

ZU converter v2.0 (DEMO)

16.12.2011



User guide



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Installation

System Requirements

Operating system: Windows XP, Windows 7; FDD; ArtCam 2008 or later.

General restrictions

- 1. The names of the files used in the creation of NC programs and routines must consist of Latin letters.
- 2. File's name length must not exceed 11 symbols.
- 3. To prepare files for conversion you should use only recommended postprocessor.

Restrictions DEMO

	characteristic	ZU converter v2.0	ZU converter v2.0 (DEMO)
1.	Convert	$\overline{\mathbf{S}}$	\bigcirc
2.	Limiting the volume of converted file		2 kB
3.	Write to a floppy disk	\odot	
4.	Restriction of volume of a writeable file	1,83 MB	2 kB
5.	Copying from a diskette		\bigcirc
6.	Formatting a floppy		
7.	Connecting the floppy image for viewing and editing		\bigcirc
8.	Creating a floppy image	\bigcirc	\bigcirc
9.	Write image on the floppy	\bigcirc	\bigcirc
10.	Method of distribution	pay	free



Installation Procedure

1. Installing the converter.

Run the ZU2.0(DEMO)Install.exe and follow the instructions.

2. Installing the postprocessor.

Run the **Post(DEMO)Install.exe** and follow the instructions.

WARNING!

To install the postprocessor you must specify the folder "\ postp" in the directory where you have installed ArtCam!!!

Установка Postprocessor RT48x (DEMO)		
Postprocessor RT48x (DE	MO)	Аdvanced Installer Установка
Выбор папки установки		
Это папка, в которую будет устанавливаться Postprocessor RT48x (DEMO).		Необходимо указать папку с установленными постпроцессорами ArtCam. Для установки в эту папку нажмите кнопку "Далее". Для изменения папки установки, укажите ее вручную или нажмите кнопку "Обзор".
	Папка назначени	19:
	C:\Program Files	\ArtCAM 2008\postp\O63op
		< Назад Далее > Отмена

The first launch





ZU converter v2.0 uses a set of options. To open the Preferences window click on the button in the upper left corner of the screen and choose "setting".

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Write to	Recent Docum	ents			_	_	_	_	•
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STAR	.zu	863	14.12.201						
€ZUU	.zu	2084	14.12.201	1 23:21:15					
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One of the most important settings is the arrangement of working folders.

- **ZU folder** the folder where the files with the extension *.zu are located. These files are TP (tool path) that is created by a postprocessor ArtCam BiesseRT480_by_ZU_mm.con. By default, this folder is C:\Program Files\ZU converter\ZU folder.
- **Programs folder** TP for RT48x. Files without an extension that were converted from *.zu files. They are designed to write to a floppy and use on the machine. By default, this folder is C:\Program Files\ZU converter\RVPR.
- **Subprograms folder** folder with sub-. By default, this folder is C:\Program Files\ZU converter\RVPS .

Comment. All screenshots were made in the program **ZU converter v2.0** (**DEMO**) in Windows 7.



Settings		
	 4 ▼ Number configuration ✓ delete file *.zu after conversion ✓ create file's name automatically 	
ZU folder path		
	es (x86)\ZU converter\ZU folder	select folder
Program folder path		
C:\Program File	es (x86)\ZU converter\RVPR	select folder
Subprogram folder path		
C:\Program File	es (x86)\ZU converter\RVPS	select folder
Remember size and post	sition of application window	
	Cancel	ОК

You can change the location of these folders in the window settings by clicking the "select folder".

8	✓ create file's name automatically				
ZU folder path					
H:\ZU2.0\ZU fo	H:\ZU2.0\ZU folder				
Program folder path					
H:\ZU2.0\RVPF	ł	select folder			
Subprogram folder path					
H:\ZU2.0\RVPS	5	select folder			

On the other settings, the program will be discussed in section "<u>Window Settings</u>".



Work

Convert files (tab "CONVERTER")

Attention! **ZU converter v2.0** is designed to convert files created in the program ArtCam with a special postprocessor **BiesseRT480_by_ZU_mm.con**!

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😎 MERS	.zu	818	15.12.2011 0:45:19					
STAR	.zu	863	14.12.2011 0:39:53					
😎 ZUU	.zu	2084	14.12.2011 23:21:15					
•			•	4				1

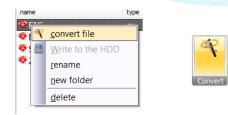
In the left pane displays the files *.zu which are located in **ZU folder.** These files are designed to process in our application. These files will be converted.

Files from the **Programs folder** displays in the right pane.

To convert a file, simply double-click on the needed file on the left side. The file will be processed and will appear in the right pane with the same name, but without the extension.

You can also use following methods:

- 1. Select the context menu "convert";
- 2. Click in the Control Panel button "Convert".





CONVERTER FLOPPY IMAGE Image: Convertion of the state of th			_		ZU converter v2	2.0 (DEMO)	-			X
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If the checkbox is not set "create file's name automatically", you will have to specify the file name itself.

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CONVERTER	FLOPPY IMAGE					0
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				 Музыка • • Имя файла: Тип файла: Скрыть папки 	п ,	
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If it is necessary you can change the file's name. To do this right click on the needed file, the context menu, choose "**rename**" in the dialog box to enter a new name and click "**OK**".



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	10	1		OKCanc	.el	•

Also there are commands "convert file", "Write to the HDD", "new folder" and "delete" in the context menu. Hopefully, their purpose is clear to all without any explanation.

Working with a Floppy (tab "FLOPPY")

For recording TP's files one needs a CNi-format floppy disk. **ZU converter v2.0** can create a floppy disk CNi.

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	FLOPPY IMAG	E	_	ZU converte	v2.0 (DEMO)		_	_ = ×
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<					<			>



The **ZU converter v2.0 (DEMO)** has several limitations. Function floppy disk formatting is disabled in the DEMO. You can use a disk image which is located in C:\Program Files\ZU converter\FloppyImage before you buy a full version. For creation a diskette of format Cni write down this image on a diskette. (Look section <u>"Creating disk image / Write image to floppy"</u>).

For recording tool path (TP) on a floppy you need:

- 1. Interpose a diskette into the disk drive;
- 2. Open a tab "FLOPPY";

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•		III		•	•	Ш			Þ

3. Choose needful drive in the list;

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CONVERTE	r <mark>Floppy</mark> in	1AGE					0
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ZU converter will read a floppy and display a content of a diskette in the left side.



					ZU converter v2	.0 (DEMO)					X
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ABC		programs	384	?		😎 FIG			2048	17.12.2011 1:53:31	
SUB1		subprograms		?	, j						
♥ SUB2	2	subprograms	\$ 256	?							
•					•	•		111			•

4. Choose a file for the recording in the right side of window. Choose "Write to Floppy" in the context menu.

					ZU converter v2	2.0 (DEN	10)				
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								<u>n</u> ew folder			
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ZU converter will record a selected file on the floppy.

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		 programms subprogramms all other types 		Ť						
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name		type	size	time		name	type	size	time	
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😎 SUB1		subprogram	s 256	?						
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♥ FIG		programs	2048	?						
•		111			4	•	111			4

To record subprograms on a floppy you need to choose in the list "subprograms".

					ZU converter v	2.0 (DEMO)			
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😎 SUB1		subprograms		?		😎 SUB1		256	11.12.2011 22:46:23
😎 SUB2		subprograms		?		😎 SUB21		256	25.11.2011 21:54:48
♥FIG		programs	2048	?					
		111			1	•	111		

There is a button "Mount Image" on the tab "Floppy". With its help one can connect available image of the floppy .





Click "Mount Image" and choose a file of an image on the HDD.

ZU converter v2.0 will read the image's file and display its content in the left side of the application's window.

	\sim	_	Z	J converter v2.0 (DEN	(ON	_		
	R FLOPPY IN	1AGE						(
A (1)	 programms subprogramms all other types 		Ť					
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4,1%				2.5		64,3%		
C:\Program Files	(x86)\ZU convert	ter\Floppy	yImage\IM	AGE2.img 🔻 🧐	programs	🔻 🥎 👃 RVF	'nR	- 4g
name	type	size	time		name	type	size	time
🔄 CAR	programs	20480	?		😎 FIG		2048	17.12.2011 1:53:
DRAGON	programs	11648	?					
WAVES	programs	5888	?					
₹U	programs	7296	?					
₹U20	programs	4992	?					
•	111			•	•	111		•

Now you can work with a connected image as with a usual floppy. You can record file on the image, delete a file from the image, copy files on the HDD and change the name of the file.

Creating disk image / Write image to a floppy (tab "IMAGE")

There is one more useful function in **ZU converter v2.0** – it can create floppy's image. We know that floppies are short-lived. Save the floppy's image on HDD with ZU converter v2.0.It can be preserved there for a long time. And you will be able to write this image on floppy. And it can create not only floppy's image with programs and subprograms but any 1,4MB floppy's image. Для работы с образами нужно перейти на вкладку "IMAGE".

To create an image from a floppy disk:

- 1. Set the switch to "Make Image";
- 2. In the drop-down list "Device" select the drive;
- 3. Press the Select button (...), select a directory and enter a file's name, which will be recorded with the image;
- 4. Press the "Run".



	TER FLOPPY IN	1AGE	Z	J converter v2.0 (DE	MO)				X ?
 Make Image Write Image 	Device A:\ Output file OUT.img	× @		-	-	-	-	-	
Make/Write	CHOOSE		Run						
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C:\Program File	es (x86)\ZU conver	ter\Floppy	/Image\IM	IAGE2.img 🔻 🧐	programs	🔻 🥎 👃 RV	PR		• •
name	type	size	time		name	type	size	time	
CAR	programs	20480	?		€FIG		2048	17.12.2011 1	1:53:3
DRAGON	programs	11648	?		1				
WAVES	programs	5888	?		1				
∕© ZU	programs	7296	?		l				
♥ ZU20	programs	4992	?						
•				4	•				•

To record an image on a floppy:

- 1. Set the switch to "Write Image";
- 2. In the drop-down list "Device" select the drive;
- 3. Press the Select button (...), select an image's file, that will be recorded on the floppy;
- 4. Press the "Run".

		_		ZU converter v2.0 (E	DEM	0)				X
CONVER	RTER FLOPPY	IAGE								0
Make ImageWrite Image	Device A:\	× 🗞	8							
Make/Write	CHOOSE		Run							
4,1%						64,3	%			
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name	type	size	time			name	type	size	time	
	programs	20480	?			♥FIG		2048	17.12.2011	1:53:3
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I ≥ ZU I ≥ ZU20	programs	7296 4992	? ?							
	programs	1992	r							
•					۴.	•	111			•



Window Settings

To bring up the settings you need press the menu button in the upper left corner of the screen and click "settings".

	_	-		ZU converter v2	2.0 (DEMO)	C				X ⑦
Write to 4	Recent Docume	ents					_	_		-
convert file										
settings						64,0%				
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				·						
	III			1	•	111				

You can make a few settings.

Settings		
	 4 ▼ Number configuration ☐ delete file *.zu after conversion ✓ create file's name automatically 	
ZU folder path		
	es (x86)\ZU converter\ZU folder	select folder
Program folder path		
C:\Program File	es (x86)\ZU converter\RVPR	select folder
Subprogram folder path		_
C:\Program File	es (x86)\ZU converter\RVPS	select folder
Remember size and post Remember size and post	ition of application window	
	Cancel	ОК



In the drop-down list "*Number configuration*" you can select the number of configuration tool with which you work.

If the box "*delete file *.zu after conversion*" is checked, after converting the original file with the extension *. zu will be deleted. If the checkbox is not set "*create file's name automatically*", then when you convert you will be prompted to specify the file name itself. If the check is, the name will be created automatically.

If the setting *"Remember size and position of application window"* is marked, so when you close the program the current application's window size will be saved, and the next time ZU converter opens with the saved values of these dimensions.



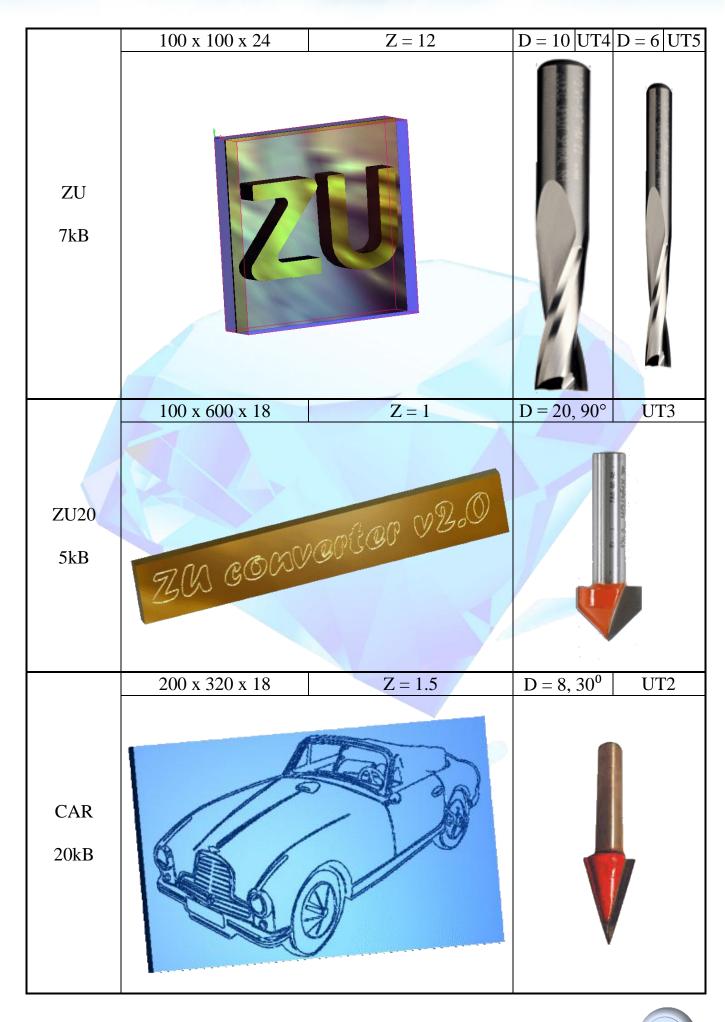


Supplement 1

The contents of the disk image file, located in the folder **ZU converter****FloppyImage**:

TP name and its size, kB		the maximum depth of lling	Mill
	455 x 1600 x 25	Z = 16	D=32 R=16 UT1
WAVES 5.75 kB			
	100 x 150 x 16	Z = 0.5	D = 20, 90° UT3
DRAGON 11.3kB			

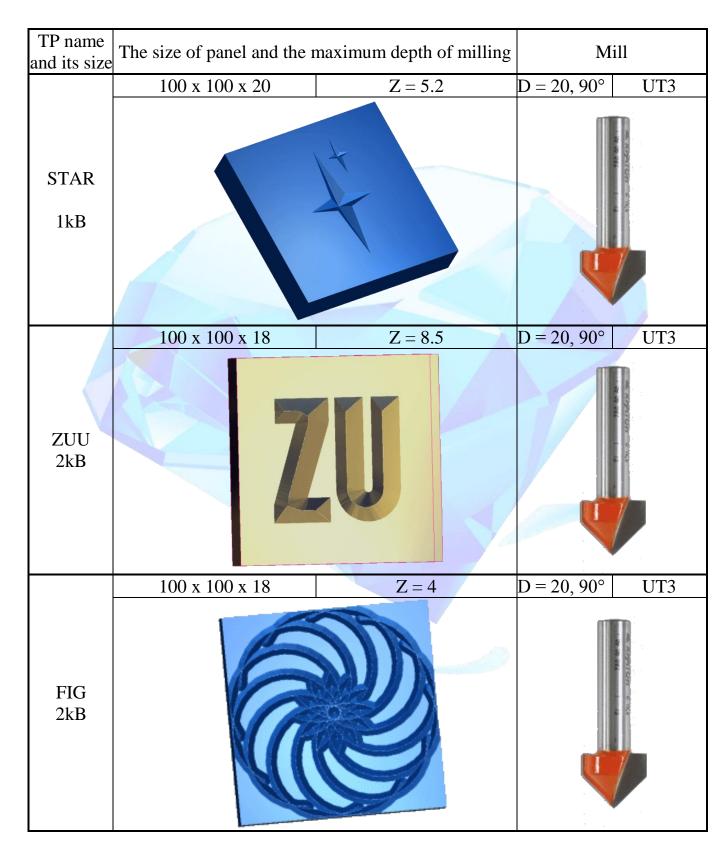






Supplement 2

The contents of the folder **ZU converter****RVPR**:





	150 x 150 x 18	Z = 8.5	D = 20, 90°	UT3
MERS 1kB				





Our contacts

For all questions please contact:

- Message through the website <u>http://rt480.3dn.ru/index/0-3</u>
- Message on the email <u>rt480.rt481@gmail.com</u>
- phone <u>+79263638773</u> or <u>+79166520235</u>

