

Product Functionalities

WorkXPlore
Pro Viewer

WorkXPlore
Collaborative

WorkXPlore
Manufacturing
Pro

Supported File Formats (import)

2D Formats

DXF

DWG

WorkNC 2D, curves mach.

Pack 2D (CATIA® V5 2D, UG 2D, ProE 2D)

3D Formats

STL (Stereolithography)

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 Systemes CATIA® V4® (model, exp, user-def,)

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

UGS Unigraphics® 3D (prt, asm)

CADDs®

SolidEdge® (prt, asm)

NC Formats

ISO G-Code

WorkNC files

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 integarted file format : Smaller in size compared to the original CAD files, making them easy to send by email, even over slow connections.



Integrated file explorer for easy drag and drop file importation	✓	✓	✓
Object, part and assembly tree manager for a quick entities access .	✓	✓	✓
Import versatile 3D CAD model in the same project	✓	✓	✓
Images capture by window or by zone; automatic transfer to files applications,clipboard, ... - image collector .	✓	✓	✓
Printing functions.	✓	✓	✓
Integrated layer and scene manager		✓	✓
Annotations & Measurements			
Add markup entities : Text, Text 3D on face, Label, Advanced label	✓	✓	✓
Measure 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.			✓
Analyses functions			
Object informations (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 informations)		✓	✓
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)			✓
Collaboration			
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 format : STL, DXF, DWG ...			✓
Options			
Pack Interface (Catia® V4, Catia® V5, UG®)		---	✓
IGES Export		---	---
WNC Export		---	---
Floating licence		---	---

 Function available ---  : Function available as an additional option. --- * Indicative price per seat without options