Cadra Version 12.1
Release Notes

SofTech is pleased to provide you with Cadra™ - Version 12.1. Version 12.1 includes the new Catia-Cadam Drafting (CCD) read and write translator in addition to some high priority corrections. This document will briefly review these changes to Cadra.

Catia-Cadam Drafting Translator

Summary

This release of Cadra introduces the new Catia-Cadam Drafting (CCD) read and write translator.

The Cadra CCD translator will be able to read CCD files in both 4.2.2 and 4.2.4.1 formats. It will write out CCD Version 4.2.2 files that can be read into either version of CCD. All Cadra compatible CCD entities will be converted. Non-Cadra-compatible CCD entities will be exploded into primitive entities.

The CCD translator does not support the following CCD entities:

1. Flange splines
2. Bi-Flange splines
3. User defined area clearance patterns
4. Raster
5. Parametric entities
6. Part/BOM
7. CCD Hidden Lines

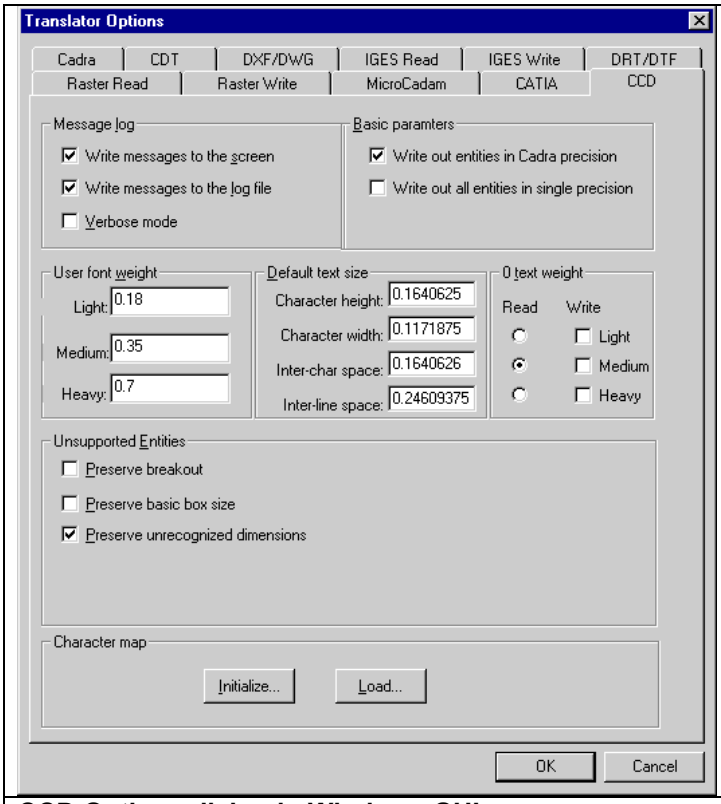
The CCD translator does not support the following Cadra entities:

1. Cutouts
2. Raster
3. 3d model entities. If you want to output 3d model entities to CCD it will be necessary to project them into a 2d view first.

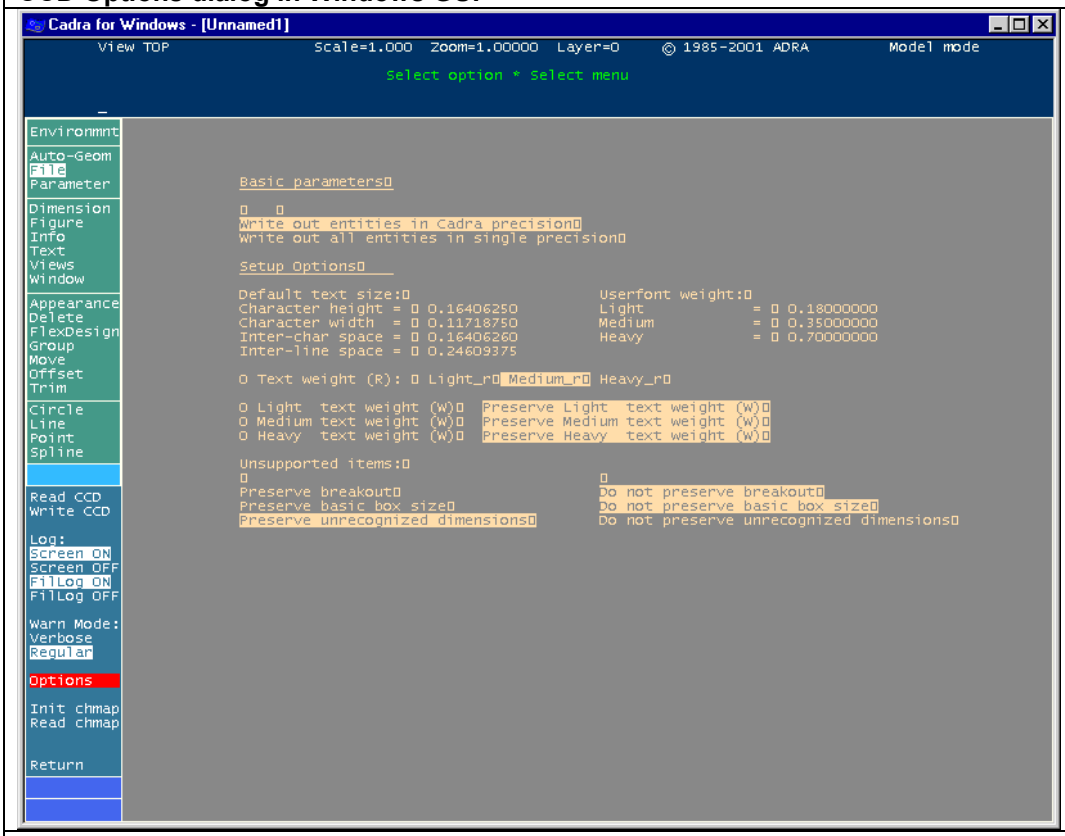
User Interface

CCD files are opened and saved just like any other files using the standard file open and save dialogs. CCD files have a file extension of **.cdd.**

Options to the CCD file read and write are specified on the **CCD** page of the **Translator Options** dialog using the Windows GUI. In the Cadra GUI these options are accessed by selecting **File/Translate/CCD Menu/Options**. The following shows these options in the two GUIs. A table explaining the options follows the dialogs.



CCD Options dialog in Windows GUI



CCD Options in Cadra GUI

Windows UI	Cadra UI	Description	
Write Messages to the Screen (Selected)	Screen ON	Select this option to have the translation log displayed on the screen for every file that is translated. The location of the screen log is specified in the List Device dialog field of the Part Display page of the Preferences Setup dialog.	
Write Messages to the Screen (Not selected)	Screen OFF	Translation log not displayed on the screen.	
Write Messages to the Log File (Selected)	Fillog ON	Select this option to create a log file for every file that is translated. The log file name is the same as the translated file's name, except it contains a .log extension.	
Write Messages to the Log File (Selected)	Fillog OFF	Log file not created.	
Verbose Mode (Selected)	Verbose	Select this option to see all warnings generated by the translator.	
Verbose Mode (Not selected)	Regular	If Verbose mode is not in effect, only the most serious warnings will be output.	
Character Map: INITIALIZE	INIT CHMAP	Resets the mapping tables for CCD read and write to CCD defaults. (Default values are dependent on whether or not the Kanji utility has been loaded.)	
Character Map: LOAD	READ CHMAP	Reads the 'ccdcharmap.txt' file, if it exists, to read customized mappings for CCD read and write	
	Cadra UI: **Options**	Displays additional options that enable you to define text parameters, mixed precision options and to preserve unsupported entities.	
User font weight	USER FONT WEIGHT		
		LIGHT	Default = 0.18
		MEDIUM	Default = 0.35
		HEAVY	Default = 0.7
Default Text Size	DEFAULT TEXT SIZE	Correspond to the CCD CHRTBL parameters from the CHRTBL_ASSEMBLE file. If the parameters below were modified from the CCD defaults, enter those modifications here.	
		CHARACTER HEIGHT	Indicates the DFCHGHT parameter value. Default = 0.1640625
		CHARACTER WIDTH	Indicates the DFCWDTH parameter

			value. Default = 0.1171875
		INTER-CHAR SPACE	Indicates the DFHSPCE parameter value. Default = 0.1640626
		INTER-LINE SPACE	Indicates the DFVSPCE parameter value. Default = 0.24609375
0 Text Weight Read	0 TEXT WEIGHT READ	Specifies the read parameter defining the weight assigned to notes in Cadra that did not have weight assigned in CCD.	
		LIGHT	Specifies that text with no weight will become light weight.
		MEDIUM	Specifies that text with no weight will become medium weight.
		HEAVY	Specifies that text with no weight will become heavy weight.
0 Text Weight Write	0 TEXT WEIGHT WRITE	Specifies that all text line weight of the specified type will be zeroed out	
		LIGHT	Specifies that light text will have 0 text line weight
		MEDIUM	Specifies that medium text will have 0 text line weight
		HEAVY	Specifies that heavy text will have 0 text line weight
Write out entity in Cadra precision	Write out entity in Cadra precision	On CCD write, all entities will be in Cadra precision.	
Write out all entities in single precision	Write out all entities in single precision	On CCD write, all entities will be in single precision.	
Preserve breakout (selected)	PRESERVE BREAKOUT	Preserve CCD breakout (Looks same; wrong position on round trip if modified in Cadra)	
Preserve breakout (not selected)	DO NOT PRESERVE BREAKOUT	Use Cadra breakout (Correct position if modified in Cadra but looks different)	
Preserve basic box size (selected)	PRESERVE BASIC BOX SIZE	Linestrings created for boxes on CCD read (box same size as CCD)	
Preserve basic box size (not selected)	DO NOT PRESERVE BASIC BOX SIZE	Boxes defined as part of enclosed text on CCD read (box slightly larger than CCD)	

Preserve Unrecognized Dimensions (Selected)	Keep Dim	Select this option if you want dimensions not supported fully in Cadra to be created as dimensions. These dimensions should look the same as in CCD, but Cadra will be unable to edit them with the Cadra edit dimension function
Preserve Unrecognized Dimensions (Not selected)	Dim Set	The dimensions will be converted into a set.

Corrective Maintenance

The following corrections are included in this release:

1. Justified ANSI dimensions – The behavior of justified ANSI dimensions was fixed so that they remain justified when they are modified.
2. Interactive Printing - Cadra now forces the user to specify a paper size when printing to the system printer and selecting the Fit To Page and/or Center On Page options. In 12.0 it would not force this specification and the user could end up attempting to print to an undesired paper size.
3. Printing through the COM interface – The portrait/landscape orientation of print requests through the new Plot COM interface has been fixed to work when the user just changes the orientation angle.
4. Out arrow line length – This length is now preserved in the profile (prf.sys). This is the length of dimension arrows when they are pointing in toward the geometry. It is specified on **Arrow** page of the **Dimension Style** dialog of **Setup**.

Platform Support

Version 12.1 has been qualified for the platforms listed in the table below. The CD distributed with this update release contains software for all the supported platforms.

Workstation	**Operating System**	**Revision Level**	**Status**
Intel Pentium PCs	Windows 98	All	Supported
Intel Pentium PCs	Windows NT	4.0 with Service Pack 3 or higher	Supported
Intel Pentium PCs	Windows 2000	All	Supported

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