

OVERVIEW

Model Based Definition (MBD) is quickly becoming a common way for companies in many industries to streamline their product development process. In the past, both a 3D model and a 2D drawing were defined for parts and assemblies. However neither the model or the drawing was a complete definition. This was confusing for downstream users of the information.

With MBD, all information to define, manufacture and inspect a part or assembly is contained in the 3D model. This saves time in design and eliminates additional documents to manage and revision.

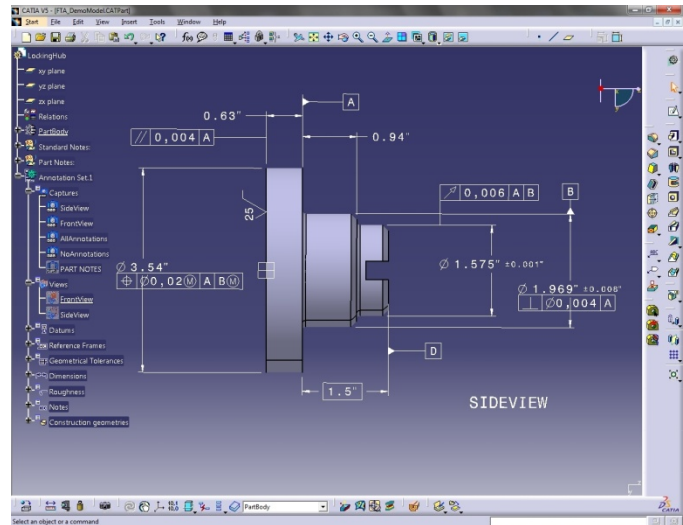
However, for many downstream users, it can be difficult to find the specific information they need and tedious to develop shop aids and inspection reports from 3D models.

PRODUCT DESCRIPTION

Inceptra MBD Accelerator is used by organizations to streamline the use of MBD data throughout the enterprise. By extracting important product data and presenting it in simple, usable formats such as WORD or EXCEL, MBD Accelerator enhances the following processes:

- Model analysis for the Bidding Process
- Material Reports for Purchasing
- Shop Aides for Manufacturing
- First Article Inspection Reports for Quality

Inceptra MBD Accelerator is easy to configure to work with the many different ways that MBD can be defined and organized in a CATIA model according to different OEM standards. The contents and format of reports can also be customized. Configuration Profiles can be defined and distributed to suppliers to ensure consistent reporting throughout the supply chain.



REV	DESCRIPTION	NAME	DATE
REVISION HISTORY			
NOTES			
1 MAKE FROM FULLY HEAT TREATED PART no 12345678. MATERIAL (ALUMINIUM 6061) REFERENCE DE LA PIECE TRAITEE 45-3567040-00			
2 HEAT TREAT PART No 45-3567040-00 PER INSPECTION SCHEDULE 46-3567040-00 TRAITER LA PIECE 46-3567040-00 SUIVANT LA FICHE D'INSPECTION 46-3567040-00			
3 MACHINING AND PROCESSING OF TITANIUM ALLOYS PER PCS-4103 AND M.DLPS9305 USIAGES ET TRAITMENT DES ALLIAGES DE TITANE SUIVANT PCS-4103 ET M.DLPS9305			
4 BLEND RADI TO BE A SMOOTH TANGENTIAL BLEND PER M.DLPS 900. EXCEPT 8			
5 CONGES DE RACCORDEMENT TANGENTS AUX SURFACES ADJACENTES ET			
5 DEBURR SHARP EDGES R0.130.25 UNLESS OTHERWISE STATED			
6 DEBURR SHARP EDGES R0.51			
6 EBAVRAGE R0.51			
7 EDGE RADI TOLERANCE +0.5			
7 TOLERANCEMENT EBAVRAGE +0.5			
8 ALTERNATIVE RADIUS DETAIL			
8 EBAVRAGE ALTERNATIF			
9 EDGE RADI TOLERANCE -0.5+20			
9 TOLERANCEMENT EBAVRAGE -0.5+20			
10 INSPECTION PER PCS-3001			
10 INSPECTION SUIVANT PCS-3001			
11 FLUORESCENT PENETRANT INSPECTION PER PCS-3200			
11 DETECTION DES DEFUITS PAR RESSUAGE SUIVANT PCS-3200			
12 STEEL SHOT PEENING ALL OVER PER PCS-2900. HOLES LESS THAN ø12.7			
12 GREINILLAGE COMPLET A LA BILLE D'ACIER SUIVANT PCS-2900. TROUS			
13 SPHERICAL SURFACE MUST WITNESS ALL AROUND GREASE HOLE. MINIMUM LA SURFACE SPHERIQUE DOIT ETRE VISIBLE TOUT AROUND DU TROU DE			
14 DIMENSIONS APPLY AFTER SHOTPEENING AND BEFORE COATING. UNLESS LES DIMENSIONS S'APPLIQUENT APRES GREINILLAGE ET AVANT REVETEMENT.			
15 TUNGSTEN CARBIDE COBALT CHROME COATING (HV0F) PER PCS-2560 AFTER			
CAPTURE NAME: None Sheet			
DOCUMENT: []			
IDENTIFICATION: LockingJob			
PART NUMBER: []			
DESCRIPTION: []			
APPROVED: []			
DATE: 04/06/08			
SHEET: 1 of 1			
REVISION: REV A			

REV	DESCRIPTION	NAME	DATE
REVISION HISTORY			
CAPTURE NAME: SideView			
DOCUMENT: []			
IDENTIFICATION: LockingJob			
PART NUMBER: []			
DESCRIPTION: []			
APPROVED: []			
DATE: 04/06/08			
SHEET: 1 of 1			
REVISION: REV A			

KEY FEATURES

- Supports CATIA V5 Parts and Assemblies
- Fully configurable to work with different methods that annotations are created in models
- Configurable report formats
- Extraction of Captures and Notes
- Preview Captures before the extraction process
- Extraction of Notes stored in any location within the model
- Automatic First Article Inspection (FAI) Ballooning
- Creation of FAI Reports
- Language Support – English and French currently

SUPPORTS ALL MBD DATA TYPES

- 3D Dimensions
- Parameters
- Annotation Sets
- Captures
- Views
- Geometric Dimension & Annotation
- Materials
- Title Block Information
- 3D Flag Notes
- Surface Finishes

SYSTEM REQUIREMENTS

- CATIA V5 or ENOVIA DMU, R18 or higher
- Windows 7 or 10
- 32 bit or 64 bit
- Microsoft Office 2003 or higher

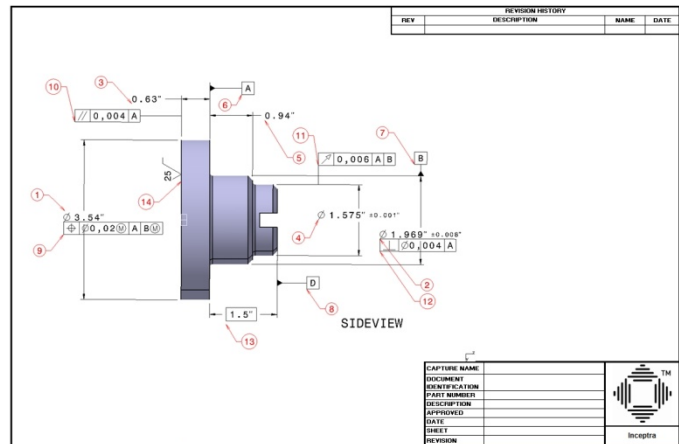
LICENSING

- Concurrent License

CONSULTING SERVICES

Inceptra also provides a full range of Consulting Services for companies who are beginning to work in a Model Based Definition environment.

- MBD Quickstart for Model Creators – Learn how to define standard templates for capturing MBD to support all downstream applications
- MBD Quickstart for Downstream – Learn how to extract and use MBD in manufacturing processes



First Article Inspection Report													
Form 3. Characteristic Accountability, Verification and Compatibility Evaluation													
1. Part Number	2. Part Name										3. Serial or Number	4. FAI Report #REF!	
5. Char No.	6. Reference Location	7. Characteristic Designator	8. Requirement	9a. Unit	9b. Tolerance	9. Results		10. Designated Parting	11. Non-Conformance Number	14. Notes			
1	SideView		Ø30.00										
2	SideView		Ø90.00 40.70°										
3	SideView		10.00										
4	SideView		Ø40.00 30.07°										
5	SideView		Ø1.00										
6	SideView	N/A	Datum: A										
7	SideView	N/A	Datum: B										
8	SideView	N/A	Datum: D										
9	SideView		Φ 0.000 A B										
10	SideView		∠ 0.100 A										
11	SideView		∠ 0.100 A B										
12	SideView		∠ 0.100 A										
13	SideView		30.00										
14	SideView	N/A	∠.05										

The signature indicates that all characteristics are accounted for, meet drawing requirements or are properly documented for disposition.

12. Prepared By: _____ 13. Date: _____

