



vectorcam

INSTALLATION GUIDE

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6. Edition

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Program errors

No program works without errors. For this reason, we emphasize that we cannot guarantee that our program will run correctly on your computer system. Special reasons lie in the many different hardware configurations that cannot be completely captured by our tests.

In a complex operation system, such as Windows, there are many reasons that can complicate or prevent proper functioning of a program. If failure of a program occurs with windows, it's quite unusual that the program is the reason for this failure. Often drivers for graphic cards, printer or other additional hardware are to blame for crashes.

Please note that we can only ensure necessary alterations for an error-free program if we are notified that our program is crashing under a certain configuration.

Therefore, we would like to request to contact us with a written description of the problem. This allows us to modificate our program accordingly.

The vectorcam team wishes lots of success with our software vectorcam.

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GENERAL
INFORMATION

System requirements as of April 2018

Dear vectorcam - user,

please check if your computer meets the necessary hard- and software requirements before you start the software installation:

Software requirements

Windows® Vista® / 7® / 8® /10®

Microsoft Windows XP: needs a special program for installation

Additional software for the employment of an apple computer:

Parallels® Desktop for Mac or an alternative program.

Minimum requirements hardware

Multi-Core processor

4 GB memory

1 GB disk memory

OpenGL capable graphics card

3-button wheel mouse

You can also find the current system requirements on our website:

www.vectorcam.com/service/hardware-voraussetzungen

Do not hesitate to contact our service team for further information:

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INSTALLATION

General information

Please read this manual carefully before you start with the installation of vectorcam.

Before you start the installation, you should make sure that you have administration rights on your computer. If you are not certain please contact your system administrator.

To ensure a flawless running of vectorcam on your computer, you should make sure that there is only one vectorcam version installed on this particular computer.

In view of the fact that file formats change from version to version, files from newer vectorcam versions can't be read by older program versions. This is why you should make sure to always use the most current vectorcam version.

The installation is performed by the download of the respective installation files as well as the provided dongle.

For installation you need:

- Login data for our customer area (check inside the provided case)
- vectorcam installation program
- Installation program for the vectorcam simulation XSIM
- License data (User, Organization and Check)
- USB-Dongle

Post processors for your CNC-machine(s)

To generate NC-Programs for your CNC-machine you will need a equivalent post processor.

Post processors are usually provided and installed separately. If you haven't received any information about this yet, please contact us.

General information

Customers can download the current program version from their individual customer-area on our website (www.vectorcam.com). Our customers with an update-service can also find regular software updates in their personal customer area.

Which vectorcam version is the most recent is displayed on our website. Go to our homepage and scroll all the way down. There you can find the customer log-in. Above this the most recent version is displayed.



Aktuelle Version: 16.10.066
Letztes Update: 26.01.2018

Kundenlogin

Benutzer

Passwort

Eingeloggt bleiben

LOGIN

In your download-portal you can find:

- Current vectorcam version for Windows 7 or newer (32-bit and 64-bit)
- Current vectorcam version for Windows XP (32-bit and 64-bit)
- Current version XSIM for Windows 7 or newer (32-bit and 64-bit)
- Current version XSIM for Windows XP (32-bit and 64-bit)
- Version-history (PDF file with all the information of the respective changes of the different versions)
- Individual license data for the license.ini file

Initial installation vectorcam

Log-in into your personal customer area on our website. You can find your personal login data inside the provided dongle-box.



Under ‚Downloads‘, your personal customer area provides you with all the files you need for the installation. Choose the files according to your hardware requirements (32-bit or 64-bit) and download this file onto your computer.

Now, connect the provided USB-Dongle with your computer and start the installation program by double clicking your file. Follow the instructions of the dialogues.

Please note!

Make sure to remember in which folder you installed the software.

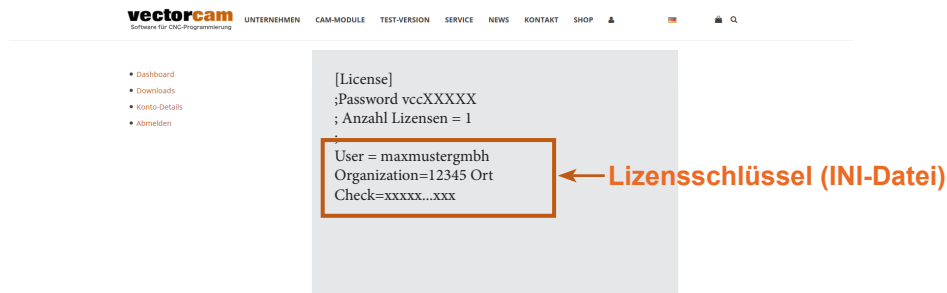
Now login to your customer area once more. On the dashboard you can find a box with your personal license key.

Copy the license-key (User; Organization; Check) and open the folder in which you installed vectorcam. There you will find a file named license.ini. If the file is not available, please contact us.

Open the license.ini and paste the license key. Save this file. It's important that the file license.ini is stored in the same folder as the vector.exe.

Initial installation vectorcam

Now login to your customer area once more. On the dashboard you can find a box with your personal license key.



Copy the license-key (User; Organization; Check) and open the folder in which you installed vectorcam. There you will find a file named license.ini. If the file is not available, please contact us.

Open the license.ini and paste the license key. Save this file. It's important that the file license.ini is stored in the same folder as the vector.exe.

Licensefile license.ini

The license file is part of the vectorcam installation. This file is stored in the same folder in which you have installed vectorcam.

Usually you can find the file in one of the following folders:

C:/Programme/vectorcam oder

C:/Programme(x86)/vectorcam

The file contains:

```
[License]
```

```
User=
```

```
Organization=
```

```
Check1=
```

```
Check2=
```

Make sure that you copy those lines very precisely. Therefore, the first line of the file has to contain [License]. Line 2 and 3 include User and Organization. Normally this contains your companies name as well as the location of the license. The check-lines contains different encryptions and options.

Example

```
[License]
```

```
User=Max Mustermann GmbH
```

```
Organization=12345 Musterort
```

```
Check1=qf3SC6UBP8R6D95cX5tOkV7v#2vQuvtjJJtLaFANfll6@nZKO
```

```
Check2=gjkw29rjhn12FKJEW923kvbj45rg51+4wadb#sWSDFGff54786
```

If the file license.ini is not available or contains wrong data, the software cannot work and won't start.

Please note:

Please ensure correct spelling! One wrong letter can lead to an error and vectorcam won't start. For this reason, please do not correct any mistakes in your company name whatsoever. If you need to change your companies name or the address please contact us. We will then send you your updated license file.

Update installation

Make sure to perform backups before you install a new vectorcam version.

Now you can deinstall vectorcam via system control. Afterwards you can install the new vectorcam version by double clicking the file. Follow the instructions in the dialogues.

Starting from version 14.0.043 all your files will be preserved after a deinstallation. Only program files will be deleted, post processors, libraries, vectorcam settings and your license file license.ini will be preserved.

This ensures that the user will be able to access all files and settings which were made before the update.

For security reasons we suggest to perform backups on a regular basis.

Please ensure to definitely backup the following files:

vectorcam-main folder

vector.ini	Your individual settings
license.ini	Your license data

vectorcam-subfolder:

ccd	vectorcam files (*.ccd)
cfg	post processor files (*.cfg)
ttd	tool library (*.ttd)
cdo	complex drill operations (*.cdo)
cct	templates (*.cct)
msk	individual dialogue boxes (*.msk)
profile	individual macros, cycles, thread table, drill table etc. (*.csv)
technology	Data for Feeds and spindle speed (*.csv)
sym	Symboltable (*.sym)
vcd	saved jobs (*.vcd)
xsimconfig	machine data, machine simulation

ANNEXE

Integrated calculator

vectorcam has an integrated calculator. If you have to add a numerical value in the dialogue box, you also can enter your calculation in said box. The result will be displayed, if you click into another input field.

You can choose between the following calculating functions:

Command	Value
()	Brackets
+	Add
-	Subtract
*	Multiplication
/	Divide
**	Squaring
SQRT(xxx)	Square root
PI	3.1415926536...
ABS(xxx)	Absolute value
SIN(β)	Sine in [°]
COS(β)	Cosine in [°]
TAN(β)	Tangent in [°]
RSIN(μ)	Sine in Radian
RCOS(μ)	Cosine in Radian
RTAN(μ)	Tangent in Radian
ASIN(β)	Arcsine in [°]
ACOS(β)	Arccosine in [°]
ATAN(β)	Arctangent in [°]
RASIN(μ)	Arcsine in radian
RACOS(μ)	Arccosine in radian
RATAN(μ)	Arctangent in radian

Angle specifications „ β “ are indicated in degree [°] and μ is indicated in radian.

Special characters in texts and dimensioning

In the input dialogues for texts different symbols/characters can be created. Those special characters can be used in dimensioning attributes aswell as in the text definition. E.g. if you want to use the copyright-symbol just type @c into the input field and it will automatically turn into „©“.

The following special characters are available:

@c	Copyright - symbol ©
@E	Euro-sign €
@b	Square
@o	Diameter
@Z	Line above text
@z	turns off line above additional text
@Y	Line underneath text
@y	turns off line underneath additional text
@{	bracket - symbol {
@}	bracket - symbol }
@@	@ - symbol
@+	Plus/Minus
@-	Minus/Plus
@s	decrease text height by 2/3
@l	multiply text height by 3/2
@u	Superscript
@d	Subscript
@r	Restore position and size as it was before using @u, @d, @s or @l
@t	Followed by a number from 1 to 9, results in a quantity of blanks

Shortcut key

Key(s)	Meaning
Ctrl+N	File: New
Ctrl+O	File: Open
Ctrl+S	File: Save
Ctrl+P	File: Print
Ctrl+Z	Edit: Undo
F4	Edit: Repeat
Ctrl+X	Edit: Cut
Ctrl+C	Edit: Copy
Ctrl+V	Edit: Paste
Del	Edit: Delete
Shift+A	Edit: Select
Ctrl+A	Edit: Select arcs
Shift+S	Edit: Pick Surface
T	Trim+extend: Chain
A	Modify: Attributes
Ctrl+G	Modify: Make object
Ctrl+H	Modify: Smash object
F7	Modify: Modify mode
Shift+P	Point: Coordinates
L	Line: Aligned
C	Arc: Coordinates
F	Arc: Fillet
Q	Dimension: Attributes
Shift+T	Text: Text
P	Axis: Snap to
R	Axis: Reset
Shift+R	Axis: Reset no move
X	Axis: Align X
W	View: Zoom
V	View: View all
Ctrl+R	View: Repaint
D	View: Rotate dynamic

F12	View: Render
O	View: Orient
G	NC: Generate NC (optional)
F3	Special: Close
F2	Special: Unselect all
Shift+1	Special: Unselect last element
F5	Special: Reverse last entity
F6	Special: Reverse last contour
F9	Special: Reverse all
Ctrl+1	Special: Select next element on chain
Ctrl+W	Special: Select chain
	Select a chain from the last selected contour element; the routine stops if multiple contours are possible (e.g. T-joint).
Shift+W	Special: Select chain
	Select a chain from the last selected contour element, guessing the contour at an intersection of multiple curves (e.g. T-joint).
Ctrl+T	Window: Tile - vertically
Ctrl+F4	Close the active window
Ctrl+F6	Make the next window active
Shift+Ctrl+F6	Make the previous window active
Ctrl+Tab	Switch to the previous active window
F1	Help: Topic
Shift+F1	Help: What is
ESC	Quit current function

Troubleshooting

Description	Solution
vectorcam doesn't start	<p>Check if the USB-Dongle is plugged in correctly.</p> <p>Check if your license data was inserted correctly into the file license.ini</p>
MSVCP120.dll is not available	<p>Install Microsoft Runtime-Module by VisualStudio: 32-Bit-Windows vcredist_x86.exe 64-Bit-Windows vcredist_x64.exe</p> <p>You can download this program from the Microsoft website.</p>
DLL has wrong version	<p>This error appears if there is another vectorcam version present at your computer. Close vector cam and start your windows explorer. Choose the folder in which vectorcam is installed. Usually it's one of the following folders:</p> <p>C:/Programme(x86)/vectorcam or C:/Programme/vectorcam</p> <p>Right click on the program vregister.exe, choose option „Run as administrator“. Close the application immediatly.</p> <p>Now the message shouldn't appear anymore.</p>

For further assistance please contact our Service Team.

Contact

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