



Software Product Validation Testing Report

Report No. : ZT160804133

CAD Software Product Validation Testing Report

Product Name: GStarICAD 2008i

Product Type: 2008i

**Development Company: Suzhou GreatStar
Technology Development CO.,Ltd.**

Item No. : HTZA4ET0804133

Detection Time: Apr. 16, 2008



**中国软件评测中心
China Software Testing Center**



Speed Compare

Item		Compare Result		
		GStarICAD 2008	ZwCAD 2008	AutoCAD 2008
Open	1963KB	3.03"	3.88"	3.18"
	3723KB	5.13"	5.5"	4.06"
	16075KB	15.56"	19.06"	8.91"
	1784KB	3.85"	6.19"	3.90"
	70234KB	9.41"	14.54"	4.94"
Redraw	1963KB Repeat 10 times	1.72"	3.50"	Less than 1 sec.
	3723KB Repeat 10 times	1.68"	1.84"	Less than 1 sec.
	16075KB Repeat 10 times	3.10"	6.79"	Less than 1 sec.
	1784KB Repeat 10 times	1.66"	1.97"	Less than 1 sec.
	70234KB	1.19"	1.44"	Less than 1 sec.
Zoom All	1963KB	Less than 1 sec.	Less than 1 sec.	1.03"
	3723KB	Less than 1 sec.	Less than 1 sec.	1.06"
	16075KB	4.28"	7.16"	10.31"
	1784KB	Less than 1 sec.	Less than 1 sec.	1.0"
	70234KB	1.44"	1.44"	1.25"
Regen	1963KB	Less than 1 sec.	2.45"	1.15"
	3723KB	Less than 1 sec.	1.50"	1.82"
	16075KB	3.25"	7.15"	7.87"



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Item		Compare Result		
		GStar!CAD 2008	ZwCAD 2008	AutoCAD 2008
	1784KB	1.41"	4.41"	2.34"
	70234KB	1.31"	2.25"	3.25"
Save	1963KB	2.19"	2.18"	1.03"
	3723KB	1.91"	2.41"	1.03"
	16075KB	6.47"	7.59"	2.44"
	1784KB	1.59"	2.31"	1.09"
	70234KB	8.13"	26.88"	6.12"
Select All	1963KB	Less than 1 sec.	Less than 1 sec.	1.03"
	3723KB	Less than 1 sec.	Less than 1 sec.	2.31"
	16075KB	3.97"	10.0"	58.81"
	1784KB	Less than 1 sec.	Less than 1 sec.	Less than 1 sec.
	70234KB	1.43"	1.75"	2.0"
Copy	1963KB	3.32"	10"	4.81"
	3723KB	4.34"	12.25"	5.38"
	16075KB	26.65"	59.06"	52.59"
	1784KB	4.46"	10.37"	6.47"
	70234KB	22.69"	46.94"	9.56"
Cancel	1963KB	2.0"	1.47"	1.93"
	3723KB	2.28"	1.28"	1.25"
	16075KB	16.25"	8.53"	10.65"
	1784KB	2.16"	Less than 1 sec.	4.25"
	70234KB	8.0"	6.50"	2.28"
Resources occupation when open,	1963KB	113,344k	141,484k	105,560k
	3723KB	100,352k	98,604k	70,128k
	16075KB	161,584k	200,692k	121,572k



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Item		Compare Result		
		GStar!CAD 2008	ZwCAD 2008	AutoCAD 2008
refresh,zoom,	1784KB	80,616k	77,604k	69,996k
regen	70234KB	250,736k	301,276k	173,976k
Resources	1963KB	193,436k	259,956k	162,836k
occupation	3723KB	167,128k	171,312k	97,100k
when save,	16075KB	348,548k	454,896k	208,884k
copy, move,	1784KB	152,296k	157,756k	93,032k
refresh,zoom, regen,return	70234KB	523,336k	671,036k	301,436k
3D Operation Speed Compare				
Hub.dwg	Shade	10.50"	18.32"	1.28"
	Hide	0.66"	18.00"	1.25"
	Zoom/e	0.78"	18.03"	2.19"
	10zoom/0.99x	4.32"	2'57"	1.44"
	vpoint(1,1,1)	0.81"	17.91"	3.22"
	U	1.10"	35.50"	1.16"
Plane.dwg	Shade	6.72"	7.15"	1.50"
	Hide	1.09"	6.87"	2.16"
	zoom/e	1.38"	6.82"	3.91"
	10zoom/0.99x	7.93"	1'04"69	14.16"
	vpoint(1,1,1)	1.09"	6.59"	4.66"
	U	1.97"	13.40"	1.81"



Compatibility Compare

Item		Compare Result		
		GStar!CAD	ZwCAD	AutoCAD
		2008	2008	2008
Compatibility	Support DWG, DXF from AutoCAD R2.5 to 2009	✓	✓	✓
	dwf	✓	✓	✓
	dwt	✓	✓	✓
	shx	✓	✓	✓
	pat	✓	✓	✓
	lin	✓	✓	✓
	CTB	✓	Only support part partparameters	✓
	STB	✓	✗	✓
	CUI	✓	✗	✓
	MNU	✓	✓	✓
	PGP	✓	✓	✓
	Open mutually the saved drawings	✓	✓	✓
	Open by other CAD when nesting Xrefs	✓	Abnormal Exit opened by AutoCAD	✓
Font System	Font Location	✓	Error	✓



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Item		Compare Result		
		GStarICAD 2008	ZwCAD 2008	AutoCAD 2008
Compatibility	TTF Text Width	✓	Error	✓
	Pile Text	✓	Not support diagonal fraction, text-align exists wrap	✓
	Space Between	✓	Error	✓
	Line Wrap	✓	The location and condition of line wrap have some problems	✓
	Paragraph Indents and Tab	✓	Not support Paragraph Indents	✓



Stability Compare

Item		Compare Result		
		GStarICAD 2008	ZWCAD 2008	AutoCAD 2008
Xref.dwg	Insert xref.dwg" by DWG Reference pop-up menu	Normal Operation	Abnormal Exit	Normal Operation
	zoom/e			
	Open all Osnap			
	^ Snap points			
	Pick one point			
Layers Operation	Build a layer & b layer	Normal Operation	Abnormal Exit	Normal Operation
	Draw circle in a layer			
	Reenter Layers Manager			
	Delete b layer, then rename a with b layer			
	Close Layers Manager			
146-E.dwg	Open "146-E.dwg"	Normal Operation	Abnormal Exit	Normal Operation
	Ddblclick white ? texts in the drawing			
offset.dwg	Open the offset.dwg	Normal Operation	Abnormal Exit	Normal Operation
	Execute offsetcommand			
	Distance setting is 0.1			
	Select a line randomly, offset inward			
	Continue to offset the created line inward			



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Dimension error.dwg	Open Dimension error.dwg	Normal Operation	Abnormal Exit	Normal Operation
	Select Override			
	Enter dimse1=0			
	Enter dimse2=0			
	Enter			
	Select one dimension in the drawing			
	Enter			



Function Compare

Functions	GStarICAD	ZWCAD	AutoCAD
	2008	2008i	2008
HDI Plot Driver Interface	✓	✗	✓
Add PDF, Raster Series Virtual Printer	✓	✗	✓
CUI	✓	✗	✓
Design Center Browse and insert images	✓	✗	✓
Tools Palettes	✓	✗	✓
Auto-recovery & Backup	✓	✗	✓
3D Real Time Cutting	✓	✗	✓
3DS Files Import	✓	✗	✓
SPLINEDIT	✓	✗	✓
Mtp	✓	✗	✓
Track, Rtext	✓	✗	✓
Drawings Compare	✓	✗	✓
Word paste special into blocks	✓	✗	✓
Layerp, DIESEL	✓	✗	✓
Drawings Encryption	✓	✗	✓
Import DXB File	✓	✗	✓
Visual Styles	7 kinds	2 kinds	5 kinds
ACIS Realize Complex Computation	✓	✗	✓



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3D connexion Mouse Interface	✓	✗	✓
Convert	✓	✗	✓
Multi -pitch Point Edit	✓	✗	✓
Add Command Modifier	✓	✗	✓

Testing Environment:

Hardware Environment (3 computers):

DELL GX280 (CSTCHW0197、CSTCHW0210、CSTCHW0208)

CPU: Intel Pentium IV 3.0GHz

Memory: 512MB

HD: 80GB

Software Environment:

Windows XP

Windows Vista

Office 2003

Stopwatch: JinQue SJ9-2 II