BERNINA®

BERNINA CPS Software

Version 4.1 for
artista and virtuosa



BERNINA®

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BERNINA CPS Software Software

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1. Preface

*This instruction manual introduces you step by step to the individual functions of the **BERNINA CPS Software**. It is designed to provide tips and tricks for your work with embroidery and stitch patterns and to help translate your creative ideas into reality.*

*We hope you will enjoy working with the **BERNINA CPS Software** and that this manual will prove to be a useful tool for successful sewing.*

***Note:** Below, please find an overview of the methods of notation/illustration used.*

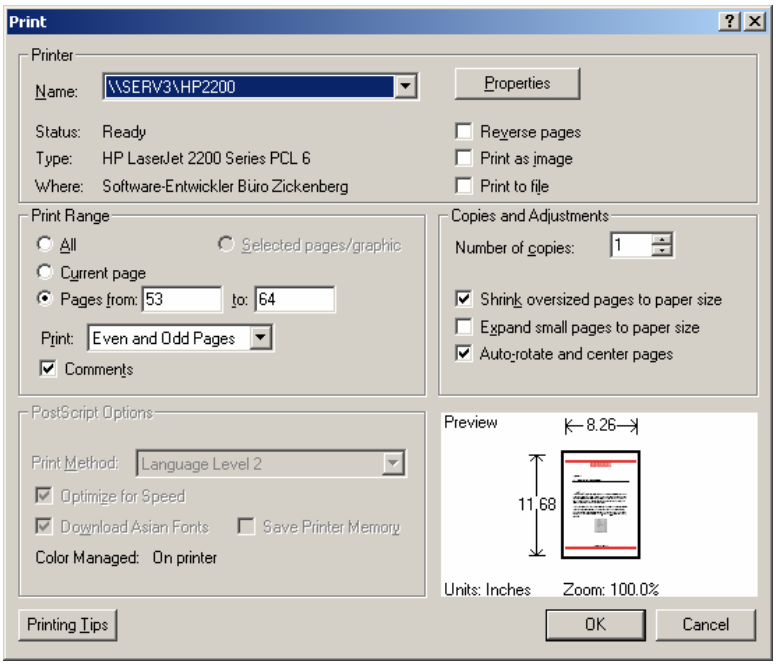
'Menu > Menu command'	*Menus and menu commands are formatted in bold and highlighted with simple quotation marks. The > sign shows the order (here: first click the menu, then select the menu command).*
'c:\Program Files\Bernina'	*This is how a path is written.*
<OK>	*Buttons in a dialog box are marked with pointed brackets < >.*
Chap. 6.2	*By clicking a hyperlink in the PDF, the view moves to the corresponding page.*

In general, product names and other highlighted elements are formatted in **bold**.

*You can print individual pages or the whole document by selecting the corresponding pages in the **'File > Print'** menu in the dialog box shown below. Please observe the following: Acrobat Reader counts the title page of your document as page one, i.e. page one of your text is the second page of your document.*

*So if you want to print the appendix from page 45 to the end, for example, you have to enter pages 46 to 56 in the options box **Pages from: ...to: ...***

*Select your printer in the popup window next to **Name** and make sure that **Portrait orientation** is selected in the **Properties dialog box** which opens when you click the Properties button. Start printing by clicking **<OK>**.*



***Note:** If you experience printing problems like overlapping text or missing fonts then click on the **'Print as image'** option in the right half of the print dialog box.*

2. Before installation

*Before installing the **BERNINA CPS Software** on your computer, we recommend reading this chapter!*

*Your **BERNINA CPS Software** package contains a CDROM and a connection cable.*

On the CDROM there is

- *the installation software,*
- *these operating instructions as PDF file with*
- *a brief overview in appendix C and*
- *a color comparison table for comparing threads from different manufacturers.*

2.1 System requirements

*To successfully install the **BERNINA CPS Software** on your computer, you require the following hard and software:*

PC hardware:

- *PC: IBM compatible 486 PC or higher*
- *System memory: 16 MB, 32 MB recommended*
- *Free harddisk space: at least 80 MB*
- *CDROM drive*
- *Free communication port: 1 x serial*
- *Printer (optional, for printing the patterns)*

PC software:

- *Microsoft® Windows 95 / 98 / NT / ME / 2000 / XP*
- *BERNINA CPS Software*
- *Adobe® Acrobat Reader (included)*

Optional devices:

- *Sewing machine*
  ***BERNINA virtuosa**, all models*

- *Sewing machine*
  ***BERNINA artista 165** to **artista 185** with Firmware version 2.08 or higher*

- *Embroidery Module with Firmware version 2.08 or higher*

- *Embroidery Card Reader/Writer*

Basic knowledge:

In these operating instructions, it is assumed that you have basic knowledge of MS Windows and that you know how to use the mouse. Furthermore, you should know the standard Windows menus and commands.

For information on Windows, refer to your Windows user manual.

In addition, you need basic knowledge of how to use your sewing machine and/or Embroidery Module, before starting to sew patterns. The relevant operating instructions give you the necessary information. When using an Embroidery Module, please ensure that the connection to the sewing machine is made correctly and as described in the operating instructions of the Embroidery Module.

3. Software installation

The ***BERNINA CPS Software*** *runs on a computer with Microsoft® Windows . For troublefree installation of the program, please carry out the following steps.*

1. *Start Microsoft® Windows on your computer.*

2. *Insert the installation CDROM into the CDROM drive.*

3. *If your CDROM drive is set to* ***'Auto insert notification'*** *(standard setting), the program* ***starts automatically*** *until you are asked to acknowledge starting installation (see item 5).*

4. *If the program does* ***not*** *begin* ***automatically****, click the* ***'Run'*** *command in the* ***'Start menu'*** *. A dialog box appears. Click* ***'Browse'****. In the* ***'Search in'*** *box select the CDROM drive (usually d:). In the detailed list you will find all executable files from the CDROM.* ***Select*** *(mark) the file* ***Setup*** *(without displaying file extensions) and/or* ***Setup.exe*** *file and click* ***'Open'****.*

5. *The dialog box Run appears again, click* ***<OK>****.*

6. *The installation program now starts the installation.*

7. *The **BERNINA CPS Software** is only available in English, the enclosed Online manual, however, is available in three languages (English, French and German). For this reason, first select the language of your choice.*

8. *The installation program then prompts you to install the **BERNINA CPS Software** in the directory **'C:\Program Files\Bernina CPS V4.1'***

*If you want to create another directory, you can change it by clicking on **'Browse'**. The installation program automatically creates a new directory.*

*If you click **<OK>**, the installation program starts to copy the files to the harddisk.*

If installation was successful, a message to this effect appears on the screen.

*During installation, a **Bernina** program group appears in the Windows Start menu under Programs. Here the link to the **BERNINA CPS Software** are stored. If you have already installed the hardware and tested the connection, you can now begin to work with the **BERNINA CPS Software** (see Chap. 6). If this is not the case, please continue reading.*

4. Hardware installation

To install the hardware, just connect your sewing machine (or the optional Embroidery Card Reader/Writer) to the PC using the connecting cable. An optional Embroidery Module is connected to the sewing machine and thus does not require its own cable connection to the PC.

Make sure all appliances are switched off. Connect the sewing machine (or the Embroidery Card Reader/Writer) to your computer, using the connecting cable included. In order to do this, plug one end of the serial cable into the socket of the sewing machine (or the Embroidery Card Reader/Writer) and the other cable end into a free serial port on your computer. Most of the computers have two ports for connection. They are normally on the rear of the PC. For further information, refer to your computer manual.

The serial connecting cable supplied is part of the standard computer accessories. Do not under any circumstances use any other cable types.

Safety instructions: *Turn off your computer and the corresponding appliance before you connect the serial connecting cable.*

Attention! *Do not use force when plugging in connectors.*

If a connector cannot be plugged in easily, you are probably trying with the wrong end of the connecting cable or the connector is jammed.

If the software is already installed and the sewing machine (or the Embroidery Card Reader/Writer) is connected to your PC, you can now start to test the complete installation. For more information on this procedure, please read the following chapter.

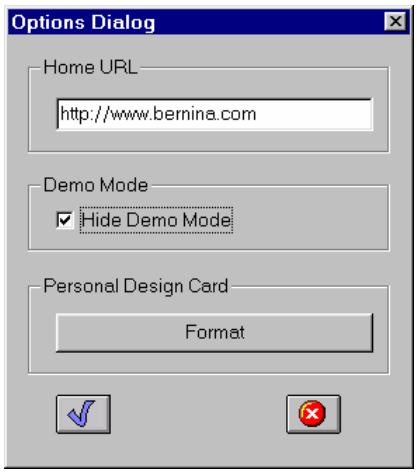
5. Installation test

5.1 Demo Mode

*Even if no external appliances are connected to the PC, all functions of the **BERNINA CPS Software** can be tested and the stitch and embroidery patterns can be displayed and printed.*

*The Demo Mode can simulate all procedures and is activated by selecting the **'Help > Demomode'** menu command. If the Demo Mode is already activated, the word is marked with a tick and the title **DEMO** appears in the main window.*

***Note:** This information displayed in the main window can be hidden when activating the option **'Hide Demo Mode'** in the **'View > Options'** menu. In order to do this, click the empty box. A tick then appears. Acknowledge with*  *.*



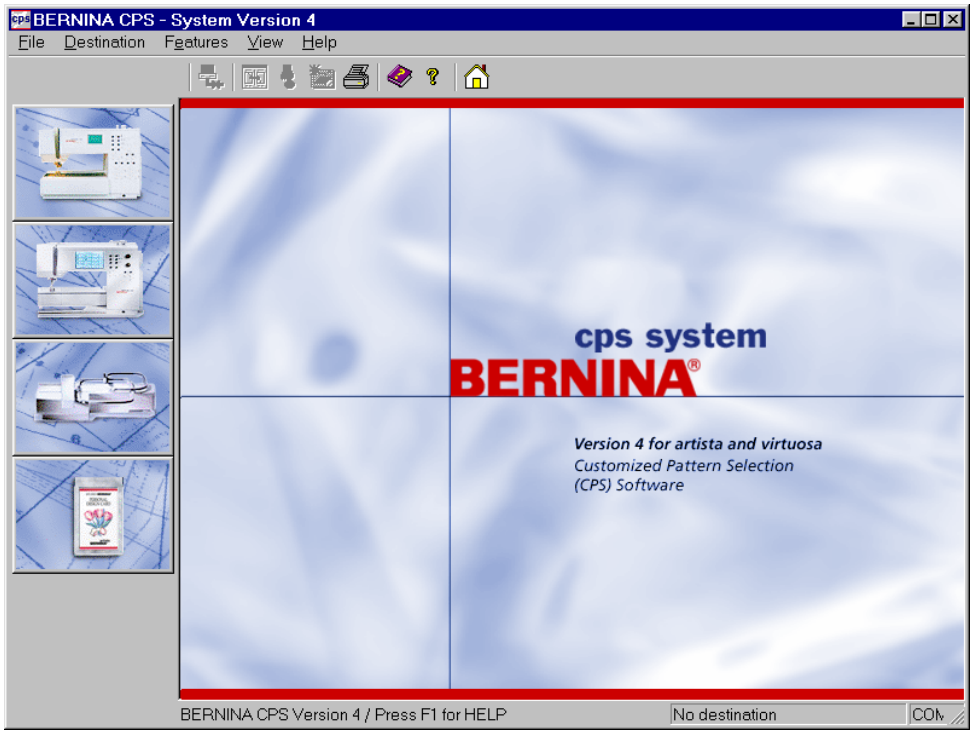
5.2 Testing the connection

1. *Start Microsoft® Windows on your computer.*

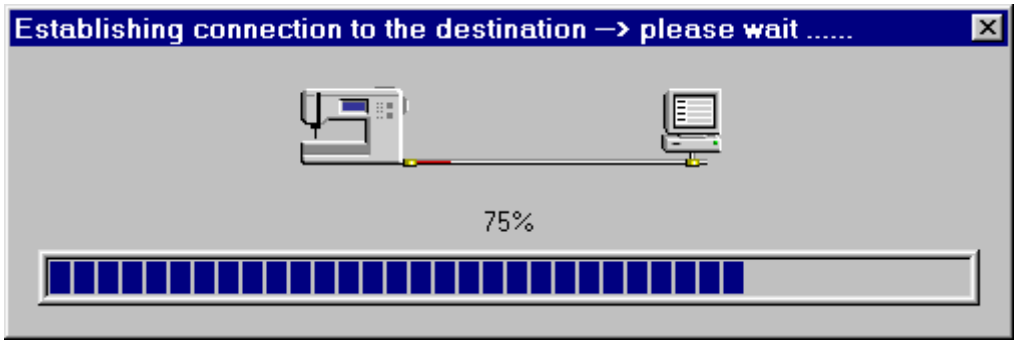
2. *Start your sewing machine **BERNINA artista 165/ 170 / 180 / 185, BERNINA virtuosa** (or the Embroidery Card Reader/Writer) and start the **BERNINA CPS program** on your PC.*

*You will find the **BERNINA** program folder in the Start menu under the **'Programs'** menu command.*

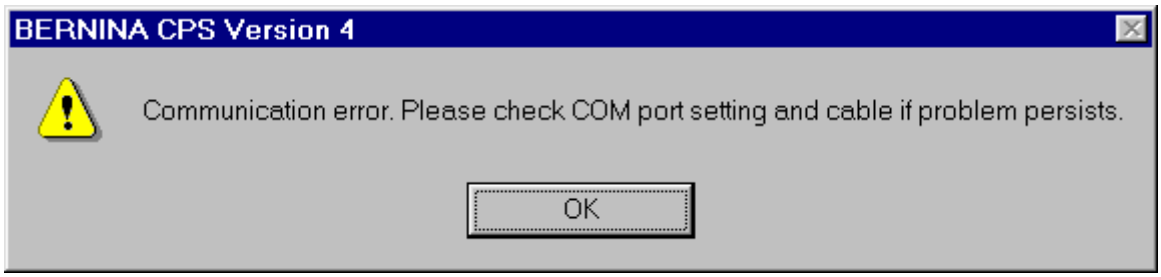
The CPS main window appears.



3. *Now click one of the four illustrations (vertical bar) that matches your connected appliance. A window opens and shows the progress of the connection being established to the destination.*



4. *If the following error message appears, the connection is faulty.*



Make sure the sewing machine is switched on. Then check that both connectors of the connecting cable are plugged in correctly and that the correct communication port within the ***BERNINA CPS Software*** *is set (refer to the next chapter, Changing the communication port).*

5.3 Changing the communication port

The ***communication ports*** *on your computer can be set by selecting the 'Com Port' menu command from the* ***'Destination'*** *menu in the* ***BERNINA CPS Software****.*

The window shows the port selected. Change the port by clicking another port (COM 1-4) and selecting  *. You have now changed the port. Test the port again as described before (**Chap. 5.2**).*

If you still cannot establish a connection, please use the Windows help for setting up a COM port within the Windows system.

6. Operating the BERNINA CPS Software

In this chapter, you will be introduced to the functions of the ***BERNINA CPS Software****. Examples are used to explain the main functions of the program.*

6.1 Starting the BERNINA CPS Software

*Click the **'Start'** button and move the mouse pointer to **'Programs'**.*



*The **'Programs'** menu opens.*

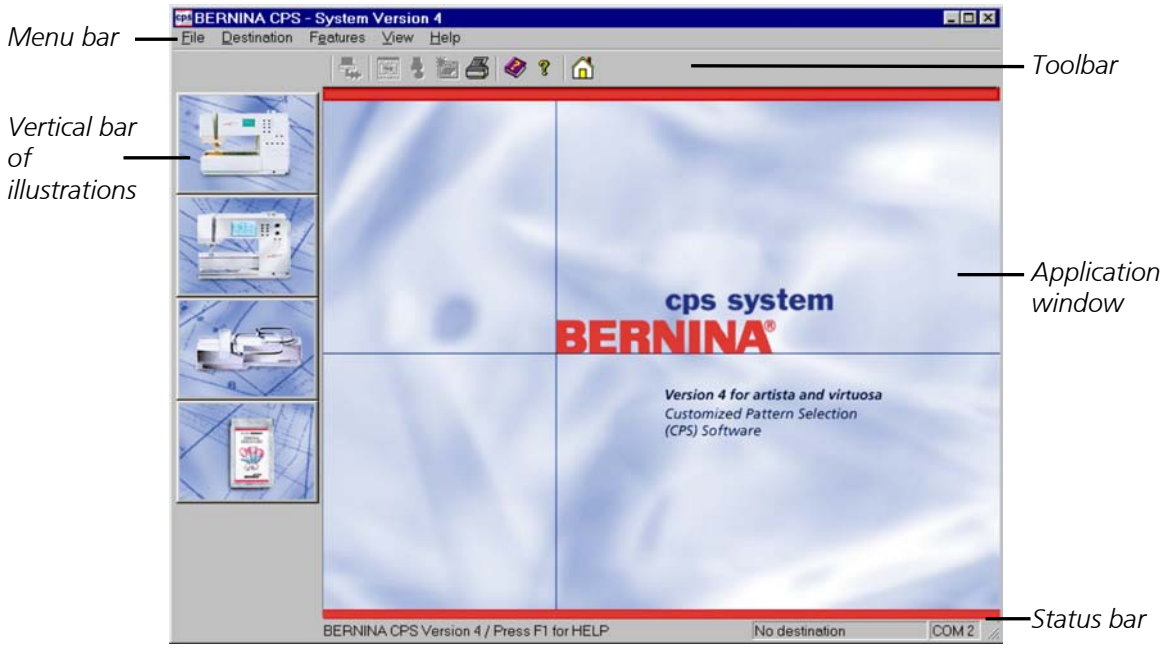
*Point to the **'BERNINA'** group and click on **'CPS-System V4.1'**.*

***Note:** You can also open a program by clicking **'Run'** in the **'Start'** menu, entering the path and the name of the program and then clicking **<OK>**. The program starts and the **BERNINA CPS Software** program window appears on your screen.*

6.2 Components of the BERNINA CPS program window

The ***BERNINA CPS*** *program window comprises five components:*

- *Menu bar*
- *Toolbar*
- *Status bar*
- *Application window*
- *Vertical bar of illustrations (for selecting a destination)*



6.3 Basic functions of the BERNINA CPS Software

*With the **BERNINA CPS Software**, you can manage embroidery and stitch patterns which are saved in the PC, the sewing machine, the Embroidery Module or on a Personal Design Card (PDC). With the program, saved **data** (stitch and embroidery patterns) can be **displayed clearly and printed** and the current selection of embroidery and stitch patterns can be **modified.***

Thanks to the serial port that connects the sewing machine (or the Embroidery Card Reader/Writers) to the PC, data can be transmitted in both directions using the program.

*At the time of delivery, the CPS data base (on the CDROM) includes over 250 embroidery and stitch patterns (**artista 180/185**: over 400 stitch patterns). The **virtuosa** contains at least 208 stitch patterns.*
This data base forms the basis of your personal collection of stitch and embroidery patterns which can be extended to suit your personal taste.

6.3.1 Saving data, formats

*To help you understand the **BERNINA CPS Software**, please observe the following:*

*The **sewing machine** only accepts stitch patterns (decorative and practical stitches). You can save your personal collection of stitch patterns in a CPS specific format ***.nma** or ***.nmv**.*

*The Embroidery Module and the PDC are only designed for sewing embroidery patterns. Here you can also save your individual collections on the PC. The CPS specific format for the **Embroidery Module** is ***.srm** and for the **Personal Design Card *.pdc**.*

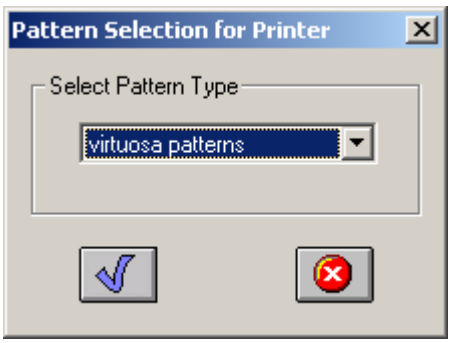
The PC can save all three formats as separate collections. It is, however, not possible to change one format into another (e.g. you cannot save a collection on a PDC as a collection for the memory installed in the Embroidery Module.

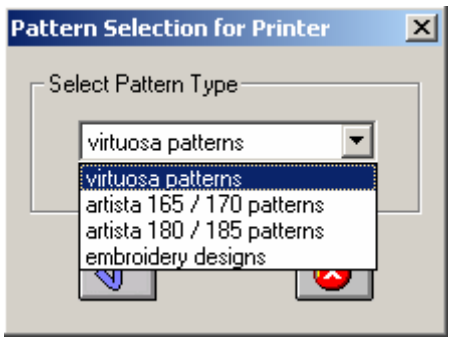
*The **BERNINA CPS Software** comprises a **data base** with all available patterns of the basic equipment as well as the relevant **standard settings** saved at the factory. This data base cannot be modified by the user and therefore allows the presettings made at the factory to be restored.*

6.4 Printing all patterns

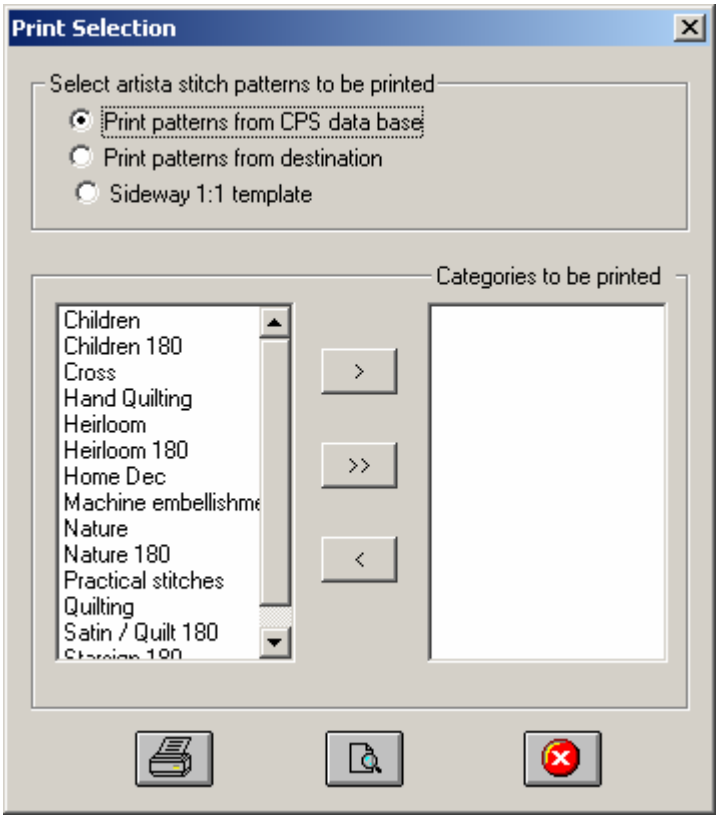
If you first want to print an overview of all available patterns, click the printer icon  *(or the menu command **'File > Print'**). A dialog box appears and you can either select the stitch patterns of your **artista** or **virtuosa** sewing machine or the embroidery designs. Click the small arrow to open the selection menu.*

After this menu has opened, you can activate the desired selection by clicking it with the cursor (mouse pointer).





*The option you selected is now displayed in the selection window. Click the blue tick to acknowledge your choice. The Print Selection window opens (the selection in the example shows the stitch patterns of the **'virtuosa patterns'**).*

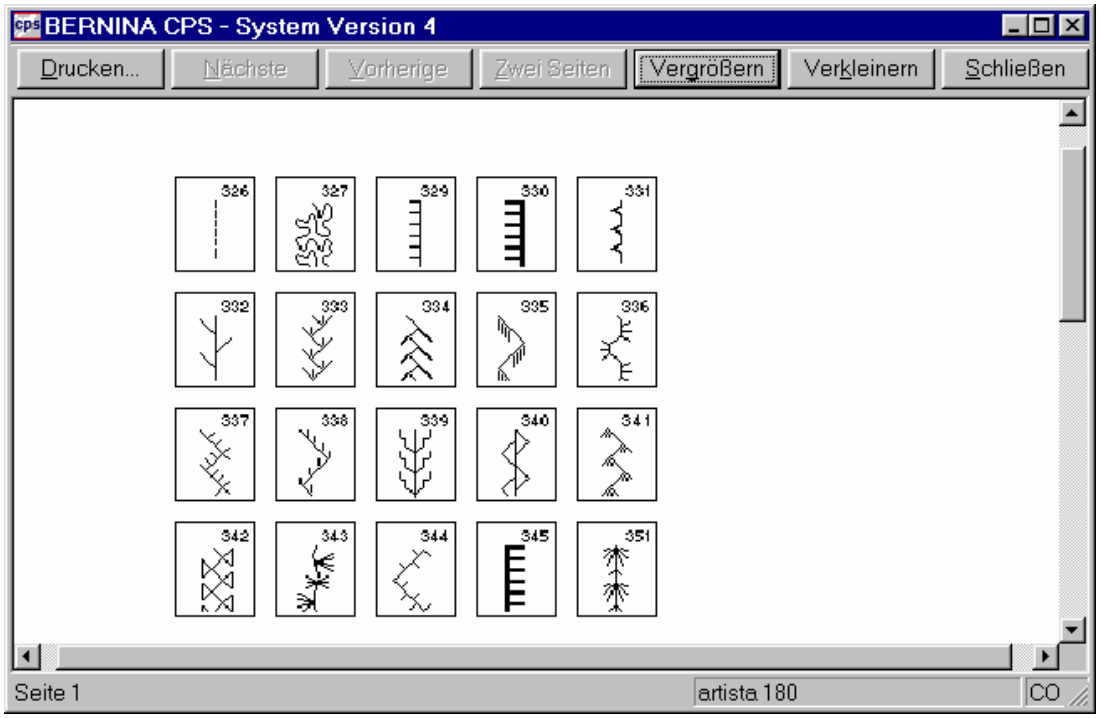


*In the **upper** part of the window, you can decide whether you wish to print the patterns from the **data base** (Print patterns from CPS data base), **or** from an **external destination** (Print patterns from destination) (an appliance to which a connection has been established), **or** as an 1:1 template for sideways motion patterns. In the **left** half of the window, you can see the available categories.*
*They can be marked separately (click) and moved to the **right** window by pressing the arrow key*  *. In this way you can select one category after the other for printing.*

*If you want to print **all categories**, press the arrow key*  *.*

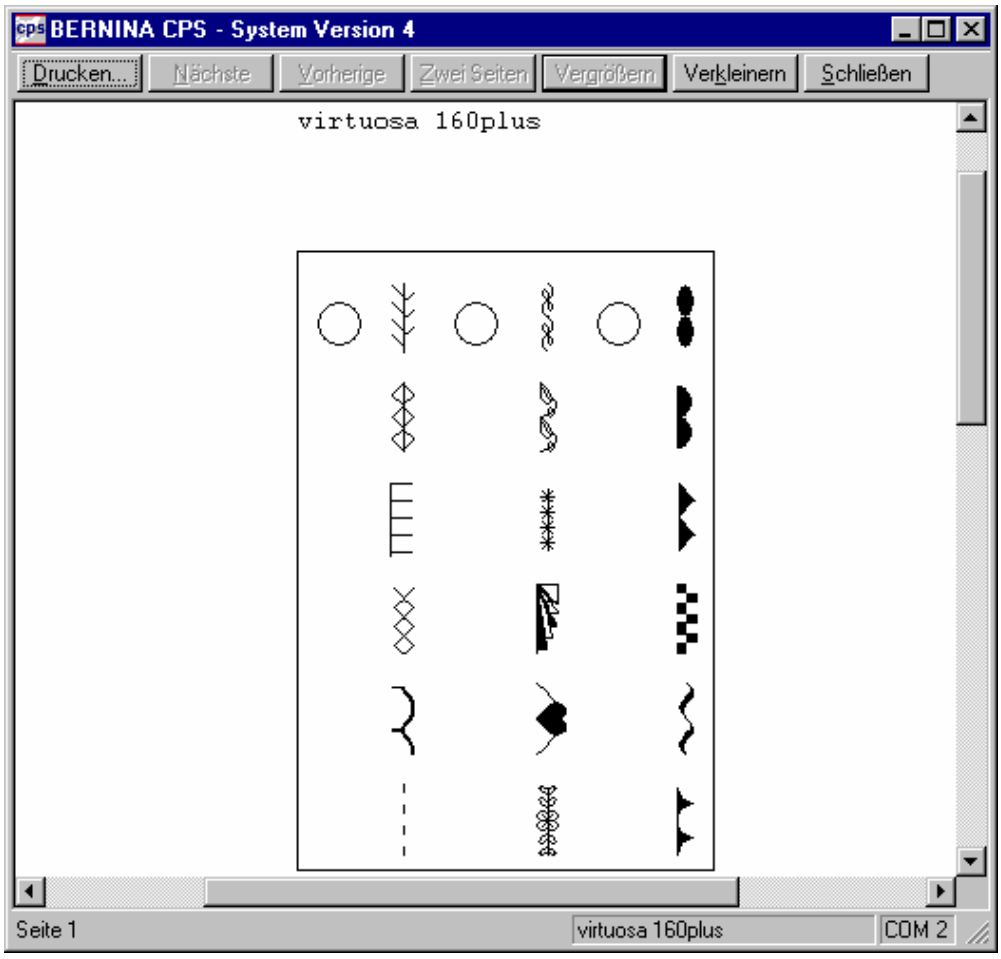
*In order to **delete** a category from the print area, use the arrow key* *.*

By clicking the magnifier icon, all patterns in the categories selected for printing can now be displayed in the Print preview  *. Each category has its own page.*



If several categories had been selected in the right part of the Print Selection window, press ***<Previous>*** *and* ***<Next>*** *to display all selected categories in the print preview. You can now either acknowledge the* ***<Print>*** *button and move to the Printer window (see description below), or you can close the preview.*

*If you have, for example, established a connection to the **BERNINA virtuosa** and for the print preview you select the stitch patterns from the destination (print patterns from destination), the following display appears with three circles in the print preview. You can use the printout as a template for your sewing machine by cutting out the three circles.*



*Clicking the printer icon opens the printer window. Before printing, check the printer settings. Make sure the format in the printer configuration is set to **'Portrait'**. Select your printer and click **<Properties>**. You now see the configuration window of the selected printer, where you can choose **'Portrait'**.*

*Select the number of pages to be printed (**from to**, or **all**), and click **<OK>** in order to start the printing process.*

6.5 Establishing connection to destination

*By clicking one of the four vertically arranged illustrations, you establish a direct connection to the corresponding destination. This connection is also possible via the **'Destination'** menu with the menu commands **'artista'**, **'virtuosa'**, **'Embroidery'** and **'PDC'**.*

*After the connection has been successfully established, some of the inactive icons and menu commands will become activated. If you position the mouse pointer above the various icons of the toolbar and stay there for a while, the **tooltips** shown in the Appendix C appear and give you a short description of the functions.*

*You can now display the stitch/embroidery patterns of the selected destination by clicking the **'Features' > 'Exchange'** menu or the*  *corresponding icon. The selection of these embroidery and stitch patterns can be changed, saved to the destination and/or the harddisk, printed or left as it is.*

6.6 Exchanging/editing the stitch and embroidery patterns



*By clicking this illustration, you establish a connection to the **BERNINA virtuosa sewing machine**.*



*By clicking this illustration, you establish a connection to the **BERNINA artista sewing machine**.*

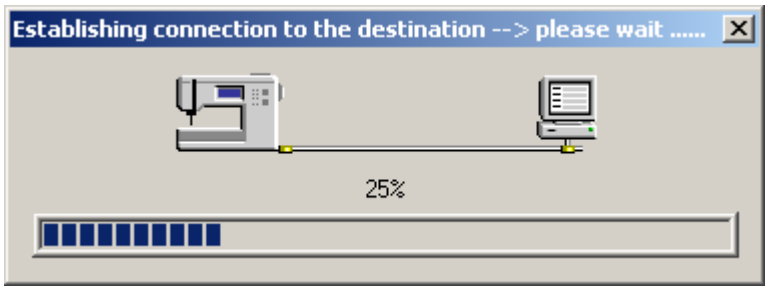


*By clicking this illustration, you establish a connection to the **BERNINA artista Embroidery Module**.*



*By clicking this illustration, you establish a connection to the **Memory Card** (PCD) in the Embroidery Module or in the **Embroidery Card Reader/Writer**.*

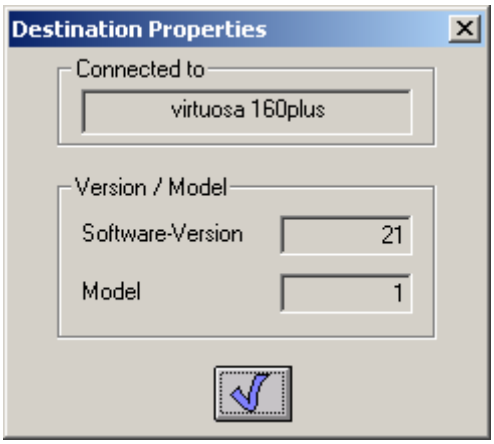
The progress of the connection being established is shown by the following status window.



After the connection has been successfully established, further functions are available. You can ***exchange patterns, restore*** *the settings made at the factory (Reset), or open a* ***CPS collection*** *in order to save, for example, the contents of the PDC on to your harddisk. The Print Selection dialog (see Chap. 6.4) is extended by the external destination so that you can also print the* ***data of the destination****.*

6.6.1 Pattern exchange window (Exchange CPS Data)

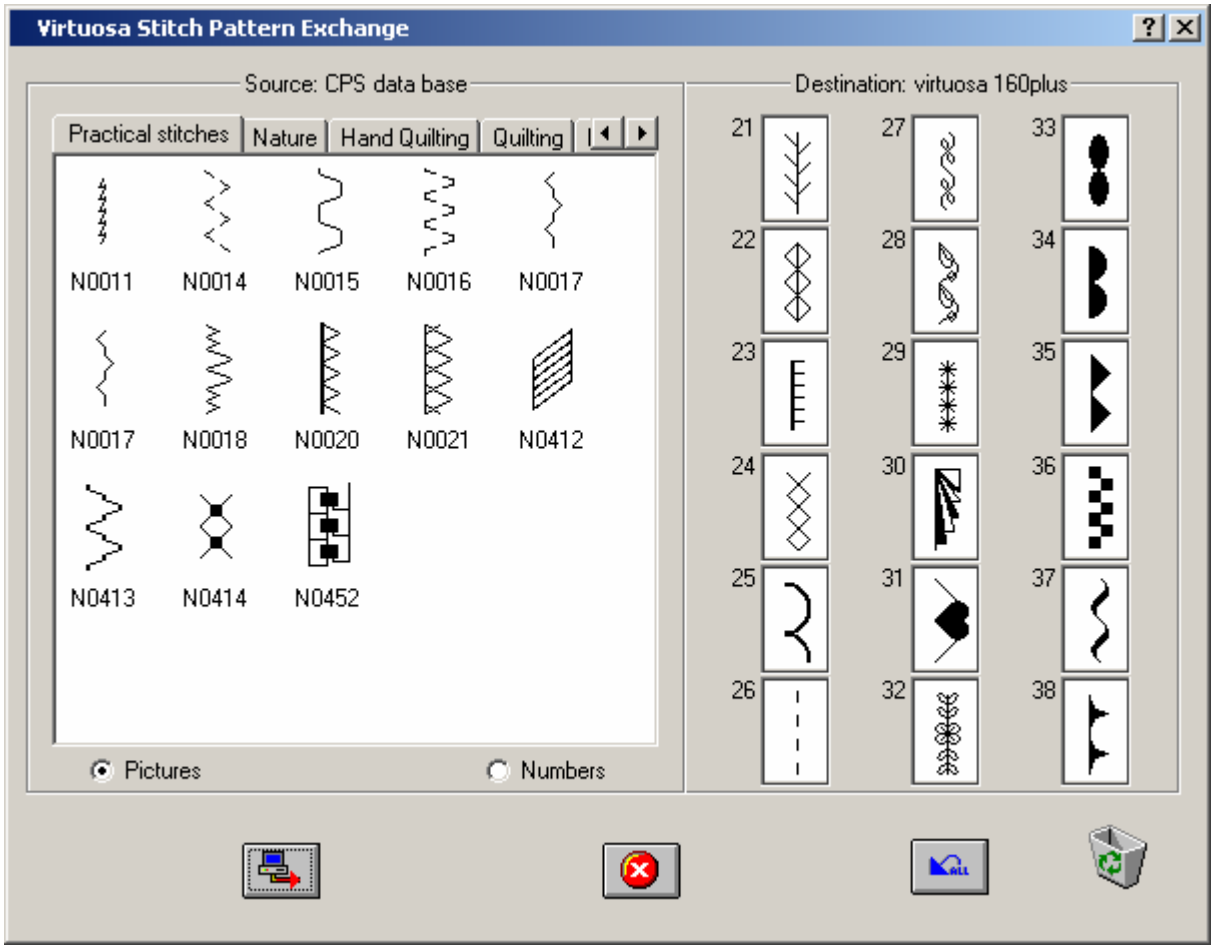
*After having **established** a **connection** to your destination, the vertical bar of illustrations only shows the illustration of your selected destination. The other destinations are no longer selectable and shown in gray. If you now click this illustration again, the following window opens and shows the **status** of your destination.*



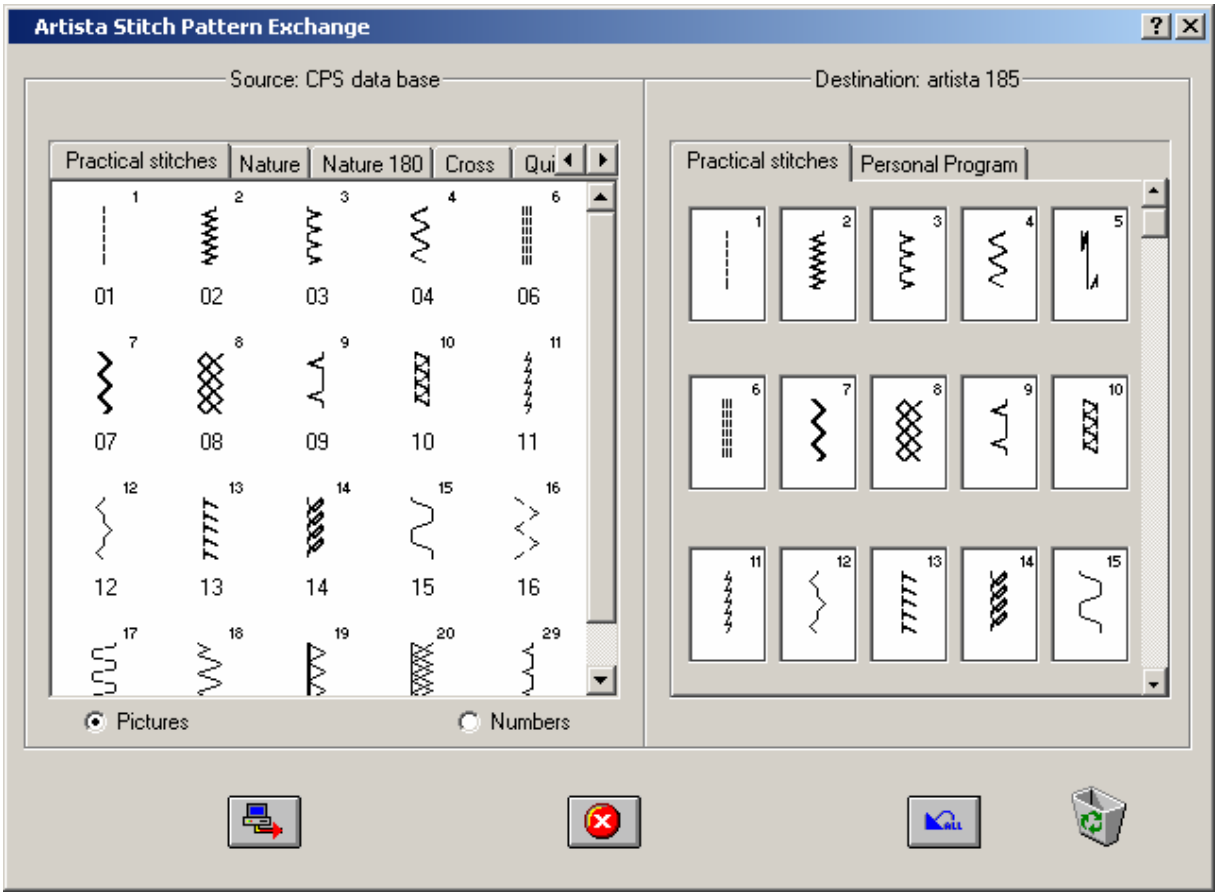
*By clicking the **'Features > Exchange'** menu or the corresponding*  *icon, the respective Pattern exchange window appears (after the data have been loaded). As the windows for exchanging/editing stitch and embroidery patterns are different, they are now described separately.*

6.6.2 Stitch pattern: Artista or Virtuosa Stitch Pattern Exchange

*On the left side of the window, you will find all **sewing patterns** and **practical stitches** that are available in the data base and the right side of the window shows the stitch patterns saved in the destination.*



*The illustration above shows the pattern exchange window for the **BERNINA virtuosa** sewing machine.*



The illustration above shows the pattern exchange window for the ***BERNINA artista*** *sewing machine.*

Note: *The* ***artista 165 / 170*** *can sew stitch widths up to 5 1/2 mm but* ***no sideway-patterns****. The* ***artista 180 / 185*** *sews stitch widths up to 9 mm. Sideway-patterns are also possible.*

Note: *When first using the* ***BERNINA CPS Software****, the* ***standard patterns*** *of the* ***artista*** *or* ***virtuosa*** *sewing machine and of the Embroidery Module are displayed. If you change this pattern selection using the* ***BERNINA CPS Software****, the currently saved pattern selection will be displayed in the future (see also Chap. 7.1).*

On the left side of the window, you find a menu bar with various tabs whereby each tab corresponds to a category of the ***sewing patterns****.*



Note: *As not all tabs are displayed at the same time, use the scroll bar (arrow left/right) to move the menu bar. Clicking the individual tabs shows the stitch patterns available in this category in the* ***left*** *window and the stitch patterns of this category already saved in the* ***artista*** *or* ***virtuosa*** *sewing machine are displayed in the* ***right*** *window.*

You can only exchange patterns that are within the same category.

As the ***artista*** *or* ***virtuosa*** *sewing machine saves only a* ***fixed number of stitch patterns****, the available stitch patterns in the right window cannot be deleted or supplemented. They can, however, be overwritten by the stitch patterns from the left window. To* ***exchange*** *(overwrite) the stitch patterns, please procede as follows:*

***Mark** your new stitch pattern in the left window and keep the left mouse button pressed to **'drag'** the pattern to the right window. While you are dragging, the mouse pointer changes to this symbol:* 
Move the changed mouse pointer over a stitch pattern in the right window you want to replace and release the mouse button.

*The old stitch pattern has been **replaced** by a new one. The replaced stitch patterns in the right window have a **colored background**. A newly added stitch pattern in the right window can also be deleted, or moved to another position by marking, dragging and dropping it (see below).*

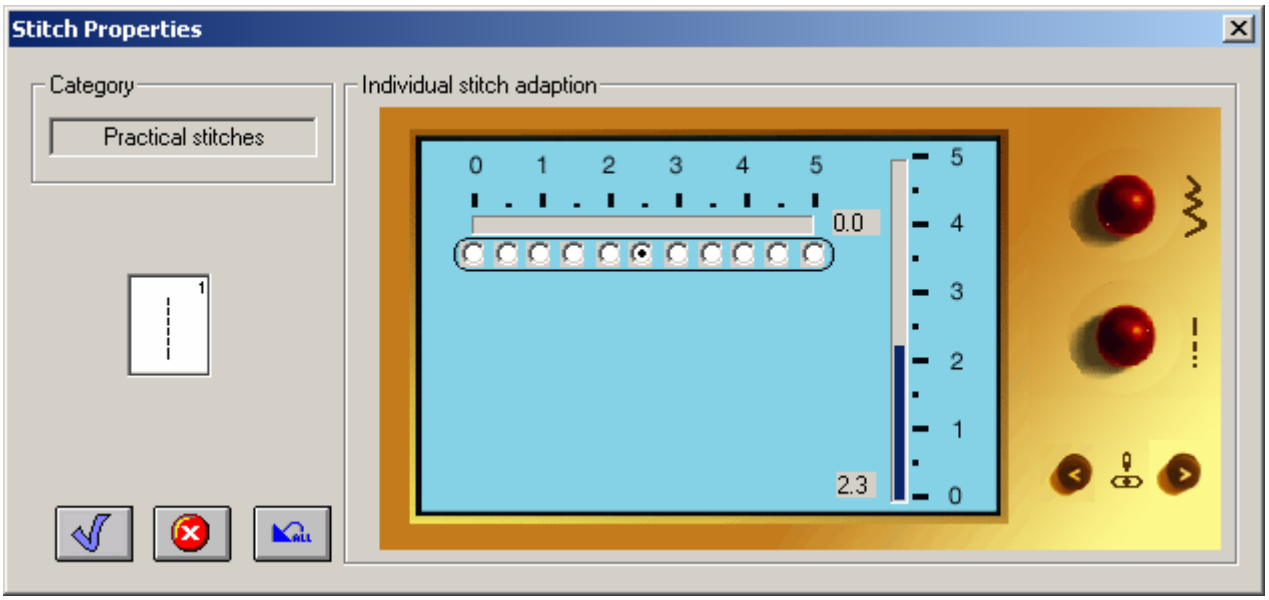
If you delete or move an added pattern from a position, the standard pattern arrangement will appear again.

*If you want to **delete** a newly stored stitch pattern, simply drag it onto the recycle bin icon, then release the mouse button.* 

*To **restore** the last saved collection, simply click the icon* 
(see also Chap. 7.1)

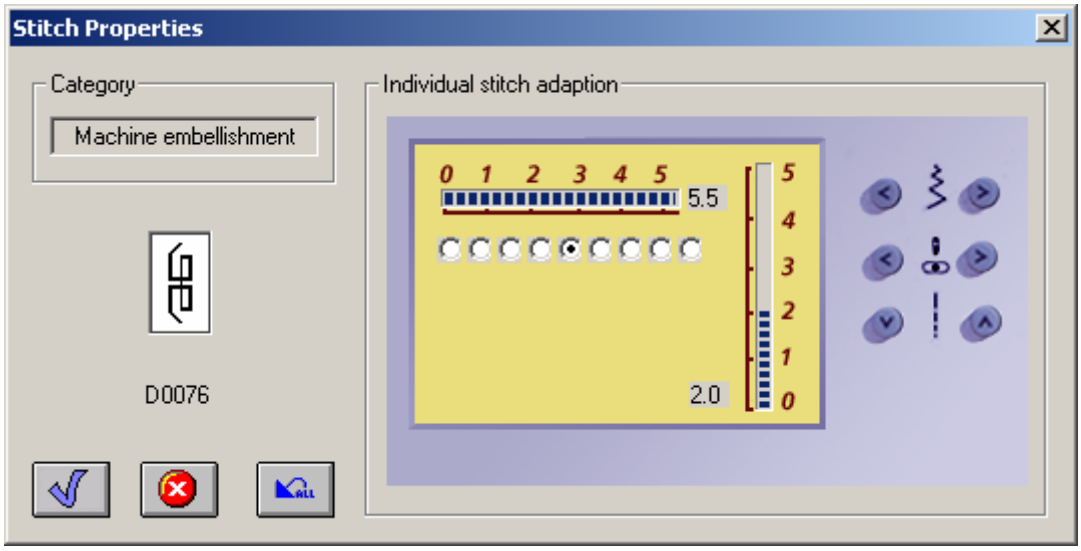
*By clicking on one of the stitch patterns of the **BERNINA artista or virtuosa** with the right mouse button, a window opens, in which the properties of the selected pattern are displayed.*

*The dialog for **BERNINA artista** uses knobs to change certain values.*



***Note:** If the stitch pattern **cannot be altered** only information on the selected pattern will be displayed. The individual stitch adaption is for most sideway patterns disabled.*

*If the selected stitch pattern **can be altered**, the properties window opens and the properties can be adjusted (see below).*

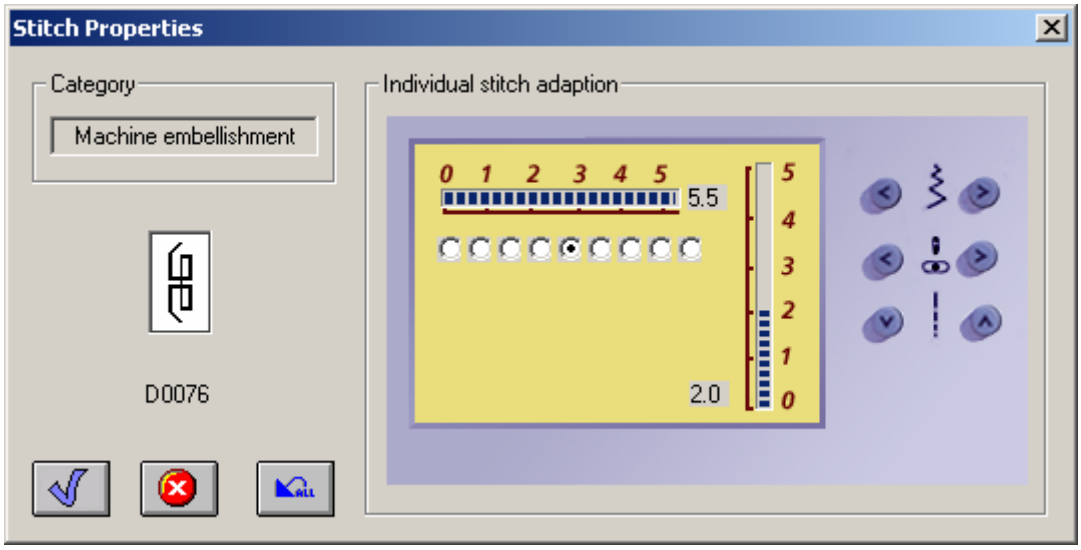


***Note:** The properties of the stitch patterns in the left half of the pattern exchange window (out of the data base) are write protected.*
*The stitch patterns of the destination in the right half of the window **can be adjusted** as follows.*

There are three stitch properties you can adjust:

- *the width of the stitch,*
- *the position of the stitch,*
- *and the length of the stitch.*

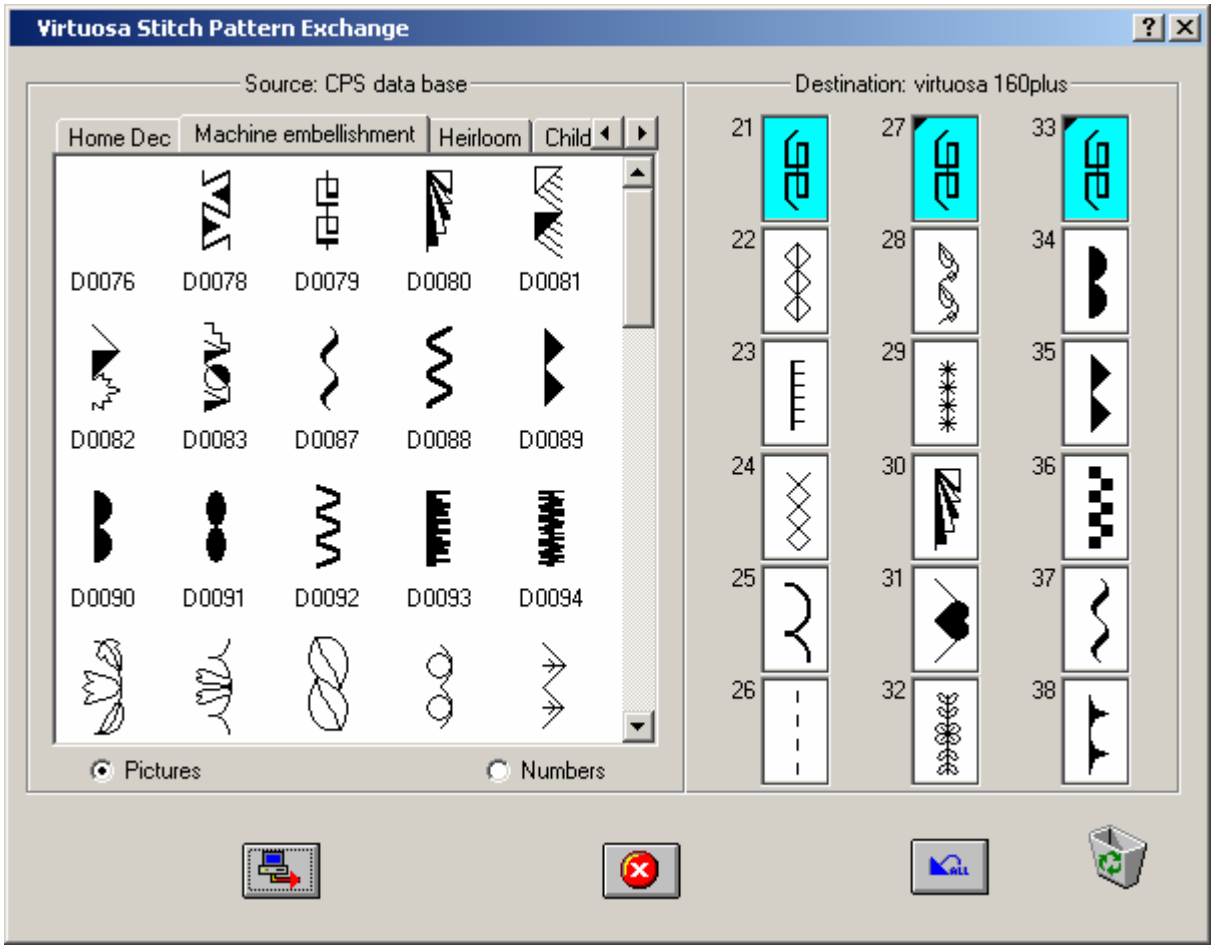
Each setting can be changed with the corresponding arrow key or knob. Put the mouse pointer on the desired arrow key and press the left mouse button as many times as necessary until you are satisfied with the modification. When using the knobs, keep the left mouse button depressed and move the mouse in a circular motion.



If you wish to save your modification to the stitch pattern, confirm with .
In order to restore the standard settings, click on  *and to close the window without saving any changes, click on* .

A modified stitch pattern is marked with a black triangle in the symbol area (upper left).



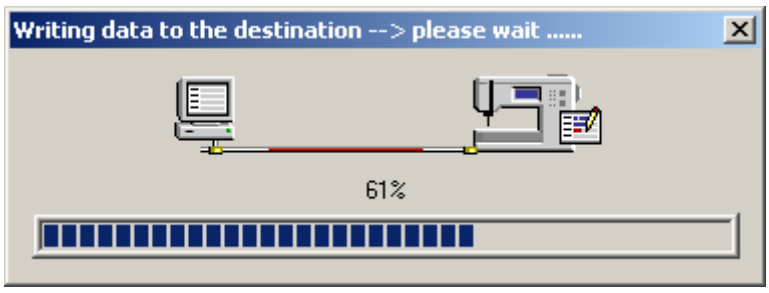


Note: *You can save a stitch pattern, as shown above, to the destination several times with various adjustments having been made to it.*

*After you have exchanged all the stitch patterns you need, you can write this newly generated **collection** back into your **artista** or **virtuosa** sewing machine by clicking **'Store/Download'** icon*  *. The following dialog box appears.*

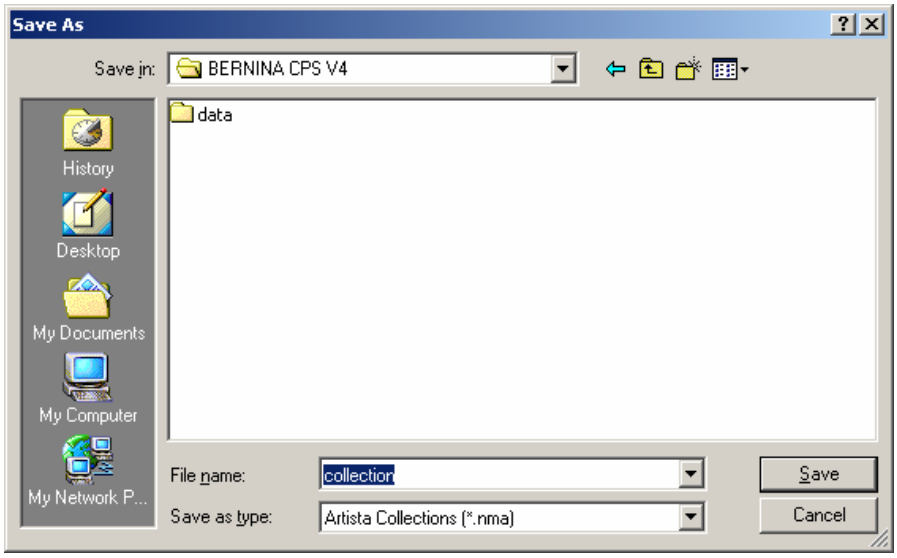


*After having answered this question with **<yes>** the data is transferred.*

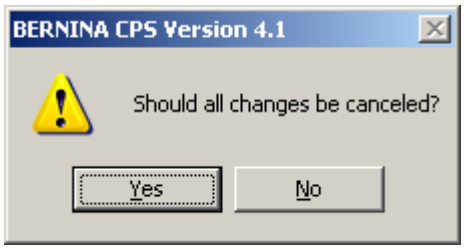


***Note:** After the data have been saved to the **artista** sewing machine, another window appears. Via this window you can save the newly created collection also to the **harddisk**, so that this special collection can be loaded at any time should you have saved or used further collections in your **artista** sewing machine in the meantime.*

If you answer the inquiry with ***<yes>****, a* ***'Save as'*** *window opens. Here you can enter directory and file name under which your collection is to be saved to the harddisk (see also Chap. 6.7)*

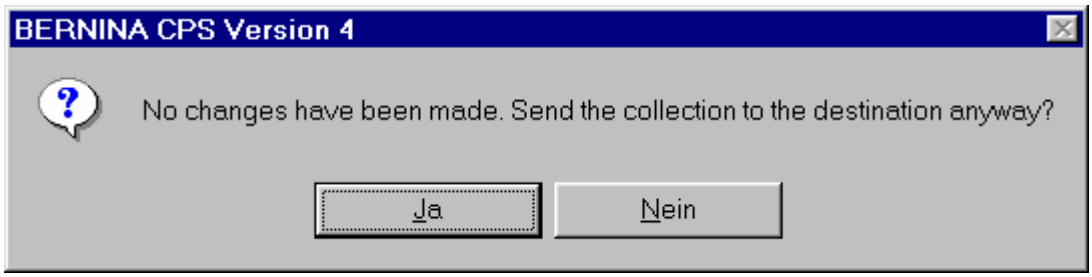


If you do not wish to save the changes that you have made to the collection, you can ***cancel the process****, by clicking on the symbol*  ***'cancel'****. The following question appears:*



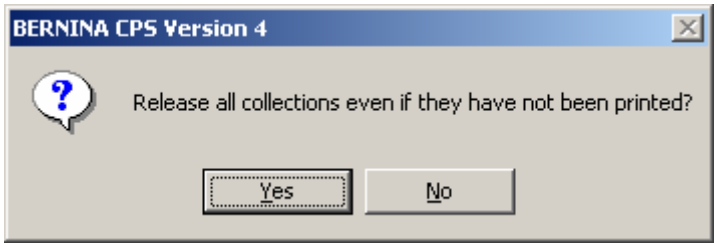
Confirm this with ***<Ja>*** *and the changes will not be saved and the pattern exchange window will close.*

If you want to set the collection back to its original state, then click on the symbol  *(see also Chap. 7.1).*
If you have not made any changes and you do not cancel the process but send the unaltered collection back using this symbol  *, then confirm this with* ***<Ja>*** *in the following window.*



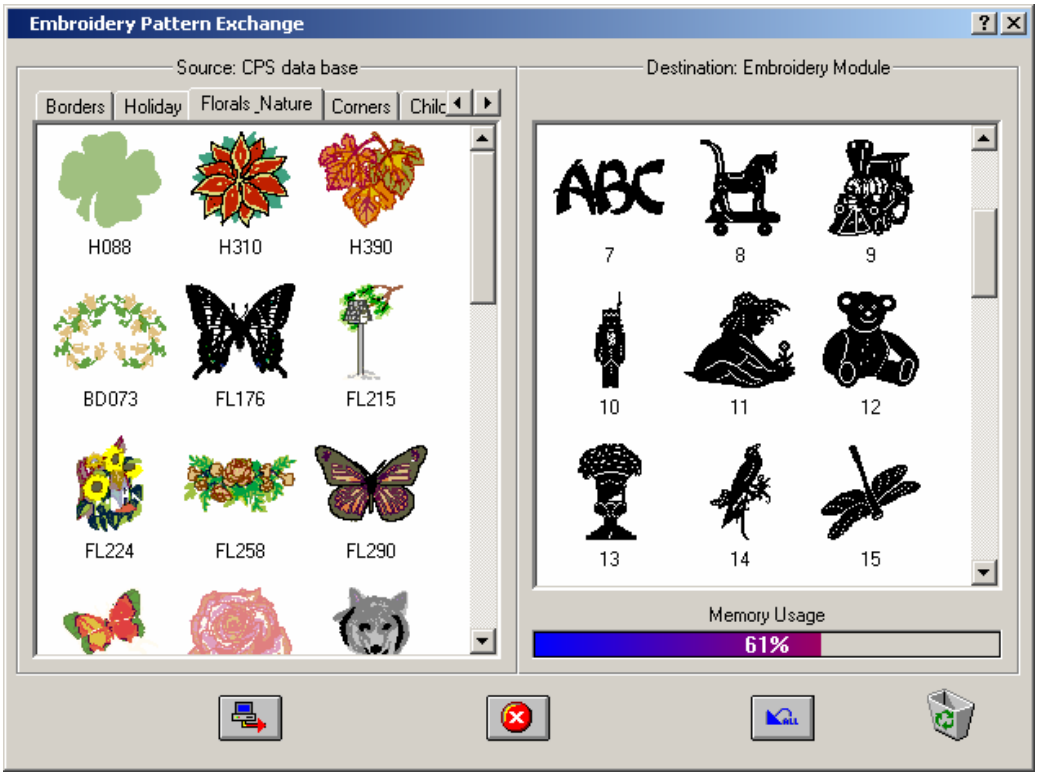
At the end of this procedure, you can ***disconnect*** *the* ***artista*** *or* ***virtuosa*** *sewing machine again by selecting the* ***'Destination > Disconnect'*** *menu command or clicking the icon*  *. After disconnection the* ***artista*** *or* ***virtuosa*** *sewing machine carries out a* ***new initialization*** *and is ready for using the new stitch pattern collection.*

Printing *the new collection is only possible before the machine is disconnected. This is indicated by the following window.*



6.6.3 Embroidery Pattern Exchange

*On the left side of the window, you find all **embroidery patterns** available in the data base. The right side of the window shows the embroidery patterns saved in the **Embroidery Module** or on the **PDC**, depending on the destination previously selected.*



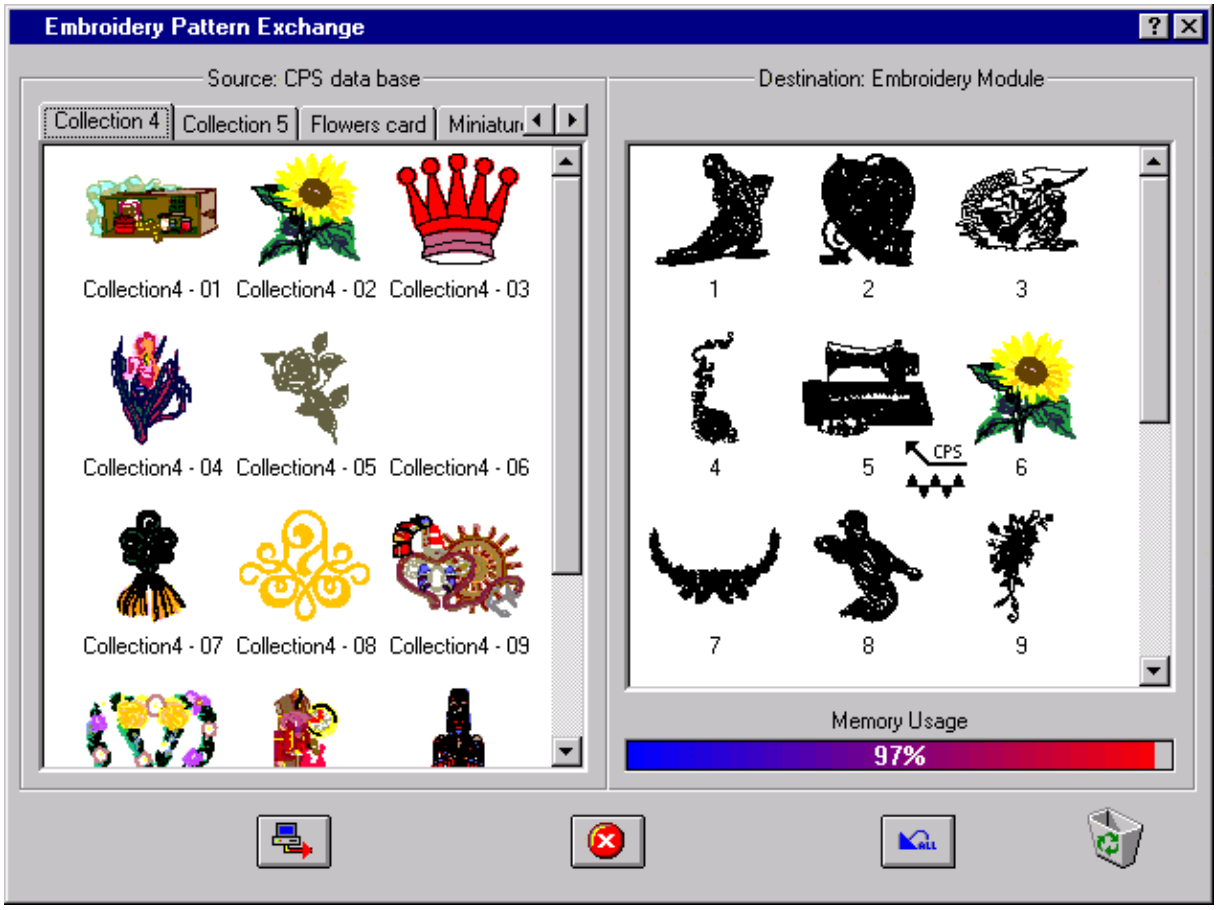
*The embroidery patterns from the **data base** are shown in **color** and those from the **destination memory** in the right window are displayed in **black/white.***

In the left window, you can click the tabs within the category menu bar and display all available embroidery patterns. If you now drag an embroidery pattern (see Chap. 6.6.2) to the right window, the following message may appear.

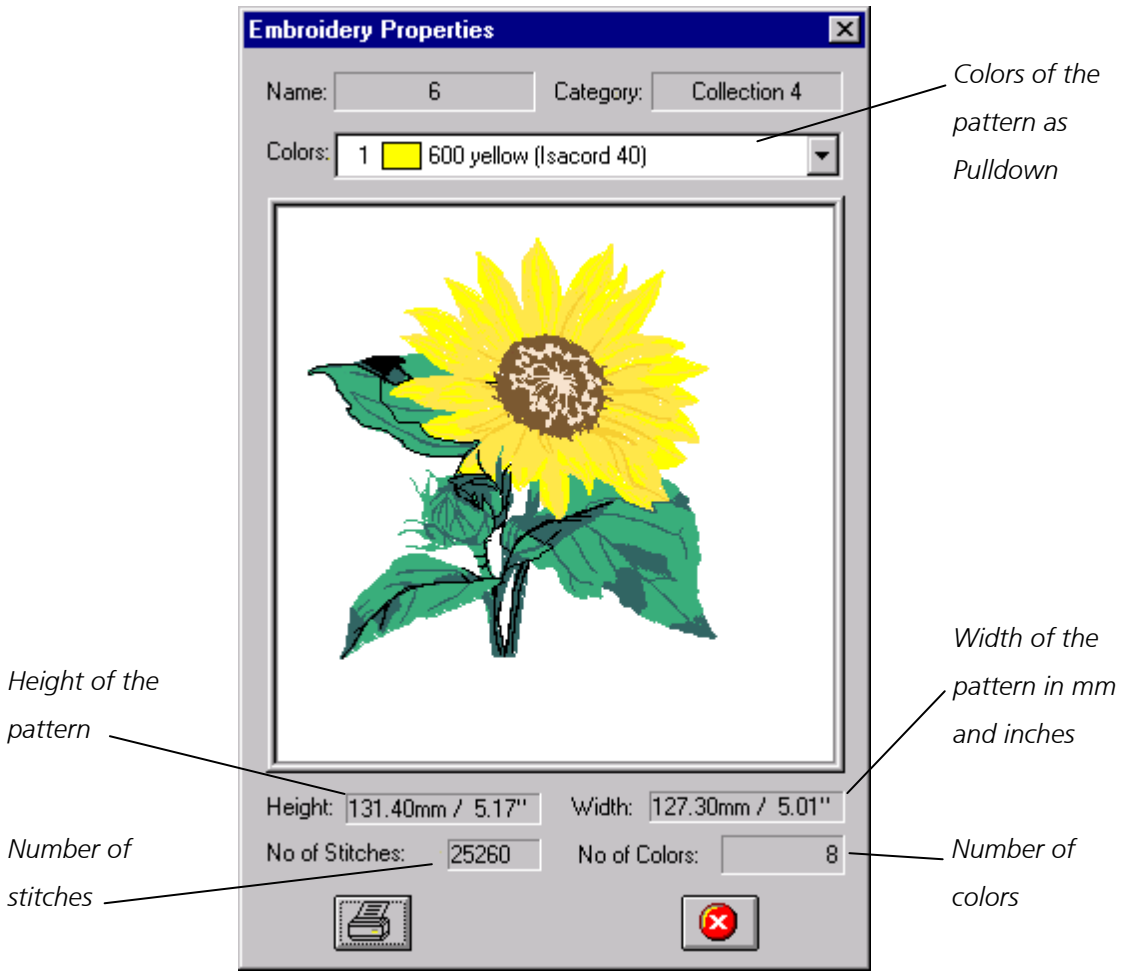


*A maximum of **100 embroidery patterns** can be stored in the **Embroidery Module**. A **PDC** can save a **maximum of 15 patterns**. If you want to use a new embroidery pattern, you need **free memory location** first. This can be achieved by dragging and storing (see above) an embroidery pattern from the right window to the recycle bin. With this procedure, the length of the bar indicating the **memory usage** changes.*

You can now drag an embroidery pattern from the left window to the right one. If the above message appears again, repeat the procedure of ***gaining memory*** *and again drag your selected pattern to the right window. After it has been stored successfully, it is displayed in color and the memory usage bar has changed by the memory size of the pattern (see figure below).*



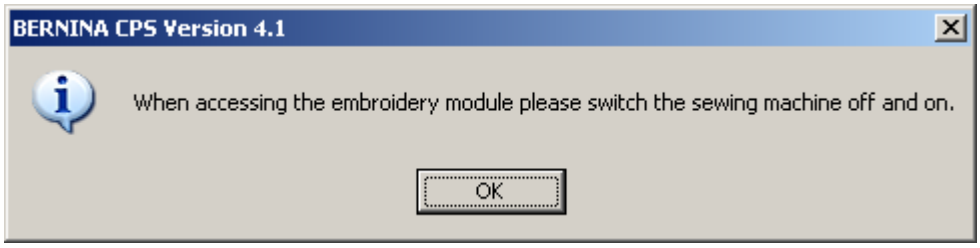
*If you want to display the embroidery **properties**, click the corresponding icon using the **right** mouse button. A window with a magnified view and additional information opens.*



All further procedures are the same as those described in Chap. 6.6.2 (saving back, saving collection to harddisk, restoring the original collection).

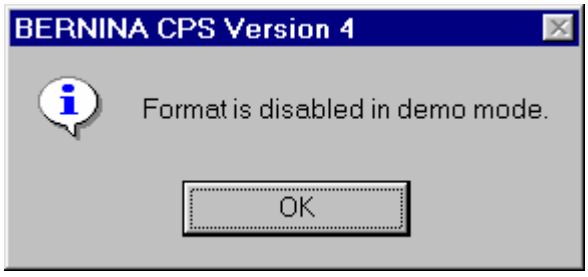
Important! *The difference between saving to the* ***artista*** *or* ***virtuosa*** *sewing machine and saving to the* ***Embroidery Module*** *or the* ***PDC*** *is that the* ***artista*** *or* ***virtuosa*** *sewing machine* ***reinitializes*** *itself after disconnection and is thus ready for sewing.*

The ***Embroidery Module*** *and the* ***PDC*** *that uses the* ***Embroidery Module****, however, have to be reinitialized by* ***switching on and off*** *the* ***artista*** *or* ***virtuosa*** *sewing machine. To initialize the PCD data, it would be sufficient to briefly remove and reinsert the card. A note on this fact is displayed by the following window after you have cut the connection of the destination (button or menu* ***'Destination > Disconnect'****).*



Note: *If a PCD seems to be faulty or cannot be read or overwritten, you can reformat it. In order to do this, select the* ***'View > Options'*** *menu command and acknowledge with the button* ***'Format'****.*



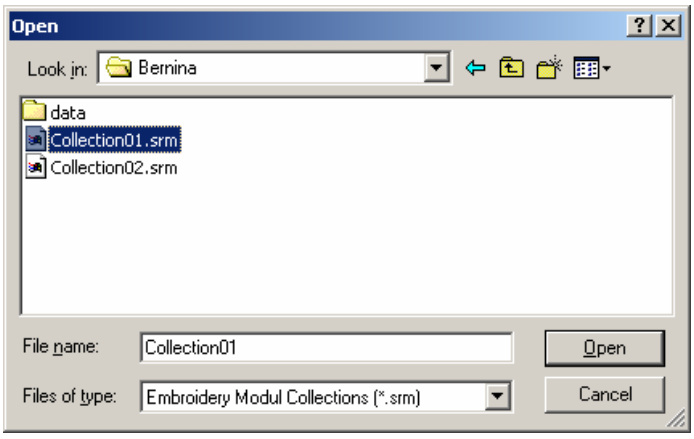


If you are in ***'demo mode',*** *you will be informed of the fact that this function is only available in normal mode.*

6.7 Working with saved collections

After having exchanged/edited stitch and embroidery patterns and saved the data to the destination, you are always asked if you want to save your collection to the harddisk (Chap. 6.6). If you have already saved your own collections with this procedure, you can load them to the corresponding destination at any time. In order to do this, establish a connection to the destination first. Then select ***'Features > CPS Collection'*** *or this button.* 

The following figure shows various collections for the ***Embroidery Module****. After you have marked a file and acknowledged the* ***<open>*** *button, the collection is loaded from the harddisk to the Pattern Exchange window (here Embroidery Pattern Exchange).*



You can now edit, print your collection or save it directly to the destination (see. Chap. 6.6.2 and Chap. 6.6.3).

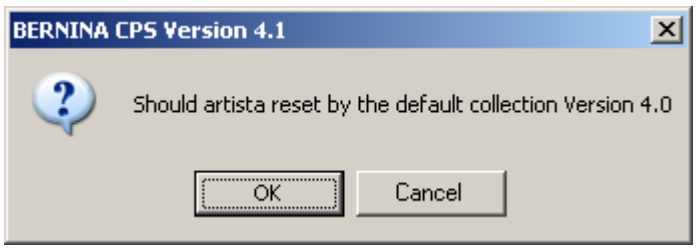
7. Additional functions

7.1 Restoring the default CPS data in the destination

*The prerequisite for restoring the standard CPS data is an existing connection to a destination (**artista** or **virtuosa** sewing machine or **Embroidery Module**).*

*If you want to reset your **BERNINA artista** or **virtuosa** sewing machine or the Embroidery Module to its originial state in one go, or reactivate the standard stitch or embroidery patterns, the **BERNINA CPS Software** offers a simple method. Establish a connection to the destination first. Then select the **'Reset'** command in the **'Features'** menu or simply click the following icon in the toolbar*  *.*

*If you click **<OK>** in the following window (example: virtuosa), the standard collection will be restored.*



7.2 Working without toolbar or status bar

*You can mask the toolbar and/or status bar if you like. Select the commands **'Toolbar'** or **'Statusbar'** in the **'View'** menu. If you repeat these commands, the program returns to the standard settings. If you open the **'View'** menu again, you will see a small tick next to the commands.*

7.3 About CPS Software

*Clicking the **'Help'** menu or the*  *button gives you information on the version of the **BERNINA CPS Software** that is being used. You can also see the software version in the first screen that is displayed for approx. 5seconds after starting the program.*

7.4 The Help functions

Status bar

*The status bar is below the application window. In the **left** part of the status bar, you will find information on the version of your **BERNINA CPS Software**. If you use the mouse pointer to point to an icon of the toolbar or to a menu command of an opened menu, the status bar shows a short text describing the respective function (only English).*
*The **right** part of the status bar indicates the selected destination (artista or virtuosa sewing machine, Embroidery Module or PDC) and next to it, the selected serial communication port (COM 1 to COM 4).*

Tooltips
e.g. 

If you use the mouse pointer to point to an element of the toolbar or to one of the illustrations to the left to the application window and stay there for a while, a brief (English) description of the function appears.

Online Manual:
***'F1'** button,*
***'Help > Online Manual'** menu command*
or icon 

*Irrespective of which alternative is used for calling the Online Manual, the **Acrobat Reader** with the **Online Manual File** starts on the first page. Scroll up to the table of contents and click the topic you are interested in or navigate to the corresponding topic by means of the bookmarks in the left part of the window.*

7.5 BERNINA Website

*If you have Internet access, you can find the addresses of your local **BERNINA** dealers on the **BERNINA** Website. A visit to this site is certainly worthwile anyway.*

*You can access the **BERNINA** Website directly via the **'Help > Home Page'** menu or the adjacent icon*  *, provided you have established an Internet connection.*

Let us surprise you. *http://www.bernina.com/*

***Note:** The address of the website can be configured with the **'View > Options'** menu command. Enter the correct Internet address in the Options window and acknowledge your changes with*  *.*

8. Service

*If you have any questions regarding the **BERNINA CPS Software**, first check through this Online Manual. If you cannot find the information you require, please refer to the **BERNINA** dealer.*

*New memory cards with current embroidery patterns can also be obtained from the **BERNINA** dealer.*

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Appendix

A Shortcuts (key combinations)

*Most application programs with a windows interface provide so-called up **shortcuts** (abbreviations). By means of these key combinations, menu commands can be called up directly. If a shortcut is available for a certain menu command, one letter of this command is underlined (one letter of the menu name is also underlined).*

*The key combination **'Alt' +'d'** followed by **'a'** (keep the **'Alt'** key pressed) is, for example, used to establish the connection to the **artista** sewing machine. The **key combination** to establish a connection to the **artista** sewing machine is for example **'Alt'** +**'d'** and then **'a'** (keep the **'Alt'** key pressed).*



B Context menus

Context menus are windows which can be opened by clicking them with the right mouse button at a certain position of the program window. Context menus may either display information, or they may offer further menu commands and settings.

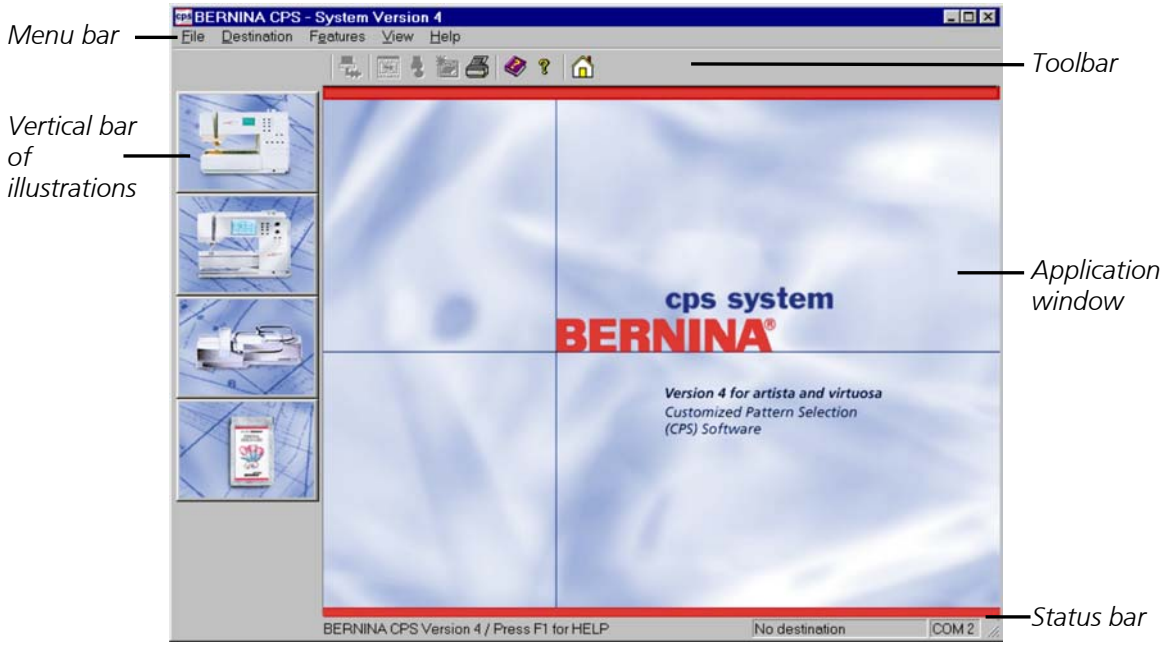
The program offers the following context menus:

- *After you have selected a destination (**artista** or **virtuosa** sewing machine, **Embroidery Module** or **PDC**) and called the function **'Exchange CPS Data'**, the corresponding Pattern exchange window opens. If you click the picture of a stitch or embroidery pattern with the right mouse button in this window, the pattern is displayed in enlarged format with accompanying information or additional possibilities to change the pattern.*

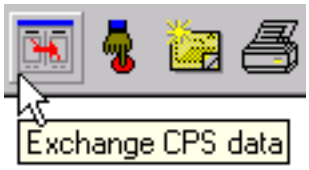
- *After having selected the destination **Embroidery Module** and having called the Print dialog, you can click the minimized pictures of the stitch patterns selected for printing at the bottom of the window with the right mouse button. A new window opens which shows the respective patterns in enlarged format and with additional information.*

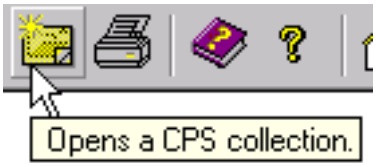
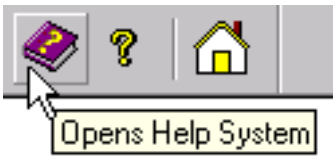
C Short overview

Operating elements of the main window:

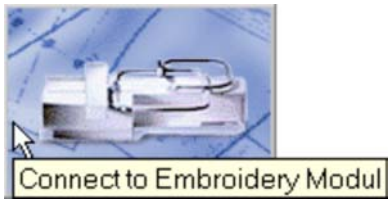


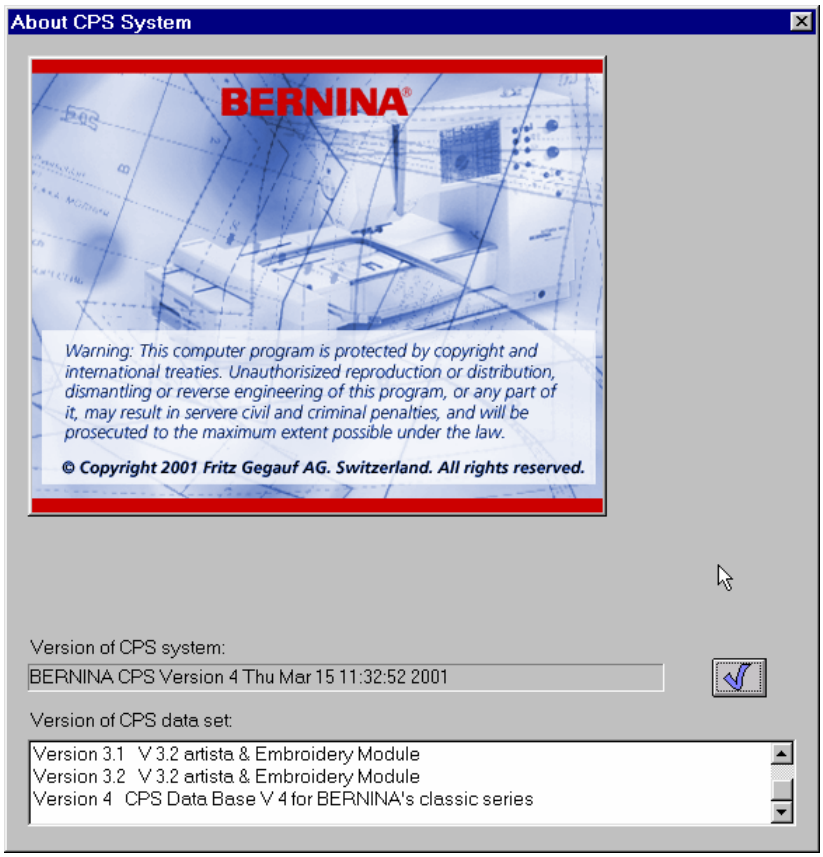
Note: *Functions with their own icon are listed first, followed by the other functions sorted according to where they are positioned in the menus (from left to right).*

ICON	***Explanation***	***Hyperlinks***
Tool tip		
Menu command		
Shortcut		
	*Disconnects the* ***artista*** *or* ***virtuosa*** *sewing machine, the* ***Embroidery Module*** *or the Embroidery Card Reader/Writer.* ***Note:*** *This icon also appears in the Pattern exchange window for stitch or embroidery patterns. There, the icon additionally serves for sending data to the destination before disconnection.*	*Chap. 6.6.2 - 6.6.3*
'Destination > Disconnect'		
'ALT' + 'D', then 'D'		
	*Opens the Pattern exchange window depending on the selected destination. Enables the changing/editing of stitch and embroidery patterns.*	*Chap. 6.6.1*
'Features > Exchange'		
'ALT' + 'E', then 'E'		
	*Resets the* ***artista*** *or* ***virtuosa*** *sewing machine or the* ***Embroidery Module*** *to their original state as set at the factory.*	*Chap. 7.1*
'Features > Reset'		
'ALT' + 'E', then 'R'		

ICON	***Explanation***	***Hyperlinks***
Tool tip		
Menu command		
Shortcut		
	*Depending on the selected destination, you can load a pattern collection which is stored on the harddisk of the computer into the Pattern exchange window in order to edit or print it, or load it into the destination device.*	*Chap. 6.7*
'Features > CPS Collection'		
'ALT' + 'E', then 'C'		
	*Takes you to the Print Selection window. If no destination has been selected yet, a corresponding dialog box appears after clicking the button.*	*Chap. 6.4., 6.6.*
'File > Print'		
'ALT' + 'F', then 'P'		
	*Opens the online manual.* **Note:** *The* ***<F1>*** *key also opens the online manual.*	*Chap. 7.4*
'Help > Online Manual'		
'ALT' + 'H', then 'O'		
	*If your computer is connected to Internet, this function calls the* ***Bernina*** *Homepage.*	*Chap. 7.5*
'Help > Home Page'		
'ALT' + 'H', then 'H'		

ICON	***Explanation***	***Hyperlinks***
Tool tip		
Menu command		
Shortcut		
'File > Print Setup'	*Opens the Configuration window for the connected printer.*	
'ALT' + 'F', then 'S'	*Chap. 6.4*	
'File > Exit'	*Exits the **BERNINA CPS** program.*	
'ALT' + 'F', then 'E'		
'Destination > Com Port'	*The serial interface for your PC can be selected here.*	
'ALT' + 'D', then 'C'	*Chap. 5.3*	
'View > Toolbar'	*Switches the view of the toolbar off and on.*	
'ALT' + 'V', then 'T'	*Chap. 7.2*	
'View > Statusbar'	*Switches the view of the status bar off and on.*	
'ALT' + 'V', then 'S'	*Chap. 7.2*	
'View > Options'	*Displays the Options window.*	
'ALT' + 'V', then 'O'	*Chap. 5.1*	
'Help > Demomode'	*Prevents (Demomode!) from being displayed in the title of the BERNINA*	
'ALT' + 'H', then 'D'	*CPS Software.*	
	Chap. 5.1	

ICON	***Explanation***	***Hyperlinks***
Tool tip		
Menu command		
Shortcut		
	*Selects the destination **virtuosa** and loads its stitch patterns and settings into the **BERNINA CPS Software**.*	*Chap. 6.5, 6.6.1, 6.6.2*
'Destination > virtuosa'		
'ALT' + 'D', then 'V'		
	*Selects the destination artista 170/180 and loads its stitch patterns and settings into the BERNINA CPS Software.*	*Chap. 6.5, 6.6.1, 6.6.2*
'Destination > artista'		
'ALT' + 'D', then 'A'		
	*Selects the destination Embroidery Module and loads its patterns into the BERNINA CPS Software.*	*Chap. 6.5, 6.6.1, 6.6.3*
'Destination > Embroidery'		
'ALT' + 'D', then 'E'		
	*Selects the destination PDC (Personal Design Card) and loads its patterns into the BERNINA CPS Software.*	*Chap. 6.5, 6.6.1, 6.6.3*
'Destination > PDC'		
'ALT' + 'D', then 'P'		

ICON	Explanation	Hyperlinks
Tool tip		
Menu command		
Shortcut		
	*Here you see which version of the **BERNINA CPS Software** is being used and this window opens.* *Chap. 7.3*	
'Help > About CPSystem' ***'ALT' + 'H', then 'A'***		

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D Color Table

Isacord	Sulky	Mettler	Madeira
0010	1001	0015	1802
0015	1002	0015	1801
0017	1001	0015	0015
0020	1234	0020	1800
0101	1071	0670	1804
0108	1219	0142	1611
0111	1041	2675	1640
0112	1220	2675	1740
0124	1236	0150	1810
0131	1219	0142	1611
0142	1011	0142	1918
0145	1011	3752	1611
0150	1218	0150	1812
0151	1085	0150	1660
0152	1219	2675	1918
0180	1120	2165	1886
0182	1236	2165	1886
0184	1218	0150	1886
0221	1067	0590	1735
0232	1127	0352	1706
0250	1022	0510	1866
0270	1061	0510	1622
0310	1067	0580	1623
0311	1124	0605	1980
0345	1156	0345	1796
0352	1209	0352	1706
0442	1227	0352	1706
0453	1128	0453	1956
0463	1228	0453	1756
0465	1173	0465	1794
0501	▫	▫	1995
0506	1124	0605	1683
0520	1135	0630	1861
0532	1070	0251	1939
0542	1159	0542	1792
0546	1159	0542	1791

Isacord	Sulky	Mettler	Madeira
0552	1055	0842	1939
0600	1187	0590	1924
0605	1124	0605	1971
0630	1135	0630	1861
0640	1066	0635	1626
0651	1149	1140	1884
0660	1061	0660	1723
0670	1071	0670	1803
0672	1229	0761	1860
0700	1024	0830	1951
0702	1024	0702	1971
0704	1085	0702	1771
0706	▫	▫	1925
0713	1167	0605	1683
0722	1179	0853	1928
0747	1173	0345	1757
0761	1127	0761	1738
0776	1180	1945	1744
0800	1024	0830	1951
0811	1024	0830	1624
0821	1025	0830	1624
0822	1070	0842	1725
0824	1025	0940	1625
0832	1055	0842	1855
0842	1126	0842	1855
0851	1055	0842	1855
0853	1170	0853	1928
0870	1082	0870	1682
0873	1180	0142	1662
0874	1179	0142	1854
0904	1065	0900	1755
0922	1025	0940	1927
0931	1158	0932	1753
0932	1126	0932	1773
0933	1057	0933	1758
0934	1128	0842	1728

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Isacord	Sulky	Mettler	Madeira
0940	1026	0940	1973
0941	1126	0940	1726
0945	1170	0945	1744
0970	1071	0670	1622
1055	1179	0933	958
1060	1017	0961	1853
1061	1179	0853	1729
1102	1168	1099	1765
1106	▫	▫	1978
1114	1021	1211	1778
1115	1216	0932	1973
1120	▫	▫	1937
1123	1128	0853	1728
1134	1158	0932	1657
1140	1017	1140	1657
1141	1054	1361	1927
1172	1149	0761	1938
1220	1238	1352	1778
1300	1078	1099	1965
1304	1078	1304	1678
1305	1184	1304	1987
1306	▫	▫	1837
1311	1216	1211	1621
1312	1181	1324	1621
1332	1021	1211	1778
1334	1181	1324	1621
1335	1181	1324	1638
1342	1058	0933	1658
1346	1247	1346	1758
1351	1019	1352	1817
1352	1258	1352	1952
1355	1186	1346	1858
1362	1239	1361	1826
1366	1215	1276	1836
1375	1131	2675	1739
1430	1019	1211	1820
1501	▫	▫	1947
1514	1181	1324	1974
1521	1020	1600	1779
1532	1020	1850	1819

Isacord	Sulky	Mettler	Madeira
1551	1019	1870	1820
1565	1179	0853	1745
1600	1081	1600	1779
1701	1246	1703	1878
1703	1037	1703	1637
1725	1181	1600	1754
1755	1117	2250	1941
1760	1064	1870	1941
1761	1015	2053	1941
1800	1147	1703	1838
1805	1259	1900	1754
1840	1016	1850	1620
1860	1015	1870	1941
1874	1130	2675	1741
1876	1059	0945	1957
1900	1039	1900	1681
1902	1147	1902	1747
1903	1147	1900	1839
1904	1147	1900	1747
1906	1533	1900	1986
1911	1169	1912	1781
1912	1035	1912	1981
1913	1169	1912	1638
1921	1257	1921	1707
1940	▫	▫	1909
1950	▫	▫	1910
1972	1219	0142	1740
2011	1169	1900	1781
2022	1090	1921	1782
2051	1213	2053	1941
2101	1039	1900	1781
2113	1035	2123	1784
2123	1189	2123	1999
2152	1119	2152	1917
2153	1119	2152	1917
2155	1115	2555	1816
2160	1115	2250	1915
2166	1117	1870	1941
2170	1064	1870	1941
2171	1113	1870	1941

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Isacord	Sulky	Mettler	Madeira
2220	1511	2220	1721
2222	1169	2332	1635
2224	1190	2241	1784
2241	1119	2241	1919
2250	1225	2250	1815
2300	1231	2300	1984
2320	1511	2300	1986
2333	1038	2123	1785
2336	1189	1346	1983
2363	1121	2360	1815
2500	1192	2500	1710
2504	1033	2500	1710
2506	1192	2505	1710
2520	1511	2524	1990
2521	1533	2300	1787
2550	1256	2555	1816
2560	1224	2555	1921
2576	1166	2675	1640
2600	1255	2712	1788
2640	1080	2640	1831
2650	1111	2645	1948
2655	1111	2645	1911
2674	1166	2675	1840
2711	1192	2715	1788
2715	1192	2715	1833
2764	1111	2645	1711
2810	1255	2712	1880
2830	1032	2820	1831
2900	1112	3110	1922
2905	1122	3110	1832
2910	1032	2712	1631
2920	1194	2712	1631
3040	1193	3340	1711
3045	1080	2820	1831
3062	1166	2675	1640
3102	1197	3355	1766
3110	1195	3110	1922
3114	1195	3110	1680
3210	1235	3211	1722
3211	1235	3211	1943

Isacord	Sulky	Mettler	Madeira
3241	1254	3340	1711
3251	1193	3340	1711
3323	1200	3355	1742
3331	1226	3340	1830
3333	1042	3322	1767
3344	1182	0020	4643
3353	1197	3355	1743
3355	1043	3355	1966
3444	1172	3743	1944
3522	1076	3600	1829
3536	1195	3110	1632
3541	1112	3110	1722
3543	1042	3322	1676
3544	1535	3322	1843
3554	1044	3355	1844
3600	1535	3600	1642
3611	1535	3322	1676
3612	1253	3600	1676
3622	1076	3600	1843
3640	1030	3761	1830
3641	1198	3631	1830
3650	1074	3761	1953
3732	1198	3322	1776
3743	1171	3743	1764
3750	1165	3851	1612
3761	1165	3761	1953
3770	1077	3752	1610
3810	1143	3952	1775
3820	1028	3820	1675
3840	1222	3761	1674
3842	1172	3952	1960
3900	1534	3901	1977
3901	1534	3901	1797
3902	1253	3901	1797
3910	1249	3910	1827
3951	1203	3851	1960
3953	1172	3952	1960
3962	1248	3961	1932
3971	1236	0142	1811
4010	1094	3822	1695

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Isacord	Sulky	Mettler	Madeira
4032	1172	3743	1852
4033	1171	3743	1760
4071	1223	3952	1612
4101	1094	4111	1695
4103	1252	3901	1977
4111	1094	4111	1694
4113	1252	4111	1895
4133	1162	3743	1762
5174	1234	4175	1641
4220	1095	4420	1888
4230	1204	4121	1892
4240	1204	4040	1892
4250	1151	5040	1645
4410	1513	4513	1890
4421	1090	4513	1991
4423	1513	4513	1991
4425	1230	4513	1890
4430	1095	4121	1892
4442	1162	4516	1992
4452	1090	4513	1652
4515	1162	4516	1690
4531	1513	3822	1896
4610	1046	5000	1846
4620	1046	4620	1846
4625	1230	4513	1890
4643	1233	4516	1652
4644	1233	4516	1690
5005	1517	5000	1985
5010	1503	5000	1879
5050	1045	5050	1645
5100	1503	5000	1879
5101	1503	5000	1849
5115	1046	5000	1847
5210	1503	5470	1989
5220	1045	5240	1845
5230	1045	5240	1847
5233	1517	4513	1903
5324	1174	5765	1979
5326	1174	5765	1703
5335	1517	5765	1704
5374	1536	0020	1705
5411	1101	5515	1750
5415	1101	5431	1651
5422	1079	5425	1750
5500	▫	▫	1850
5510	1049	5600	1749
5513	1049	5600	1749
5515	1101	5515	1750
5531	1049	5531	1848
5552	1211	5542	1904
5555	1174	5765	1902
5610	1510	5832	1848
5613	1101	5600	1988
5633	1176	5531	1770
5643	1176	5765	1904
5650	1209	5650	1900
5664	1212	5542	1904
5822	1104	5832	1848
5833	1177	5833	1769
5866	1210	0465	1795
5912	1510	5832	1848
5933	1176	5531	1769
5934	1176	5833	1756
5940	▫	▫	1935
5944	1175	5765	1902
6010	▫	▫	1823
6051	1104	5650	1900
6133	1227	0345	1790
6156	1210	0465	1794

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