VITA FiringAssist i-Line

Program for processing VITA V60 i-Line® firing programs on the PC

Operating manual

VITA shade determination | VITA shade communication | VITA shade reproduction | VITA shade control

Issued 12.16

VITA shade, VITA made.

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1 Installation of the VITA FiringAssist i-Line

Minimum PC requirements to run the VITA FiringAssist i-Line:

- Windows XP or newer
- Random access memory: 128 MByte
- Free hard disk space: 100 MByte
- Screen resolution: 1024 x 768 pixels

To install the VITA FiringAssist i-Line, carry out the following steps:

- Install the file **VITA_FiringAssist_i_Line_installer_1_0_0.exe** on the PC.
  Administrator rights may be necessary for the installation.

- Indicate the installation path during the installation (e.g., *C:\Programme\v60tool*).

After the program is successfully installed, there will be a new menu item with the name *VITA FiringAssist i-Line* in the Start menu. In the *VITA FiringAssist i-Line program*, these instructions and an uninstallation routine can be called up there.

2 Important information

If a program list is transferred to a VITA V60 i-Line, the entire firing program list already present in the VITA V60 i-Line will be overwritten.
To avoid an unwanted overwrite of the existing program list in a VITA V60 i-Line, a backup copy of the VITA V60 i-Line firing program list must always be exported with an empty, prepared USB flash drive.

3 Functions of the VITA FiringAssist i-Line

The VITA FiringAssist i-Line program window can be seen in Fig. 1.

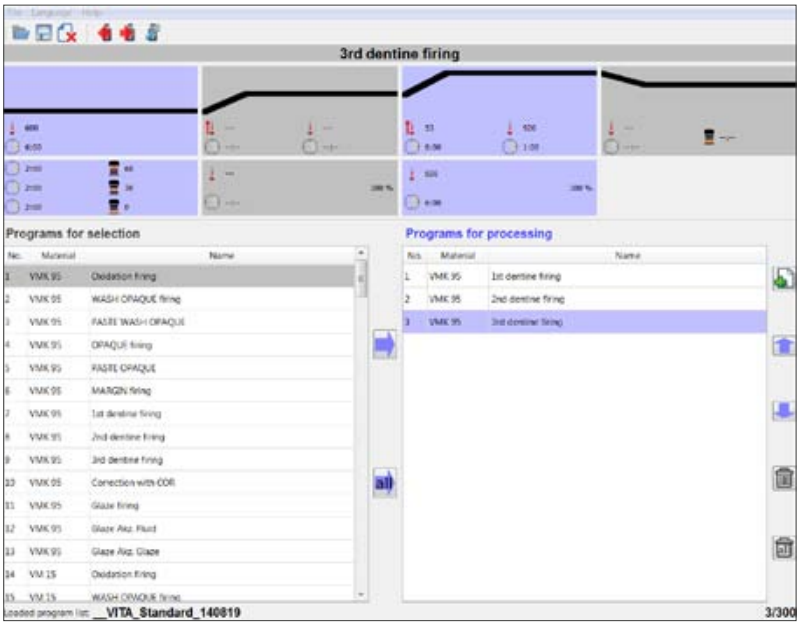


Fig. 1: VITA FiringAssist i-Line program window

3.1 Menu bars

The menu bars are located at the very top in the program window.

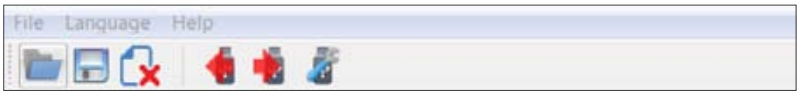


Fig. 2: Menu bars

File	Contains the functions: – Open, Save, Delete (of program lists) – Import V60, Export V60, Prepare V60 (transfer program list to and from a USB flash drive) – Import PC, Export PC (transfer program list to and from the PC) – Import Vacumat (Import VITA Vacumat 6000 M/MP programs) – End
Language	Language selection German, English, French, Italian, Spanish, Portuguese, Chinese
Help	Contains: – VITA FiringAssist i-Line Short Operating Manual – VITA FiringAssist i-Line Operating Manual – Info (program version, creator)
Symbol (Open)	Open and display a saved program list in the left-hand table
Symbol (Save)	Save the program list found in the right-hand table
Symbol (Delete)	Delete a saved program list
Symbol (Prepare)	Prepare USB flash drive for accepting a program list from a VITA V60 i-Line
Symbol (Import)	Import program list from USB flash drive into VITA FiringAssist i-Line
Symbol (Export)	Export program list from VITA FiringAssist i-Line to USB flash drive

3.2 Functions of the left-hand and right-hand tables

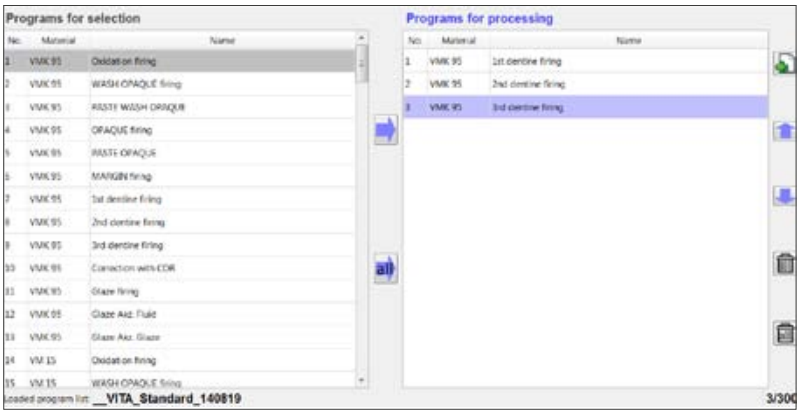


Fig. 3: Left-hand and right-hand table

In the lower area of the program window are two tables with different functions and possibilities for action:

Table 1: Left-hand and right-hand table with function options

Left-hand table	**Right-hand table**
Simple display of the opened program list	Processing of the opened program list
Program list cannot be processed	Programs of the program list can be processed, saved and are exportable
Single or all programs of the opened program list can be moved to the right	Programs can **not** be moved to the left

Table 2: **Left-hand table** – Action possibilities

Action	**Reaction**
Single click on a program	Program firing parameters are shown in the firing curve above.
Double click on a program	Program is copied into the right-hand table.
Single click on a program **or** selection of several programs (with mouse button pressed) + Click the symbol	Selected programs are copied into the right-hand table under the existing programs. If a program has been clicked on in the right-hand table, the programs are copied under this program.
Click the symbol	All programs are copied into the right-hand table.

Table 3: **Right-hand table** – Action possibilities

Action	**Reaction**
Single click on a program	Program is selected. Firing parameters of this program can be processed in the firing curve. See 3.3 "Processing program values"
Double click on a program	Program name can be changed in the new window.
Click the symbol (New Program)	New program is created. See 3.4 "Create new program"
Single click on a program **or** selection of several programs (with mouse button pressed) + Click the symbol or	One or more programs are moved up or down in the program list. Continuous pressing leads to a continuous movement.
Single click on a program **or** selection of several programs (with mouse button pressed) + Click the symbol (Delete individually)	One or more programs are deleted from the program list.
Click the symbol (Delete all)	All programs are removed from the right-hand table.

3.3 Processing of program values

The upper area of the program window shows a firing curve image like the one present in the VITA V60 i-Line.
Here, the firing program values of a program can be changed in the right-hand table.

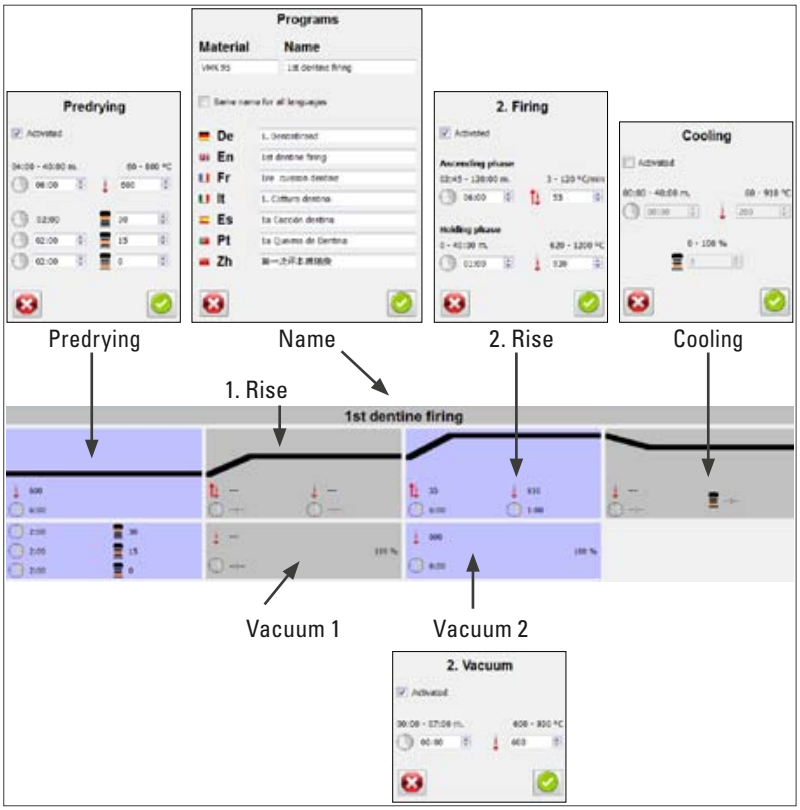


Fig. 4: Firing curve image – Firing program values processing window

– Click once on the program to be changed in the right-hand table.

The clickable firing curve fields are:
Pre-drying, 1st Rise, Vacuum1, 2nd Rise, Vacuum2, Cooling and Name

– Click on the firing curve field in which the value to be changed is located.
– Change firing parameters and/or activate and deactivate the respective firing curve field.
  By double clicking on an entry field, the current value is marked and overwritten by a new entry. For time entries, double click on the minutes field and enter minutes and seconds one after the other. For example: 05:30.

To be able to easily change to the next entry field, press the "Tab" button all the way to the left on the keypad.
This changes the entry field to the adjacent one and the values located there are automatically highlighted.

3.4 Creating a new program

The creation of a new firing program is possible in the right-hand table.

– Mark the program in the right-hand table under which the new program is to be placed. Otherwise, the new program is placed below the last program in the program list.

– Click on the symbol (New Program).
– Enter a material and program name in the name window and confirm.

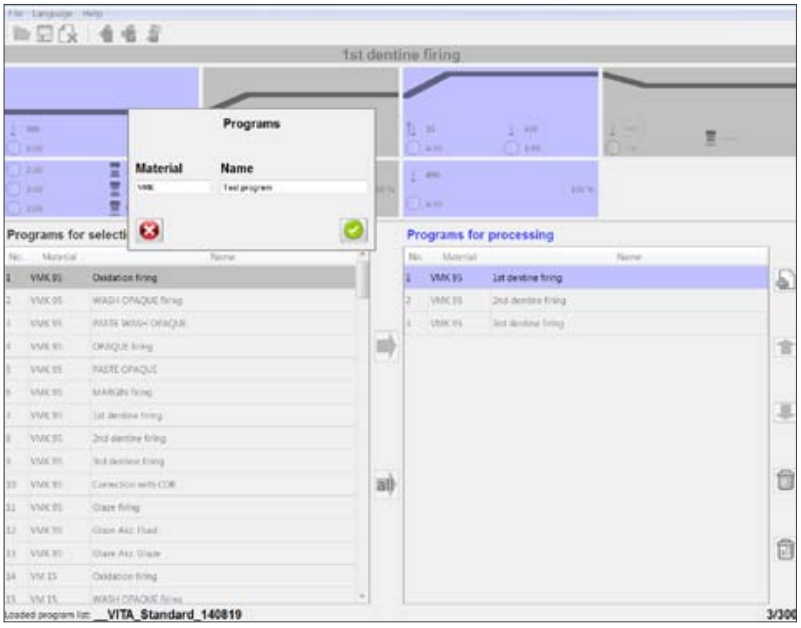


Fig. 5: Input window for naming a new program

A new (empty) program is added to the right-hand table.

– Move the program position up or down, if necessary, with and . Continuous pressing leads to a continuous movement.
– Change the firing program values as described under 3.3 "Processing of program values."

3.5 Save a program list

The firing program list in the right-hand table can be saved.

– Click on the symbol (Save).
  Alternatively, you can select Save under *File* → *Save*.
– Enter the new name of the program list in the name window and confirm.

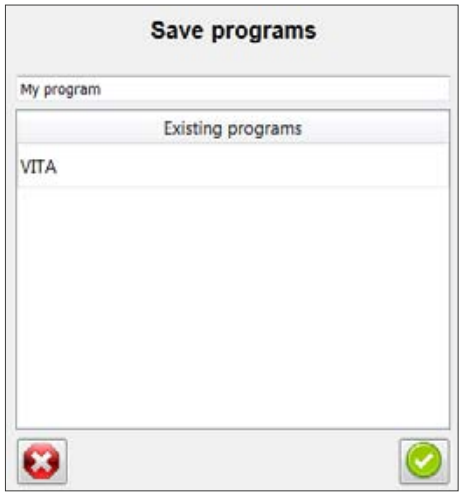


Fig. 6: Save a program list

A preceding underscore cannot be used for your own program lists.
This is reserved for pre-installed program lists.

3.6 Opening a saved program list

To open a saved program list:

– Click on the symbol (Open).
  Alternatively, you can select Open under *File* → *Open*.
– Click in the window with the program list overview ("Load program") on the desired program list, and confirm (or double click on the program list).

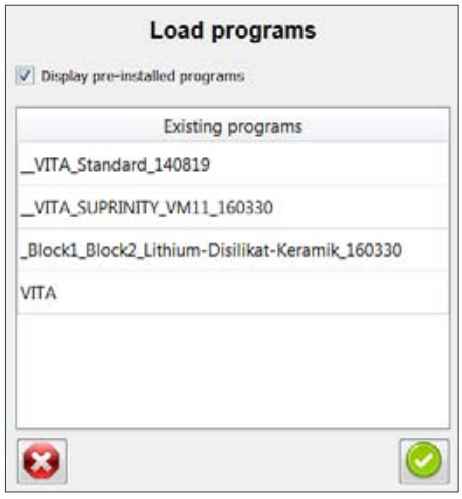


Fig. 7: Opening a program list.

The opened program list appears in the left-hand table.
Program lists with a preceding underscore are pre-installed in the factory.
This can be faded in and out as needed.

3.7 Deleting a saved program list

To delete a saved program list, do the following:

– Click on the symbol (Delete).
  Alternatively, you can select Delete under *File* → *Delete*.
– Click in the window with the program list overview ("Delete programs") on the desired program list and confirm (or double click on the program list).

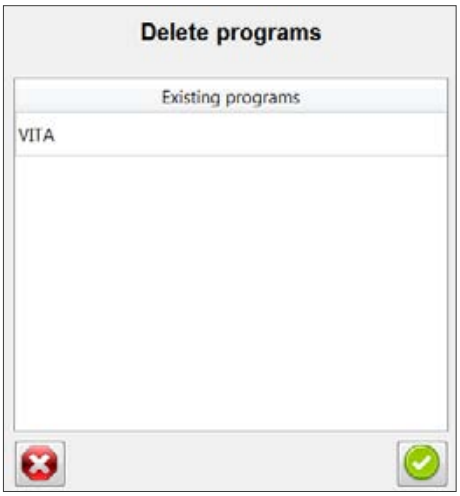


Fig. 8: Deleting a program list

When the program list overview is opened again using the symbols (Open) or (Delete), the deleted program list is no longer available.

Program lists with a preceding underscore (VITA = long, other = short) are pre-installed in the factory. These cannot be deleted.

4 Transfering a program list from VITA V60 i-Line to VITA FiringAssist i-Line

To be able to import the program list saved in the VITA V60 i-Line into the VITA FiringAssist i-Line, a USB flash drive must first be prepared. Then the program list can be exported from the VITA V60 i-Line and imported into the VITA FiringAssist i-Line.

4.1 Preparation of the USB flash drive

– Insert a completely empty USB flash drive into the PC.
– Open the VITA FiringAssist i-Line.
– Click on the symbol (Prepare) in the upper area of the program.
  Alternatively, you can select Prepare under *File* → *Prepare V60*.

Tip: If you want to export the program list from a VITA V60 i-Line and do not have the VITA FiringAssist i-Line readily available, you can install an empty folder with the name "programs" on the USB flash drive. This corresponds to the preparation on the VITA FiringAssist i-Line.

After that, all existing drives (= USB flash drive) are displayed in a new window. In the example shown below (Fig. 9), drive "N:", for example, has the name "KING."

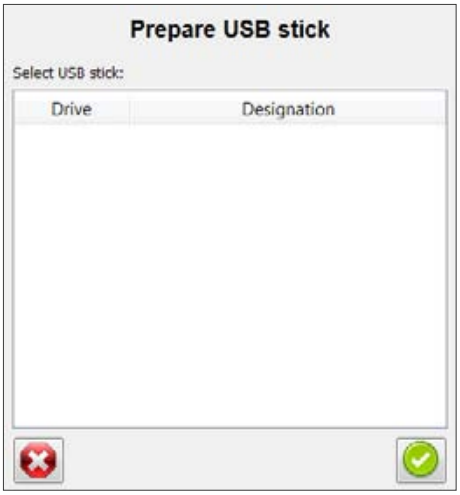


Fig. 9: Selecting the drive (= USB flash drive)

– Select the drive (= USB flash drive) in the new window where your USB flash drive is saved and confirm
  (or double click on the drive).

A window appears with the information "Preparation successful! The USB flash drive can be ejected and then removed."
The USB flash drive is now ready to use.

4.2 Exporting a program list from the VITA V60 i-Line

– Insert the prepared USB flash drive into the switched off VITA V60 i-Line.
– Turn the VITA V60 i-Line on at the main switch.
  After switching on the VITA V60 i-Line, the entire program list of the VITA V60 i-Line is exported to the USB flash drive.
– Wait until the VITA V60 i-Line is ready for operation.
– Then remove the USB flash drive again.

A copy of the program list ("programs.vup") is now located on the USB flash drive in the "programs" folder.

4.3 Importing a program list into VITA FiringAssist i-Line

– Insert the USB flash drive into the PC again.
– In the VITA FiringAssist i-Line, click on the symbol (Import).
  Alternatively, you can select Import under *File* → *Import V60*.
– In the new "Import program" window, select the drive (= USB flash drive) and confirm (or double click on the drive).

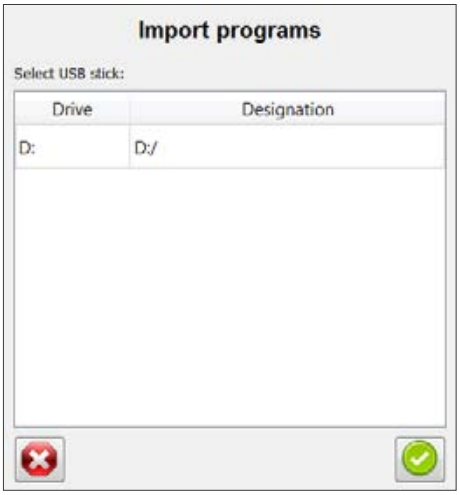


Fig. 10: Selecting the drive (= USB flash drive)

Now the imported program list is displayed in the left-hand table of the program window (Fig. 11).

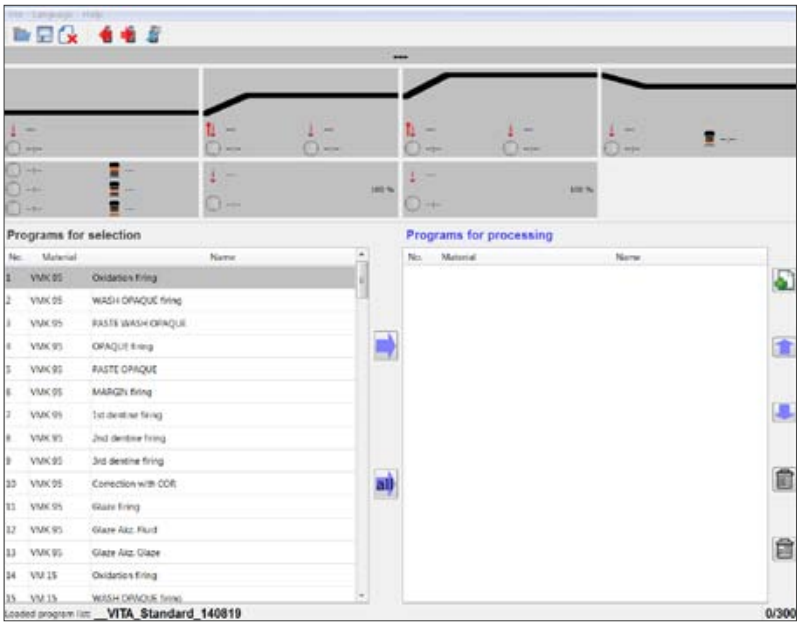


Fig. 11: Imported program list in left-hand table

Save a backup copy of the program list in the VITA FiringAssist i-Line. See 3.5 "Saving a program list."

4.4 Preparing a USB flash drive for further use

– To prevent any future **unwanted** overwrite of a program list in a VITA V60 i-Line, delete this program list from the USB flash drive after the successful transfer of the program list into the VITA FiringAssist i-Line.

– Insert the USB flash drive into the PC.
– Open the VITA FiringAssist i-Line.
– Click on the symbol (Prepare) in the upper area of the program.

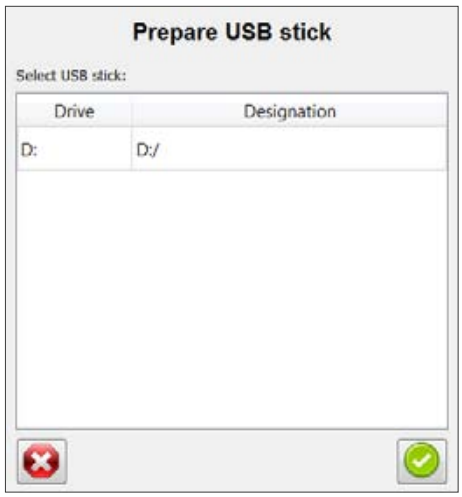


Fig. 12: Selecting the drive (= USB flash drive)

– In the new window, select the drive (= USB flash drive) and confirm (or double click on the drive).

The following query appears: "Delete existing file?"

– Confirm the deletion of the file.

A window opens with the information "Preparation successful! The USB flash drive can now be ejected and then removed." Now the USB flash drive is empty again and prepared for the next use.

5 Transfering a new program list in VITA V60 i-Line

The expanded program list in the right-hand table can be exported to the USB flash drive and imported into the VITA V60 i-Line.

5.1 Exporting a program list to USB flash drive

– Click on the symbol (Export).
  Alternatively, you can select Export under *File* → *Export* V60.

After that, all existing drives (= USB flash drives) are displayed in a new "Export programs" window.
In the example illustrated below (Fig. 13), for example, the drive "N:" has the name "KING."

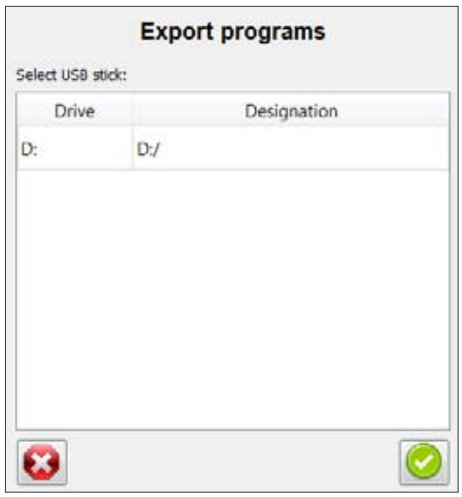


Fig. 13: Selecting the drive (= USB flash drive)

– Select the drive (= USB flash drive) and confirm the selection (or double click on the drive).

A message confirming the successful export of the program list appears: "Export successful! The USB flash drive can now be ejected and then removed." If the message "Overwrite existing file?" appears, the file must be overwritten in order to be able to transfer the new program list to the USB flash drive.

5.2 Importing a program list to VITA V60 i-Line

– Insert the USB flash drive containing the new program list into the switched off VITA V60 iLine.
– Turn the VITA V60 i-Line on at the main switch.

After switching the VITA V60 i-Line on, the entire, new program list is imported from the USB flash drive to the VITA V60 i-Line.

⚠ The program list pre-installed in the VITA V60 i-Line will be overwritten!

– Wait until the VITA V60 i-Line is ready for operation.
– Remove the USB flash drive again from the VITA V60 i-Line.

5.3 Preparing the USB flash drive for further use

To prevent any future **unwanted** overwrite of a program list in a VITA V60 i-Line, delete this program list from the USB flash drive after the successful transfer of the new program list.

– Insert the USB flash drive into the PC.
– Open the VITA FiringAssist i-Line.
– Click on the symbol (Prepare) in the upper area of the program.

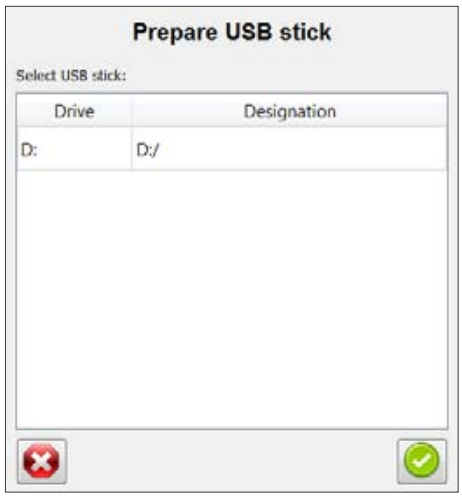


Fig. 14: Selection of the drive (= USB flash drive)

– In the new window, select the drive (= USB flash drive) and confirm (or double click on the drive).

The following query appears "Delete existing file?"

– Confirm the deletion of the file.

A window appears with the information "Preparation successful! The USB flash drive can now be ejected and then removed." Now the USB flash drive is empty again and prepared.

6 Transfering a new program list to the PC

The program lists contained in the VITA FiringAssist i-Line can be saved on the PC in order to be able to send them by email, for instance.

6.1 Exporting a program list from VITA FiringAssist i-Line to PC

– Create a folder on the desktop with the name of the program list to be exported.
– Select PC under *File* → *Export*.

A new "Find Directory" window appears.

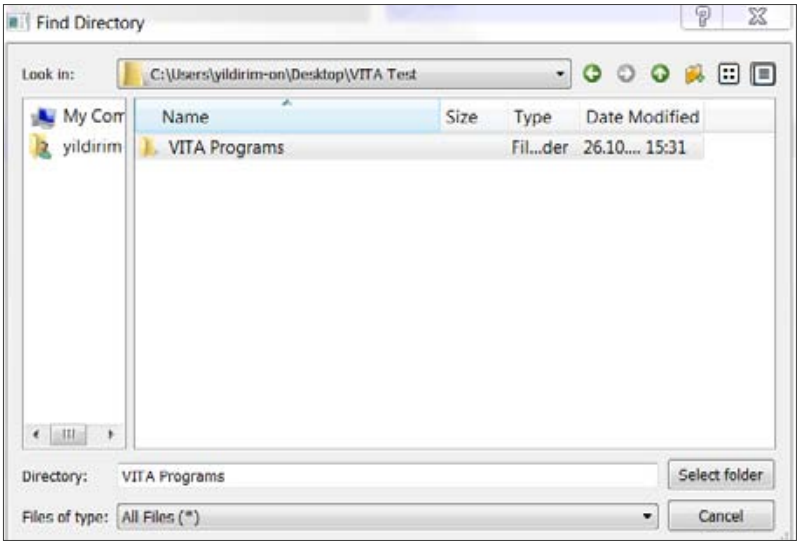


Fig. 15: "Find Directory" window

– Search for your saved folder in the list and click on it.

The folder name appears in the "Directory" input field.

– Click on "Select folder" to the bottom right.

The program list is saved in the selected folder.

6.2 Import program list from PC to VITA FiringAssist i-Line

– Select PC under *File* → *Import.*

A new "Open" window appears.

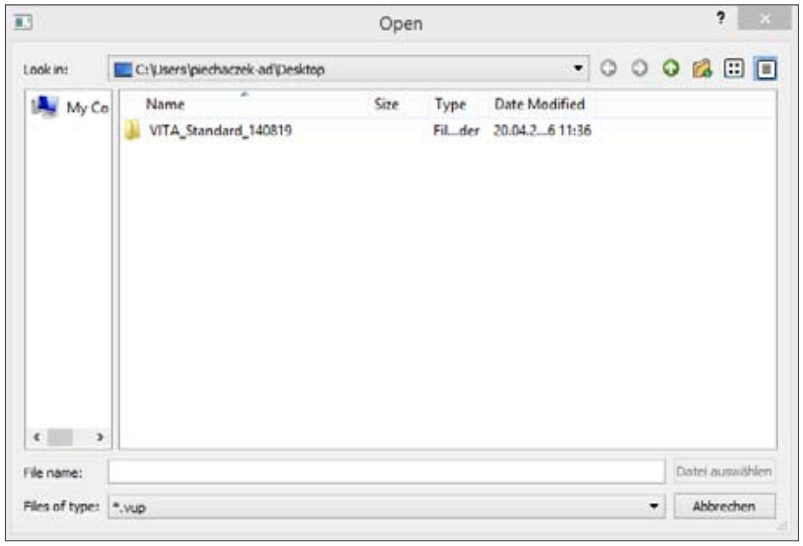


Fig. 16: "Open" window

– Search for your saved folder in the list and click on it with double click.
– Click on the program file that appears

The name of the program file appears in the "File name" input field.

– Click on "Select file" below right.

The program list is displayed in the left-hand table in the VITA FiringAssist i-Line.

7 Transfering programs from VITA Vacumat 6000 M/MP to VITA FiringAssist i-Line

The VITA FiringAssist i-Line offers the possibility of transferring VITA Vacumat 6000 M/MP programs from the VITA vPad to the VITA FiringAssist i-Line and converting them into VITA V60 i-Line programs.

– Insert an empty USB flash drive into the VITA vPad and export the desired profile to an empty USB flash drive.
  See VITA vPad Operating Manual.

If you would only like to transfer one material or program, you can copy this individually from the profile in the VITA FiringAssist i-Line.

– Insert the USB flash drive with the data into the PC.
– Open the VITA FiringAssist i-Line.
– In the menu bar, select Vacumat under *File* → *Import.*

After that, all existing drives (= USB flash drives) are displayed in a new window.
In the example illustrated below (Fig. 17), for instance, the drive "N:" has the name "KING."

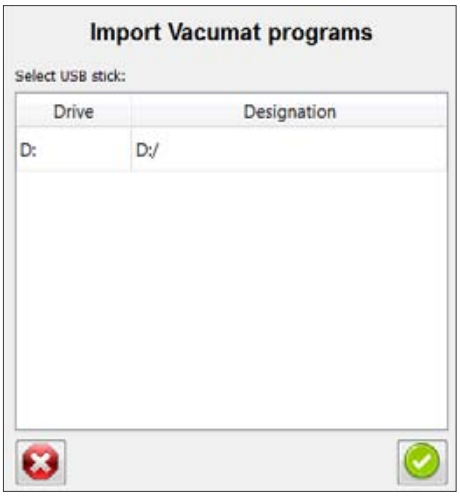


Fig. 17: Selection of the drive (= USB flash drive)

– Select the drive (= USB flash drive) in the new window on which your USB flash drive is saved and confirm (or double click on the drive).

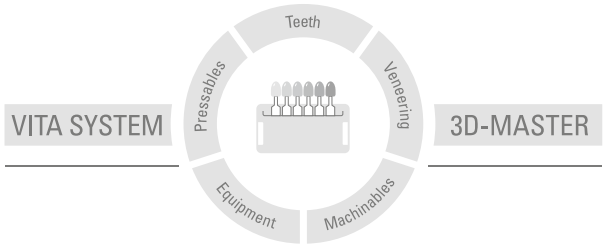
A list of all profiles that can be transferred to the VITA FiringAssist i-Line appears.

Fig. 18: Select the profile from the VITA Vacumat 6000 M / MP.

– In the new window, click ("Import Vacumat programs") on the desired profile and confirm (or double click on the program list).

The selection of a profile leads to the import of all firing programs and materials that are contained in it. Sintering and pressing programs are not imported.

With the unique VITA SYSTEM 3D-MASTER, all natural tooth shades can be systematically determined and perfectly reproduced.



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Date of issue of this product information: 12/16

On publication of these instructions for use, previous versions will no longer be valid. The current version can be found under www.vita-zahnfabrik.com

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