IRONCAD (CAXA) DRAFT - OPTIONS - CUSTOM SETTINGS (2023 PU1)

The following images highlight the settings used in "Options", that differ from the "Default".

These custom settings can be inputted manually (as highlighted in the images), or automatically (by importing a previously saved System Options configuration file.





These Paths are Specific to Each User (shared company folders displayed above)

Options

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These Paths are Specific to Each User (shared company folders displayed above)

ions	×	Options	×
	Default Import from file Export to file	This relates to the "Autosav	re File Path". Default Import from file Export to file
Path Display System - Treat Data Interface - Aptitude - 30 Interface - File Attribute	Color Settings Current Coordinate Model Background Magenta Black Default Not Current Coordnation Layout Background Red Black Cursor White Red Red	Path Olsplay System Unteraction Text Obtai Interface Aptitude Suffrace File Attribute When this option is	Saving Interval 5 Minute(s) Default Standard ISO Max Real Number 10000000 Default Save CAXA CAD 202 Auto Arrange Entity Layer Update the View after Opening File Make Backup File Automatically name the block when creating it S sch lide fasture when creating a new entity.
When "Editing in Place" Generated Views, if the "Fade Control" is enabled, the geometry within the View will also be faded (which is incorrect).	Cross Cursor Size	selected, a backup file with the extension *.bak" is created whenever the active document is saved (and in the same location as the active document). This is not related to the "Saving Interval" or the "Autosave File Path".	Settinge of File Merging External samename block Do not merge O not merge Change name after merge Change name after merge Remain origin scale in merge Check dimension Data in past OLE Export Configuration Symbol of Detail View Default Selections Auto Fill Opposite Roman Figures Default Roman Figures Default File Name
	OK Cancel		OK Cancel

Personal Preferences

Company Drawing Standards

The settings within "Auto Laver Rule" are dependent upon the layers in the drawings. The settings within "Set Matching Rule" are dependent upon the Attributes used within the drawing Title Blocks and BOMs.

Auto	o Layer Rule	:
	Object type	Layer
1	Datum Symbol	Standard Annotations 025 🔹
2	Annotation	Standard Annotations 025 🗸
3	Geometric Tolerance	Standard Annotations 025 🔹 👻
4	вом	Standard Annotations 025 🔹 👻
5	Section Line Symbol	Standard Annotations 035 🔹 👻
6	Welding Symbol	Standard Annotations 025 🔹 👻
7	Pyramid/Pitch	Standard Annotations 025 🔹 👻
8	Table	Standard Annotations 025 🔹 👻
9	Surface Finish	Standard Annotations 025 🔹 👻
		OK Cancel

Company Drawing Standards (see button within System)

The settings within "Auto Layer Rule" are dependent upon the layers in the drawings.

	Attribute Name	Match Name
1	QTY	PartQuantity;
2	PART NAME	PartName;
3	PART NUMBER	Part Number;PartNumber;
4	REV	Revision;
5	PART DESCRIPTION	Description;PartDescriptior
6	MATERIAL DESCRIPTION	MaterialDescription;
7	ТҮРЕ	MaterialType;

Company Drawing Standards (see button within System)

The settings within "Set Matching Rule" are dependent upon the Attributes used within the drawing Title Blocks and BOMs.

	Object type	Layer	
5	Section Line Symbol	Standard Annotations 035	-
6	Welding Symbol	Standard Annotations 025	-
7	Pyramid/Pitch	Standard Annotations 025	-
8	Table	Standard Annotations 025	-
9	Surface Finish	Standard Annotations 025	-
10	ltem No.	Standard Annotations 025	-
11	Hatch	Standard Hatching LW3	-
12	Text	Standard Annotations 025	-
13	Arc-Aligned Text	Standard Annotations 025	-

Company Drawing Standards (see button within System)

The settings within "Auto Layer Rule" are dependent upon the layers in the drawings.

Set Ma	tchi	ng Rule		×
Matchir	ng ru	les:		
		Attribute Name	Match Name	
	7	ТҮРЕ	MaterialType;	
	8	STANDARD	MaterialStandard;	
	9	GRADE	MaterialGrade;	
	10	DESIGNATION	MaterialDesignation;	
	11	HEIGHT	ShapeHeightY;	
	12	WIDTH	ShapeWidthX;	
	13	LENGTH	ShapeLengthZ;	
	Dele	ete a Line Sa	ave Exit	

Company Drawing Standards (see button within System)

The settings within "Set Matching Rule" are dependent upon the Attributes used within the drawing Title Blocks and BOMs.

	Attribute Name	Match Name	
13	LENGTH	ShapeLengthZ;	
14	PATH	3DCurveLength;	
15	START	StartTaper;	
16	END	EndTaper;	
17	MASS	PartMass;	
18	VOLUME	PartVolume;	
19	DENSITY	MassDensity;	

Company Drawing Standards (see button within System)

The settings within "Set Matching Rule" are dependent upon the Attributes used within the drawing Title Blocks and BOMs.





(see button within System)

The settings within "Set Matching Rule" are dependent upon the Attributes used within the drawing Title Blocks and BOMs.

Set Ma	itchi	ng Rule		×
Matchir	ng ru	les:		
		Attribute Name	Match Name	
	19	DENSITY	MassDensity;	
	20	AREA	SheetMetalNeutralSurfaceArea;	
	21	BEND ANGLE	SheetMetalBendAngleMax;	
	22	BEND RADIUS	SheetMetalBendRadiusMin;	
	23	K-FACTOR	SheetMetalKFactor;	
	24	THICKNESS	SheetMetalThickness;	'
	25	NOTE	Note;	
	Del	ete a Line	Save Exit	

Company Drawing Standards (see button within System)

The settings within "Set Matching Rule" are dependent upon the Attributes used within the drawing Title Blocks and BOMs.

	Default	Import from file Export to file
Path Doplay System Interaction Text Oata Interface - Aptitude - 30 Interface - File Attribute	select box(P) Color (0,255,128) Selection preview Command is active No command is active No command is active Command style Interaction mode Interaction mode Instant menu style Continuous Commands System accelerator effect instantig System accelerator effect Continuous Commands System accelerator effect Continuous Commands Co	GripSize Grip Grip Grip Grip Colour (150) Object selection limit 100 Object selection limit for display of grips Stretch Grip Mode Relative length Pop up note dalog before modifying the data in the installation directory Support graphic Dim Right key define Pick Ejlter

Default (note the "Right key define…" and "Pick Filter" buttons)

Right key define	×	Pick Filter						×
Defaut mode Selection is empty, right button dick is Repeat last command		Entity Point Polyline Picture PDF Underl	Uine Block CLE	☑ Cirde ☑ Hatch ☑ Item No.	 ✓ Arc ✓ Text ✓ Frame 	 ✓ Ray ✓ Dim ✓ Title Block 	Construction	Select All Clear All
Accelerator menu Edit mode Selection is not empty, right button dick is		Dim Linear Dim Diameter Pyramid Dim		Three points angle Half dim Ray Dim	e 🖌 Anı V Big	gular Dimension Arc Dim ch Dimension	✓ Radius Dim ✓ Arc Length Dim	Select All Clear All
Repeat last command Accelerator menu		Coordinate E Coord List	imension lerance	Corigin Ordinate Leader D Surface Finish	im	gned dimension amfer Dim	✓ Hole ✓ Leader	
Command mode		Datum Symb Layer <u>Select All</u>	ol Clear All	Color	ol Cer	nter Hole Linetype	Welding Symbol	
Confirm Accelerator menu Annotate command mode		Centerline Layer Centerline Layer Dash Layer Solid Layer Thick Solid Layer Dimension Layer Hatch Layer	er er		Red Yellow Green Cyan Blue Magenta Vhite		Continuous - — —Dash — —Dash Dot — Dash Doubl	: le-dot
Active dialog OK Cancel		Hidden Layer			Black /iolet Teal		X Cancel	
Default (see button within Interactio	n)	(see l	D Dutton w)efaul vithin	t Intera	ction)	
Options Default Import fro	m file Export to file	Options				Default	Import from file	×
Path Display System Interaction Interaction Code page settings of old file File Attribute Code page Output code page Chinese Simplified N	It Text Height It mirror Option Position Mirror Mirror mirror	- Path - Diplay - System - Interaction - Text - Data Interface - Apthude - 30 Interface - File Attribute		DWG Rec Default 0.00 m Paper R Paper Rec Rec DWG Exp DWG Exp DWG Exp DWG Exp DWG Exp DWG Exp Dydets	ading Settings Lineweight m .ecognition Settin Size .Check d in polyline with ort Settings ode Dimension ode Block Compatibility	 > ng > > Explode 1 ■ Explode 1 	Lineweight Matd Solid Line Width Text encoding ty Auto	h Method
	OK Cancel			Cload D:\JAM Type	d default templat IES FORTEN INDI e recognize E DXF file with Pr	e file USTRIAL LTD\IRON	Select Defa	ult tpl File NCAD type

Company Drawing Standards

Company Drawing Standards

The Template Path is Specific to Each User (shared company folder displayed above)



"Free" Capture Mode - Snap and Grid Default

Options	Default Import from	K Export to file
Path Deplay System Interaction Text Data Interface Apbilude - 30 Interface - File Attrbute	Current Free Rename New mode Snap and Grid Poler Gude Object Snap Divide Object Capture Object Capture Mode Snap Testate point midde the cursor box Auto Magnetize Orthogonal first Snap all festate points within the composite object Snap all feature points of FOF Inner objects	Delete
	Object Capture Mode	
	Endpoint 🔁 InsertPoint	Select All
	△ MidPoint L Perpendicular	Wipe All
	O Center O Tangent	
	X Node ∑ Nearest	
	♦ Quadrant // Parallel	
	X Intersection Extend	
	ОК	Cancel

Default



"Intelligent" Capture Mode - Polar Guide Default



"Free" Capture Mode - Polar Guide Default

Path	Current		Rename New	Delete
- System	mode		Normania Inchi	Delete
- Interaction	Snap and Grid Polar	Guide Obje	ct Snap	
- Data Interface	Snap on		Grid on	
Aptitude	Snap spacing		Display dotted g	rid
- 3D Interface File Attribute	Snap X spacing	10	Grid spacing	
	Snap Y spacing	10	Grid X spacing	10
	Equal X and Y spacing	Grid Y spacing	10	
		Major line every	5	
	Aperture Size	_	Crid hebaular	
			Adaptive grid	
			Allow subdivis	sion below grid
			Aperture Status	
			Show Aperture E	lox

"Free" Capture Mode – Object Snap "Intelligent" Capture Mode - Snap and Grid Default



"Intelligent" Capture Mode - Object Snap Default



"Grid" Capture Mode - Snap and Grid Default

		Default Import from file Export to file
- Path Display - System - Interaction - Text - Data Interface - Aptitude - 30 Interface - File Attribute	Current Grid Polar Guide Snap and Grid Polar Guide Invoke Object Capture Object Capture Mode Snap feature point Inside I Auto Magnetize Snap all the feature pol	Rename New Delete Object Snap the cursor box Othogonal first this within the composite object
	Snap all feature po	ints of PDF Inner objects
	Object Capture Mode	
	Endpoint	C InsertPoint Select Al
	△ MidPoint	Perpendicular Wipe All
	O Center	
	🔯 🗌 Node	X Nearest
	♦ Quadrant	// Parallel
	X Intersection	Extend

"Grid" Capture Mode - Object Snap Default



"Guide" Capture Mode - Polar Guide Personal Preferences



"Grid" Capture Mode - Polar Guide Default

Path Display System	Current Guide	Rename New	Delete
- Interaction	Snap and Grid Polar Guid	e Object Snap	
- Data Interface	Snap on Snap spacing	Grid on	arid
3D Interface File Attribute	Snap X spacing 10	0 Grid spacing	
	Snap Y spacing 10) Grid X spacing	10
	Equal X and Y space	Grid Y spacing	10
	Aperture Size	Major line every	5
		Grid behavior Adaptive grid Allow subdiv spacing	ision below grid
		Aperture Status	
		Show Aperture	Box

"Guide" Capture Mode - Snap and Grid Default



[&]quot;Guide" Capture Mode - Object Snap Default

h lay ten t L interface tude Interface Attribute

Company Drawing Standards

Line Attributes are detailed in the document "Options - 3D Interface – Line Attributes".



Company Drawing Standards

					~
		Default	Import fr	om file Export	to file
Path Deplay System Interaction Text Data Interface Aptitude Go Interface File Attribute	View properties	Cosmetic thread egree Circle on of Opening	Dimensions	BOM and others	

Default

	Default Import from file Expor
Path	View properties Cosmetic thread Dimensions BOM and other
System	Import BOM Settings
Interaction	Merge same Default configuration:
Text	☐ Ignore All Parts ✓
Aptitude	Update BOM Settings
3D Interface File Attribute	O Auto Remerge all same Split all same
	Ask Whether to Fit Paper When Projecting
	🔷 Always Ask 🔅 Always Adjust 💽 Always Ignore
	Check failed dimension Check failed dimension after View updates
	Calculate Weight
	Synchronize Settings
	Default hatch settings Scale 2.5
	Set Text's Frame of No.

Company Drawing Standards

"Ask Whether to Fit Paper When Projecting" relates to changing the "Paper Scale" within "Paper Settings". This should always remain as 1:1 when projecting in "Layout Space".

Set Text's Frame of No	o.	×
1		3
40	(j) <mark>(</mark>)	6
7		
	ок	Cancel

Company Drawing Standards (see button within BOM and others)

	Default	Import from file Export to file
Path Display System Interaction Text Data Interface Aptitude 30 Interface File Attribute	Drawing Unit Length Type: Dedmal ~ Precision: 0.0000 ~	Angle Type(Y): Deg. V Precision: 0.0000 V
	Associative Make new dimensions associated Make the Hatch/Sold Generate viewport Gen viewport vihen creating a new sheet	Wpeout border No border appear Show frame Appear but not print

Company Drawing Standards

Note that these aren't "Global Settings" like the others are. These are "Drawing" specific. That means, that any changes made here only affect the currently open drawing.

As a result. Its important to ensure that all drawing "Templates" have these settings, so that any drawings created from them adopt these settings also.