for the Exchange of Product model data - stp, step)

WorkNC 3D (wnc)

UGS Parasolid® (x\_t, xmt\_txt, x\_b)

SolidWorks® (Parts, assemblies, drawings & sheet metal -sldprt, sldasm, slddrw)

PTC Pro/ENGINEER® (prt, asm)

Dassault Systèmes CATIA® V4® (model, exp, user-def, )

Dassault Systèmes CATIA® V5 (catpart, catproduct, cgr)

UGS Unigraphics® 3D (prt, asm)

CADD5®

SolidEdge® (prt, asm)

#### NC Formats

ISO G-Code

WorkNC Toolpaths, curves, workzones

### GUI and Display

Dynamic zoom, spin, rotate and manipulate 3D models

**Standard views**, isometric and user defined views can be used.

**Several display modes** : shaded, wireframe, hidden faces, hidden edges or textured

**Independant management for color, transparency and visibility for each object (shaded or wireframe) in a 2D/3D model.**

**Explode, merge, delete or add surfaces within a 3D model,**

**Select filters** to hide/show entities based on type. Show/No show display area



Very compact integrated file format : Smaller in size compared to the original CAD files, making them easy to send by email, even over slow connections.	✓	✓	✓
<b>Integrated file explorer for easy drag and drop file importation</b>	✓	✓	✓
Object, part and assembly tree manager for quick access to access .	✓	✓	✓
Import versatile 3D CAD model in the same project	✓	✓	✓
Image capture by window or by zone; automatic transfer to file applications, clipboard, ... - image collector .	✓	✓	✓
Powerful printing functions.	✓	✓	✓
Integrated layer and scene manager		✓	✓
<b>Annotations &amp; Measurements</b>			
Add markup entities : Text, Text 3D on face, Label, Advanced label	✓	✓	✓
Measurement functions to measure exact dimensions, radius, angles & coordinates on points ...	✓	✓	✓
Advanced measure functions : distance between planes, surfaces (numerous plane and surface selection commands), minimum distances between any surface groups; angle measurements; automatic radius/diameter measurement; manual or automatic measurement insertion;		✓	✓
Control point based on MMP point clouds...		✓	✓
Direct and automatic probe radius compensation for control point clouds creation.		✓	✓
<b>Analyses functions</b>			
Object information (area, dimensions, type, volume ...)	✓	✓	✓
Basic dynamic cross section (dynamic scroll...)	✓	✓	✓
Advanced dynamic cross section (dynamic scroll, predefined sections axis, dynamic sections on guide curves, sections extraction ...)axis		✓	✓
Bounding box, (oriented, minimum, exportations - Dimensions, surface area, volume and mass information)		✓	✓
Draft angles analysis (draft label insertion,)			✓
Curvature analysis (Minimum radius identification, radius label insertion)			✓
Surface type analysis (Flat surfaces, curves, ...)			✓
3D part or assembly comparison (Automatic comparison, gap value labels)			✓
<b>Collaboration</b>			
User defined scene creation. (save customized views, orientation, annotation, dimensions in a scene definition.)		✓	✓
Generation of standalone, lightweight application (.exe) which included 3D data and markup information and animation that can be easily transmitted via the Internet.		✓	✓
Animation creation of assembly (Authoring functions, Replay functions, AVI creations ...),			✓
Animation collision detection and dynamic display (Proximity value, collision highlight)			✓
Compatibility with several export formats : STL, VRML, WNC (CAM), DXF, DWG ...			✓
<b>Options</b>			
Pack Interface (Catia® V4, Catia® V5, UG®)		✓	✓
IGES Export		✓	✓
Floating license		✓	✓

 Function available --- 
  : Function available as an added option. ---