Arahne Software
Updates 2019

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The updates presented in this brochure were made from March 2018 until December 2019. We have fixed numerous bugs and implemented 464 new features. Only a small selection of new features is presented in this document.

From March 2018 until December 2019, Arahne software covered the following versions:

- ArahWeave: from version 8.3d till 9.1f

- ArahPaint5: from version 5.0.530 till 5.0.1628

- ArahPaint6: version 6.0.1341 till 6.0.1628

- ArahDrape: from version 3.0g to 3.1a

ARAHWEAVE

1. ARAHPAINT AND ARAHWEAVE WORKING HAND IN HAND
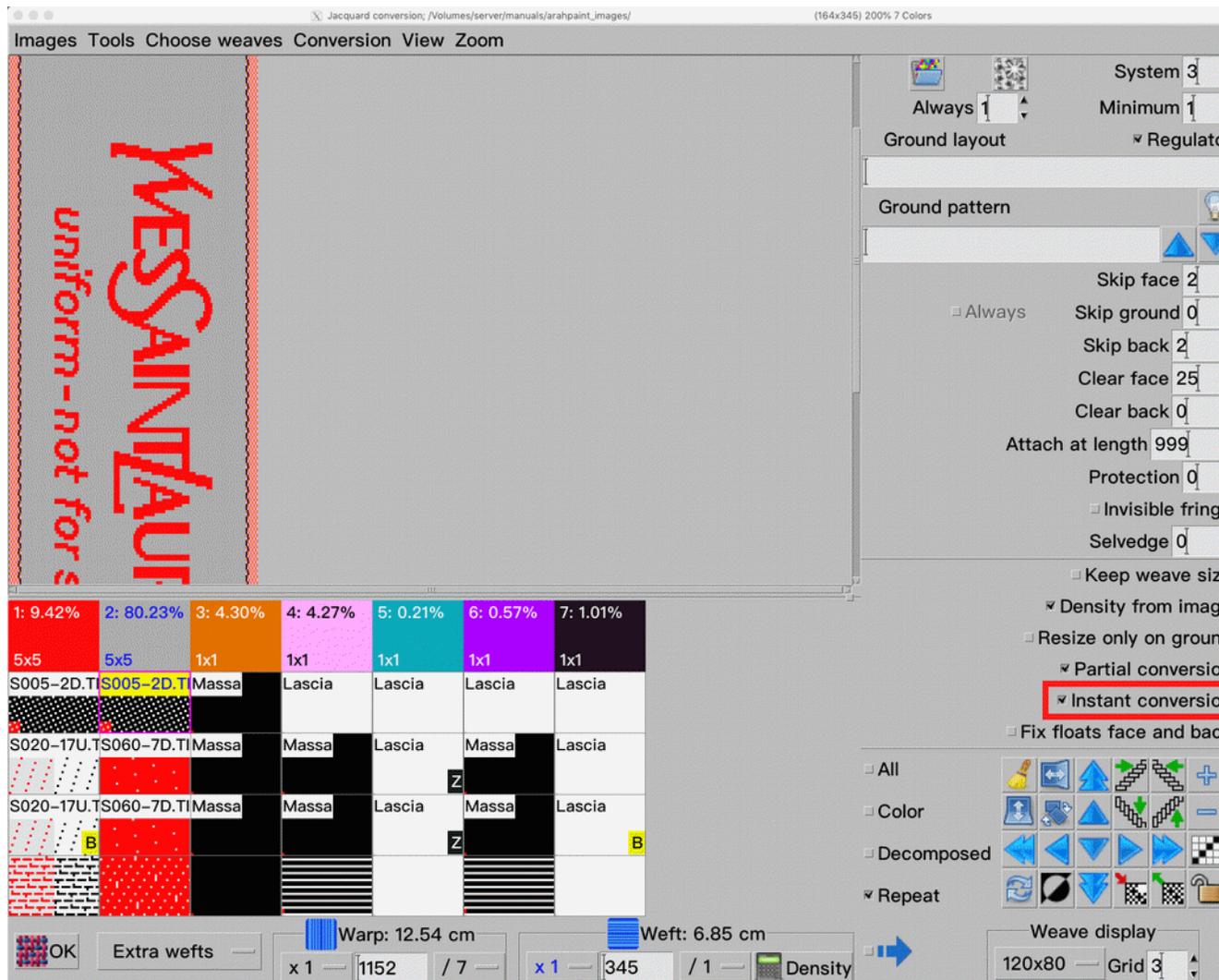
WHAT DOES IT DO?
Use ArahWeave and ArahPaint at the same time, when designing the fabric. While you edit the image in ArahPaint, in ArahWeave Jacquard conversion the changes on the image are saved instantaneously. Consequently, the change on the fabric simulation is also instant.
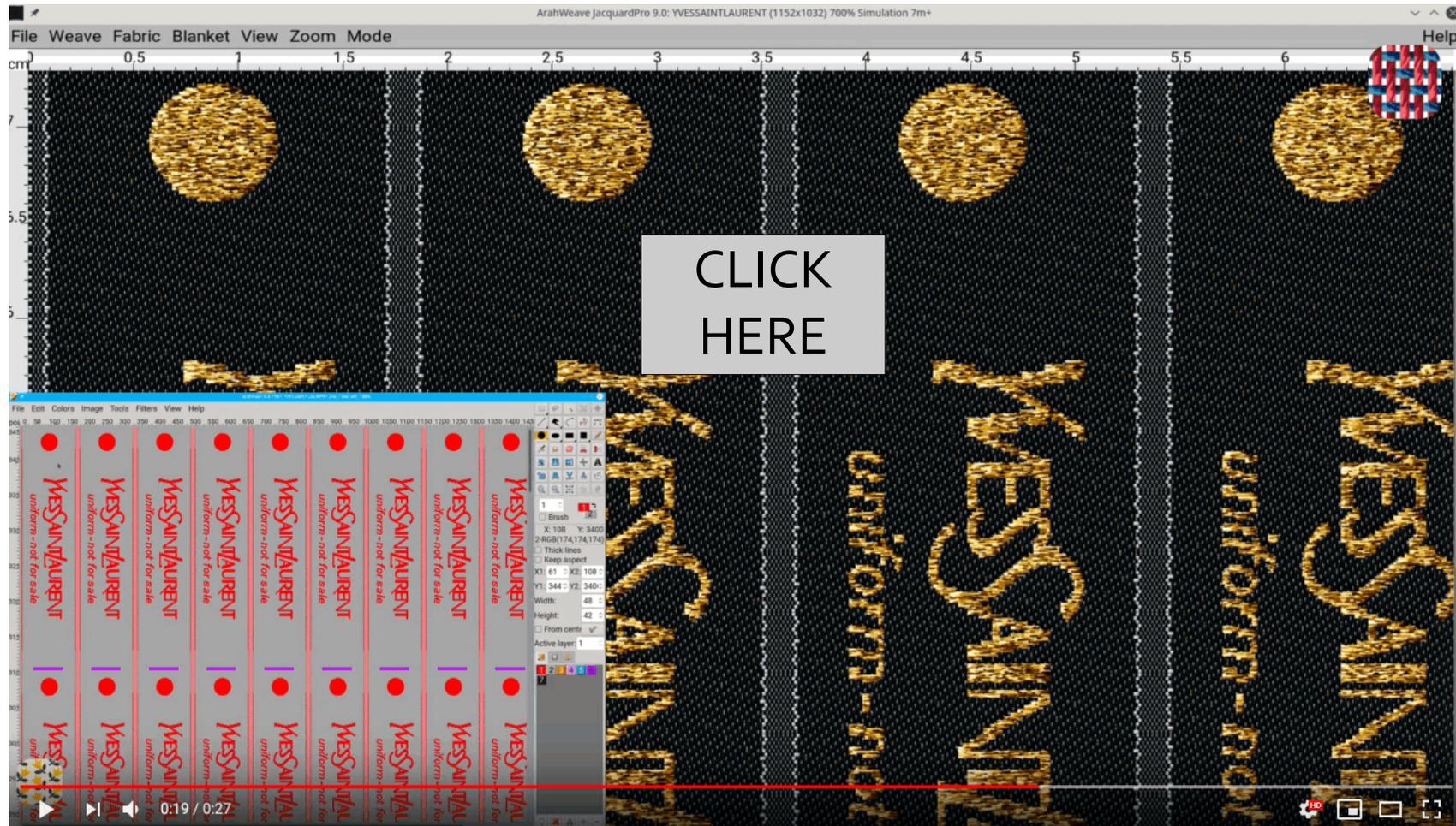
WHERE AND HOW TO USE IT?
Open ArahPaint and load the image, then go to **File** and select **Continuous saving**.

SELECT CONTINUOUS SAVING
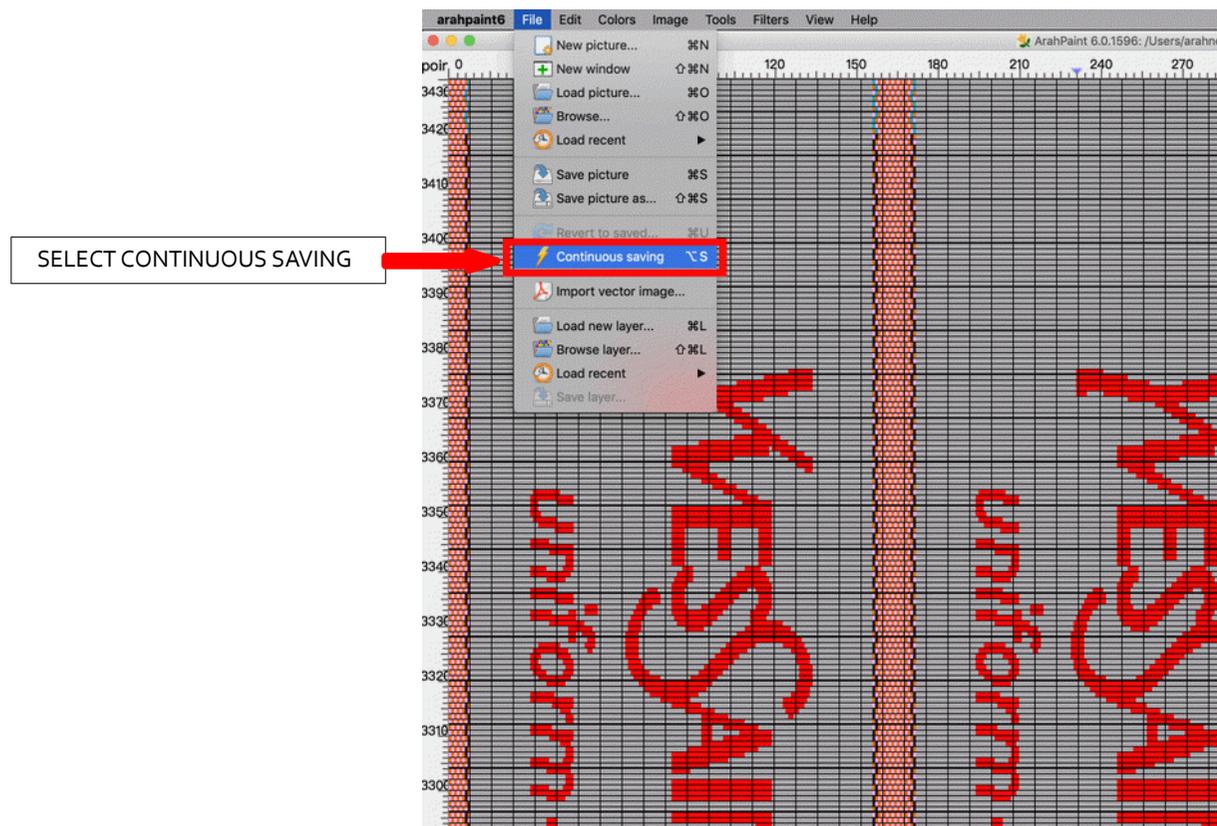
In ArahWeave, go to **Weave > Jacquard conversion** and load the same image (if you want to keep the original photo, we suggest that you save the image on which you will make the changes, under a new name) and make sure **Instant conversion** is checked.

Edit image in ArahPaint and at the same time observe the changes on the fabric simulation:

Fabric design by FGF Labels
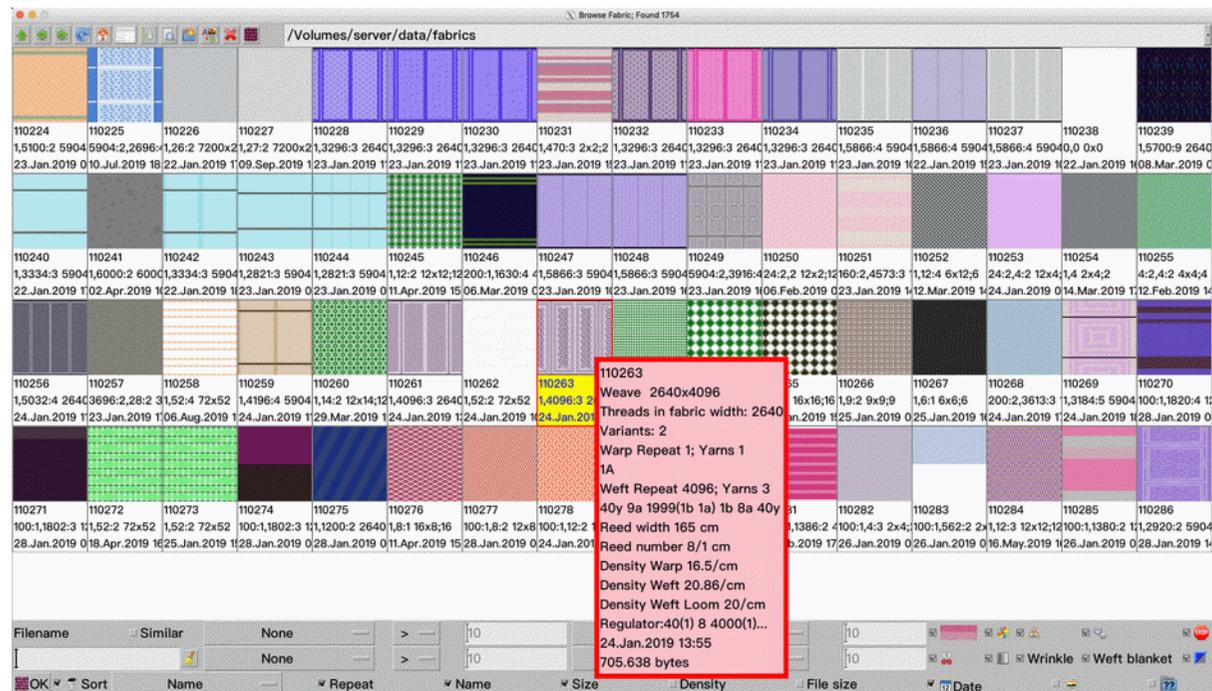
2. SEARCH FABRIC BY ITS ADDITIONAL PROPERTIES

WHAT DOES IT DO?
In Browse window you can see and search the fabric by additional fabric properties, such as: weft loom density, reed width and reed number.

WHERE AND HOW TO USE IT?
Go to **File > Browse**, select a fabric and hoover the mouse above it to show the fabric properties. Or go to List view and see the fabric properties next to the fabric name.

BROWSE WINDOW

LIST VIEW

3. SHOW WEAVES WITH EQUAL DRAFTING

WHAT DOES IT DO?
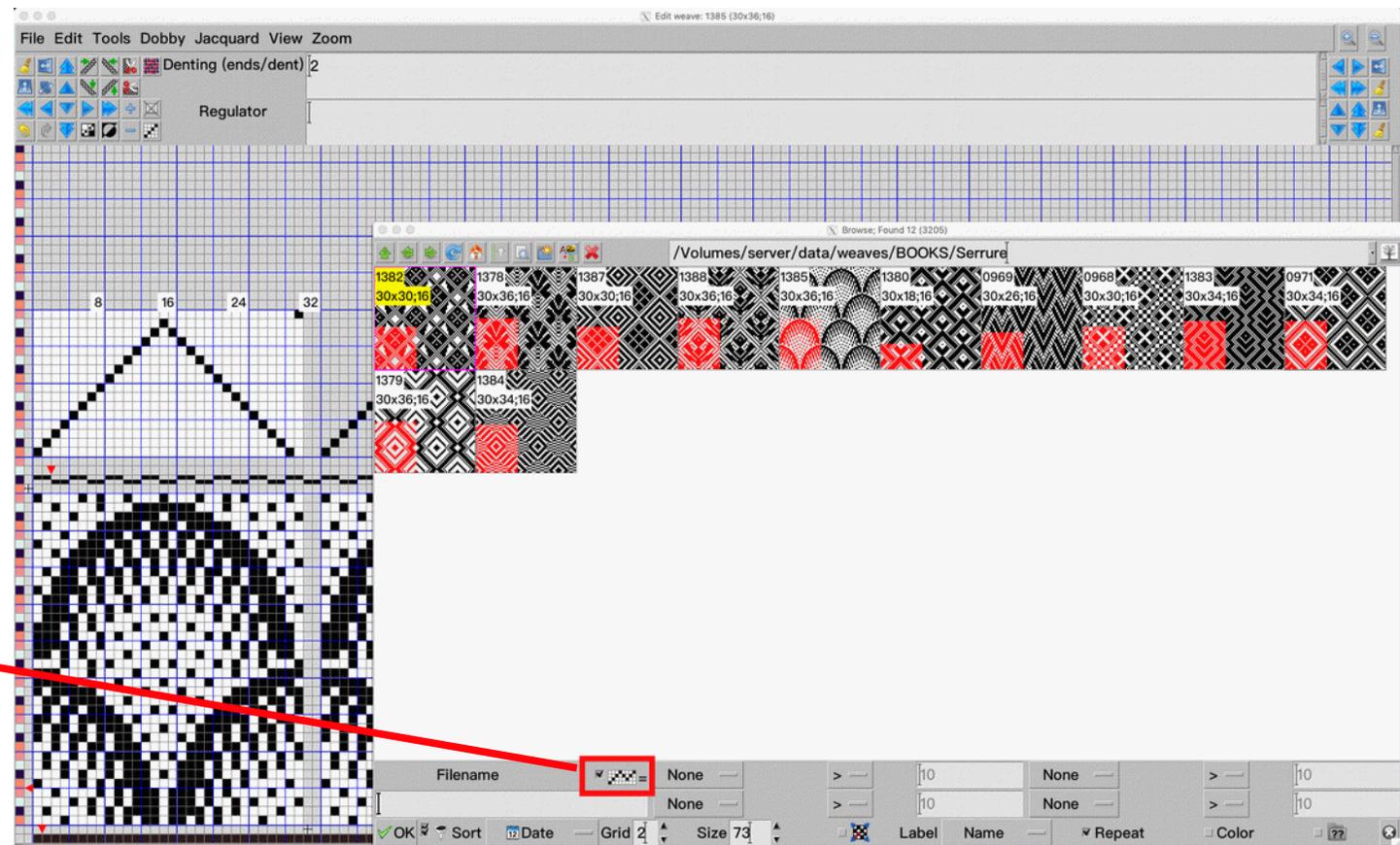New filter in weave browser shows you the weaves with equal drafting to the weave in Weave editor.

WHERE?
In **Weave editor,** go to **File > Browse.**

HOW TO USE IT?
In Weave browser open the directory with weaves and select **Equal drafting**. Weave browser will show all the weaves that have equal drafting to the weave in the Weave editor window.

SELECT EQUAL DRAFTING

4. SHOW WEAVES WITH EQUAL NUMBER OF SHAFTS

WHAT DOES IT DO?
New filter in Dobby card browser allows you to search for weaves with equal number of shafts to the weave in Weave editor.
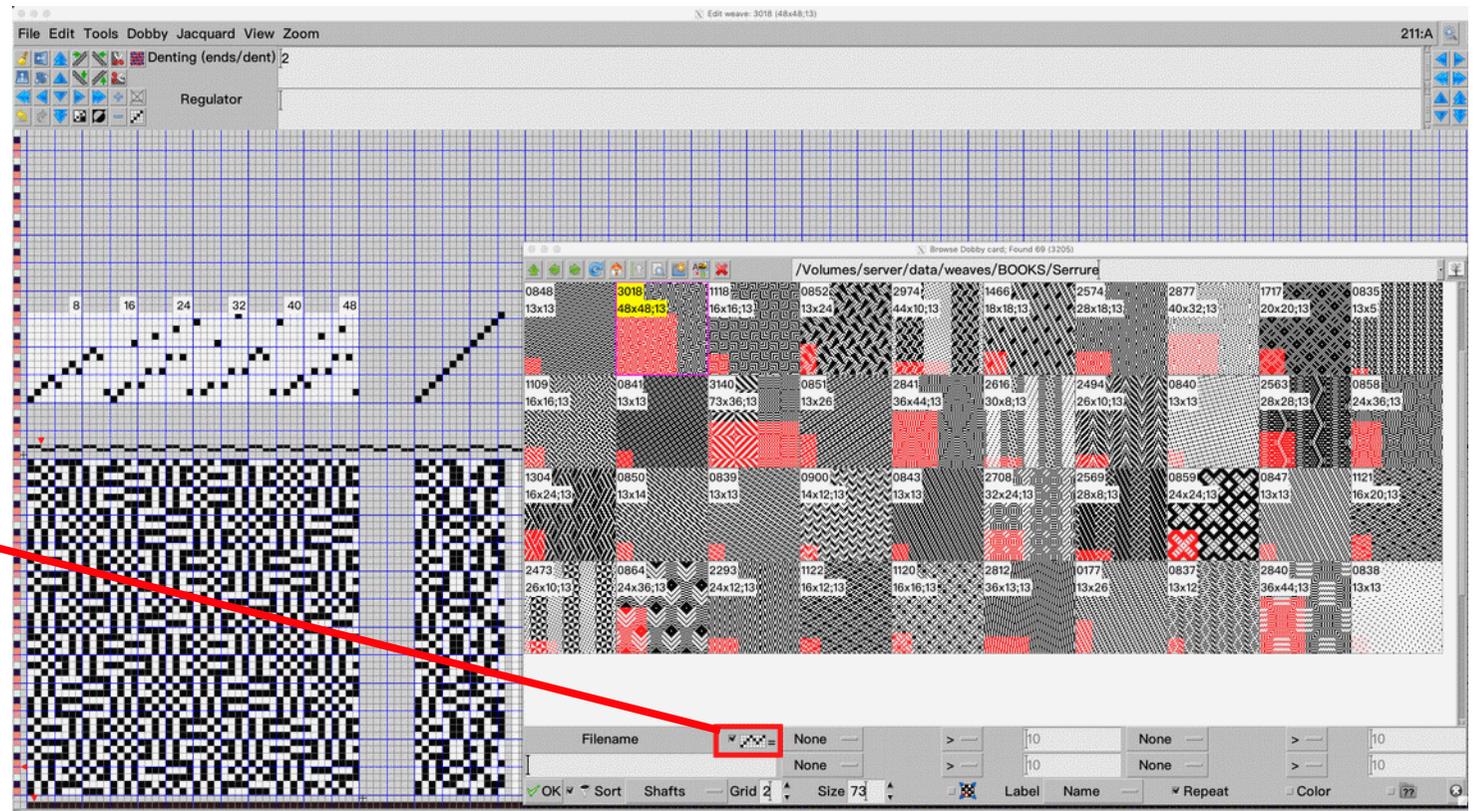
WHERE?
In **Weave editor,** go to **File > Load dobby card.**

HOW TO USE IT?
In Dobby card browser open the directory with weaves and select **Equal shafts**. Dobby card browser will show all the weaves that have equal number of shafts to the weave in the Weave editor window.
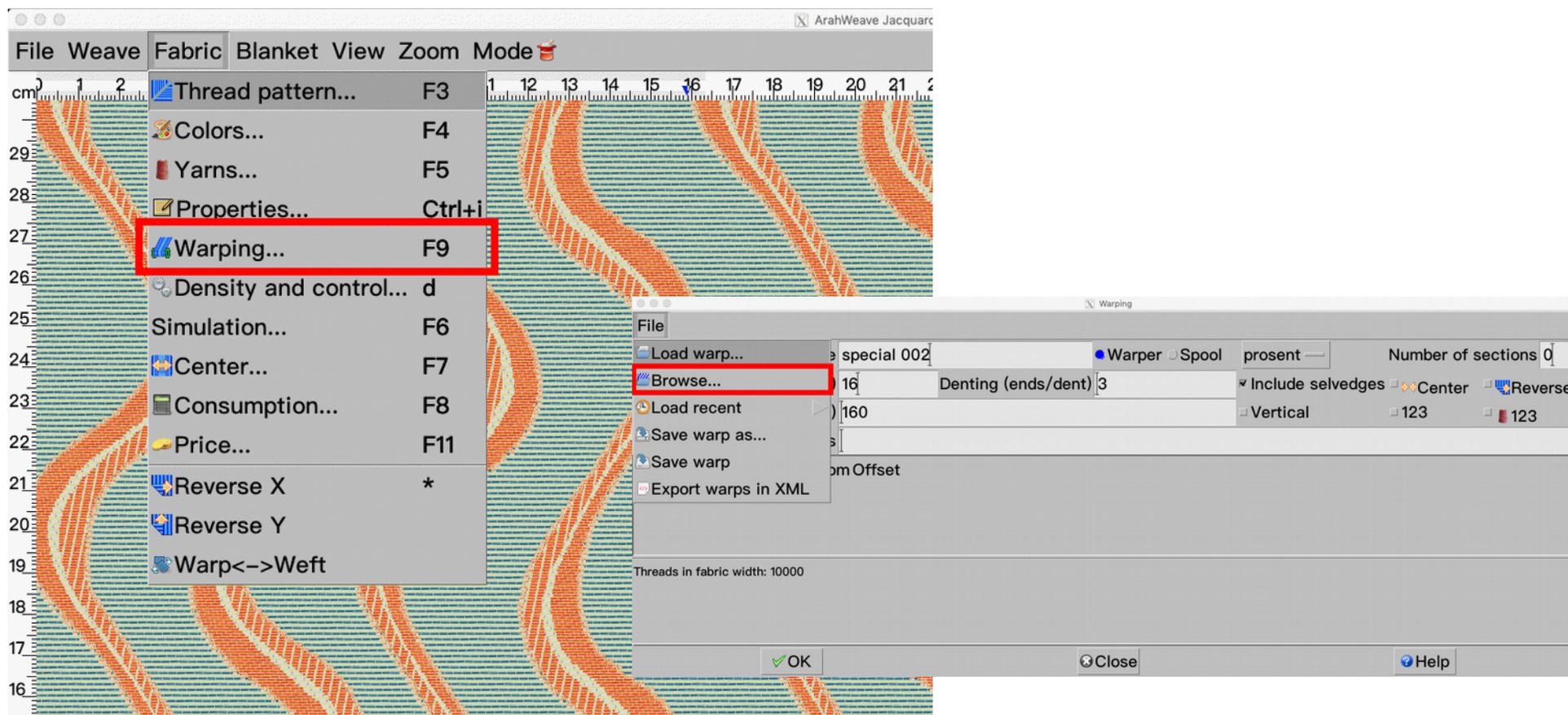

SELECT EQUAL SHAFTS

5. EASY CHANGE THE WARPING ON FABRIC SIMULATION

WHAT DOES IT DO?
You can apply the warping from another fabric to a currently loaded fabric in ArahWeave.

WHERE?
Go to **Fabric > Warping,** in Warping window open **File > Browse**.

Fabric design by Lanificio di Sordevolo

HOW TO USE IT?

First save the warping of a fabric simulation you want to use: Load the fabric simulation in ArahWeave and go to **File > Warping, Save as…**and store it under **data/warp**. After the warp is saved, its icon, warp thread number, number of threads in one repeat and number of threads used, will be displayed in Warp browser below the icon:
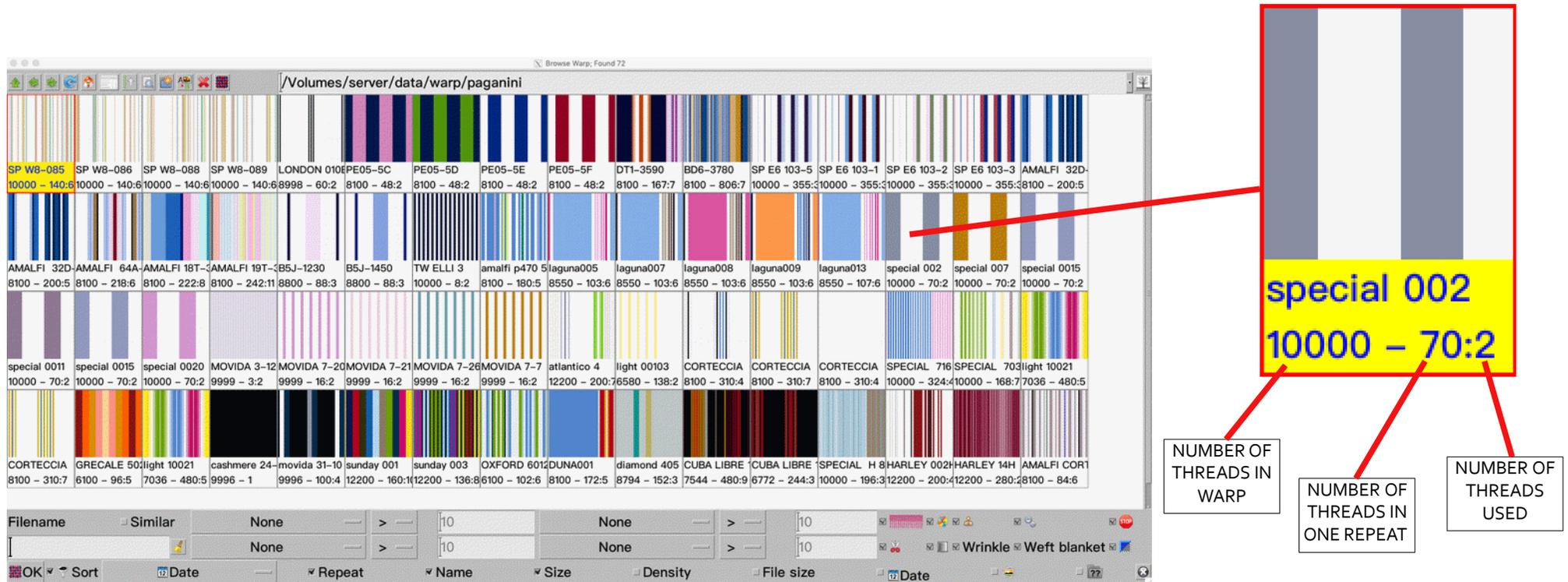
special 002
10000 – 70:2

NUMBER OF THREADS IN WARP

NUMBER OF THREADS IN ONE REPEAT

NUMBER OF THREADS USED

Double click on the warp icon to load it on the fabric simulation currently loaded in ArahWeave. The fabric warp technical data will change according to the loaded warping:

6. INSERT WEFT AND WARP WASTE AS FIXED LENGTH

WHAT DOES IT DO?
You can insert fixed length for warp and weft waste, instead of percentage, if you like.

WHERE?
Go to **Fabric > Consumption, Waste warp** and **Waste weft.**

HOW TO USE IT?
In the second column insert the **Waste warp** in meters and **Waste weft** in centimeters.

7. IMPORT YARN PARAMETERS FROM THE ERP

WHAT DOES IT DO?
ArahWeave can import yarn, yarn colors and yarn availability from the ERP.

WHERE AND HOW TO USE IT?
Insert the yarn xml file in **data/xml** directory. Set the **Expert** mode. Save the default directory in the software, import the xml file, in Yarn editor windows go to **File> Browse yarns**.

Fabric design by Lanificio di Sordevolo

8. IMPORT YARN STOCK LOCATION BY XML IMPORT

WHAT DOES IT DO?
Software shows you the location of the yarn stock.

WHERE AND HOW TO USE IT?
Insert the yarn xml file in **data/xml** directory. Go to **Fabric > Yarn > Browse yarn**. Select the yarn and click on the **Location** icon to show the location of the yarn stock.

CLICK ON THE LOCATION ICON

9.DISABLE TIE-UP PRINTING

WHAT DOES IT DO?
When printing the weave, tie-up can be disabled, so that in production they do not confuse it with drafting.

WHERE AND HOW TO USE IT?
In **Weave editor** go to **File > Print weave** and uncheck **Tie-up**.
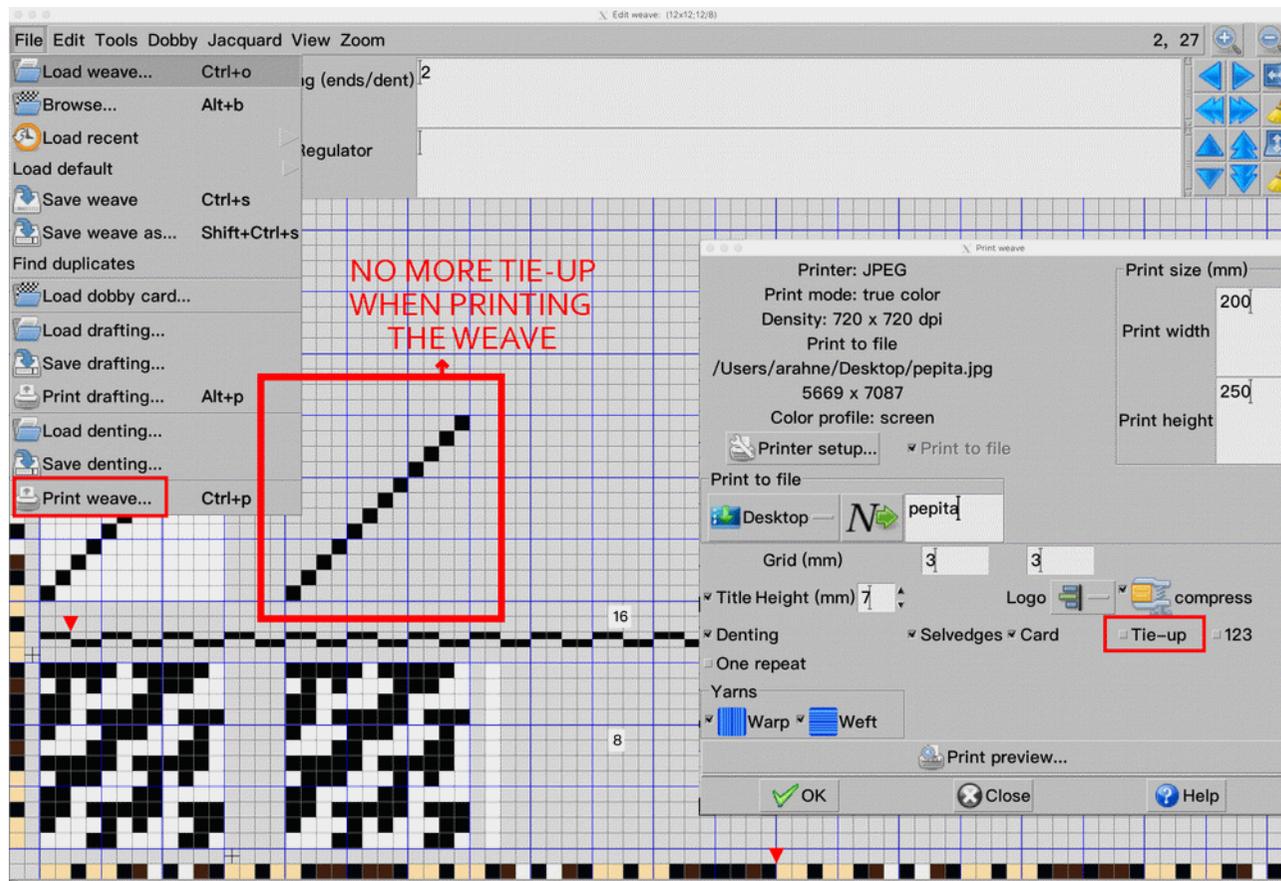
10. SUPERIMPOSE WEAVE

WHAT DOES IT DO?
You can create intereseting weaves by superimposing one weave or several weaves on top of the other.

WHERE?
In **Weave editor** window, go to **File > Superimpose weave**.

HOW TO USE IT?
In Weave editor window insert or draw a weave and then open **Superimpose weave** and load another weave to superimpose it on the existing weave. You can superimpose as many weaves as you want. In the end the weave will be enlarged by multiplying the size of weave in weave editor window with the size of the superimposed weave.

For example, we will make a weave from the three weaves below and in the end we will get an interesting weave of size 40x40.
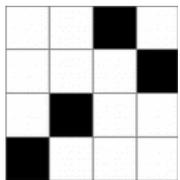
WEAVE 1 (4x4)   WEAVE 2 (5x5)   WEAVE 3 (8x8)

Size: 4x5=20

Size: 5x8=40

11. POLISH AND FINNISH TRANSLATION OF QUICK START INSTRUCTIONS

Dobby and Jacquard Quick Start Instructions are now translated into Polish and Finnish language.

POLISH

FINNISH

ArahWeave® Dobby — Wprowadzenie

Quick Dobby

ArahWeave® Dobby Pika-ohje

Quick Dobby

ArahWeave® Żakard — Wprowadzenie

Quick Jacquard

ArahWeave® Jacquard Pika-ohje

Quick Jacquard

12. TRANSLATION OF MANUAL INTO SIMPLIFIED AND TRADITIONAL CHINESE

ArahWeave manual is translated into Simplified and Traditional Chinese. Simplified Chinese is used in mainland China, whereas Traditional Chinese is used in Taiwan, Hong Kong and Macao.

SIMPLIFIED CHINESE

TRADITIONAL CHINESE

CLICK HERE

ArahWeave® 8

用户手册

CLICK HERE

ArahWeave® 8

用戶手冊

13. CUT AND PASTE OF VERTICAL WARP/WEFTS PATTERN

WHAT DOES IT DO?
Copy and paste the vertical warp/weft pattern from spreadsheet.

WHERE?
Go to **Fabric > Thread Pattern**.
HOW TO USE IT?
Select and copy (**CTRL+C**) the warp/weft pattern from the spreadsheet and paste it with **CTRL + V** into the **Thread pattern window.**
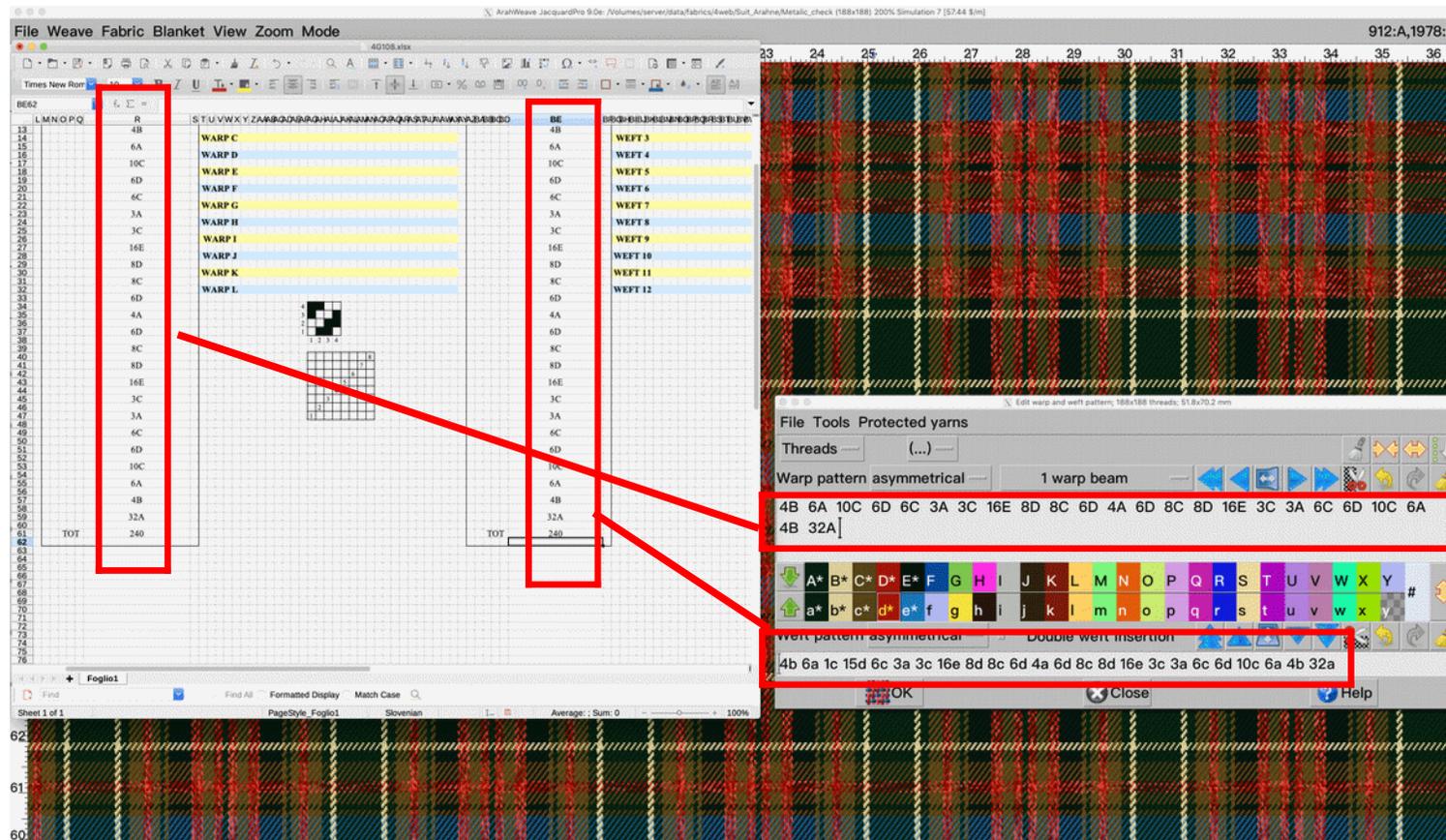
14. READING/WRITING OF ACT .WJL DOBBY FILES

WHAT DOES IT DO?
ArahWeave reads/writes Act (Action mechanical&electrical technology Co. Ltd.) .WJL dobby files.

HOW TO USE IT?
In weave editor go to **File > Load dobby cards**, search for the .WJL extension file and load it.
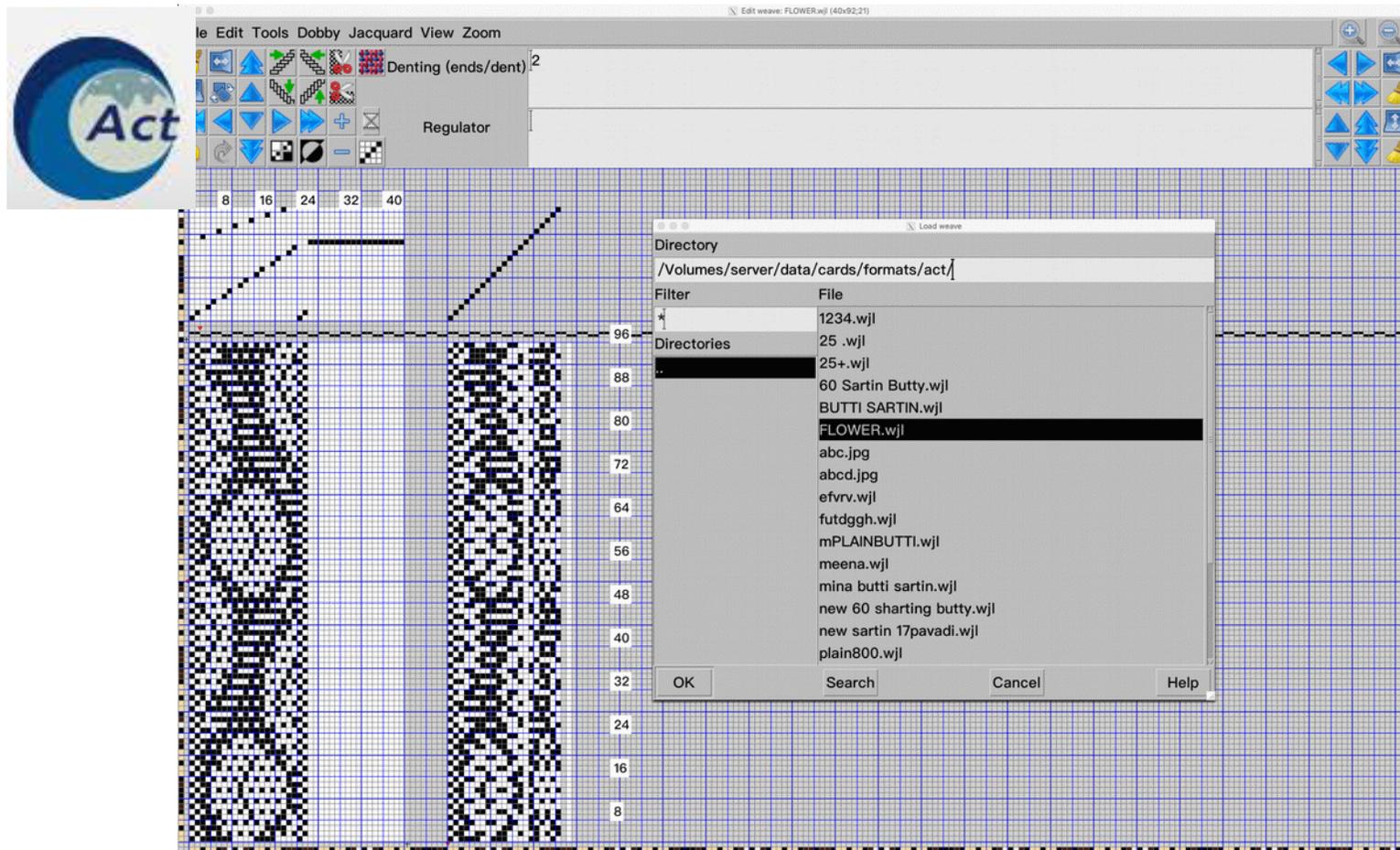
15. SUPPORT FOR TSUDAKOMA DOBBY LOOM

WHAT DOES IT DO?
ArahWeave supports reading and writing Tsudakoma. DP5 loom format, so you can save the fabric designed in ArahWeave in Tsudakoma .DP5 format and load it onto Tsudakoma loom to weave it.

WHERE AND HOW TO USE IT?
Go to **Weave > Save cards for production**, select **Format: Tsudakoma .DP5**.
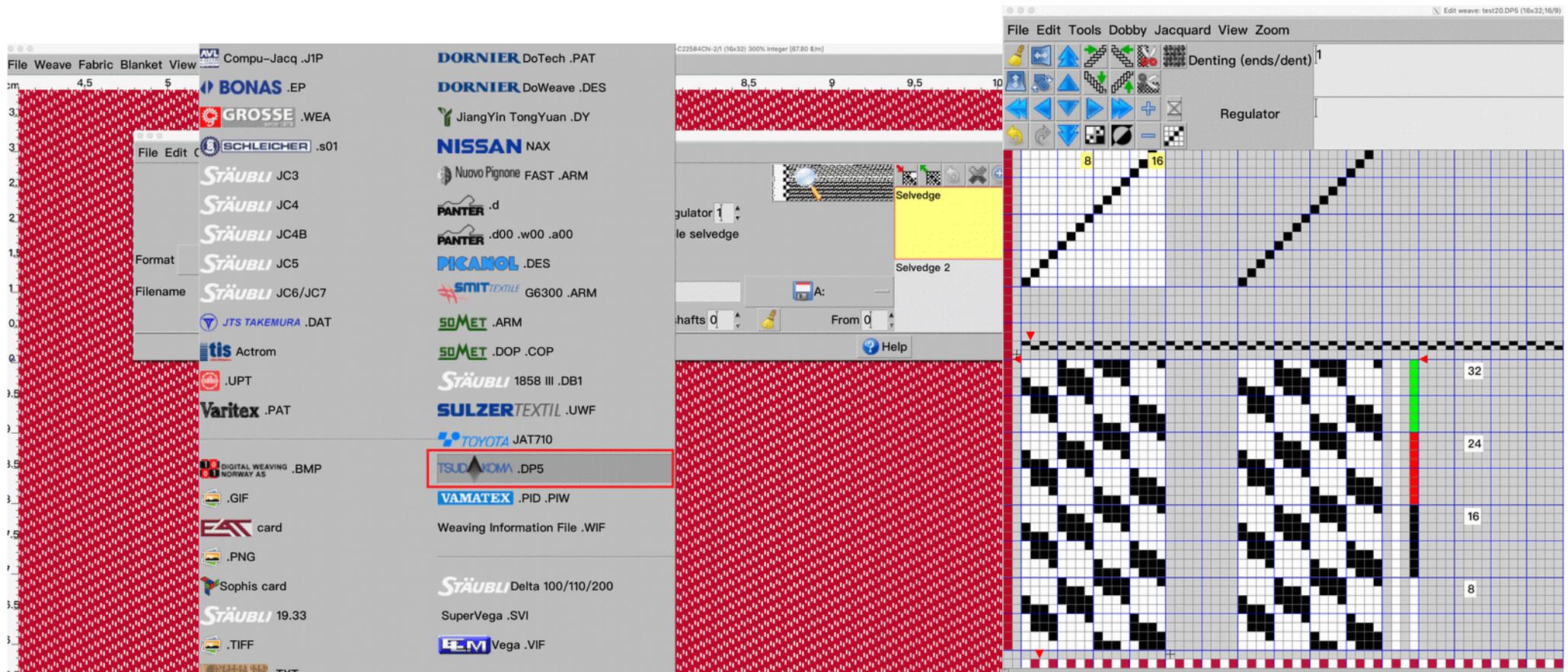
16. STÄUBLI DELTA DRAWING-IN MACHINE SUPPORTED

WHAT DOES IT DO?
ArahWeave supports Stäubli Delta 100/110/200 drawing-in machine.

WHERE AND HOW TO USE IT?
Go to **Weave > Save cards for production** and select format **Stäubli Delta.** Set the parameters and save the file.

CHOOSE THE FORMAT

SET THE PARAMETERS AND SAVE THE FILE

17. INCREASE VALUE BY 10

WHAT DOES IT DO?
When increasing or decreasing the value in numeric fields, the value changes by 10 instead of one.

WHERE?
In every numeric field.
HOW TO USE IT?
In any numeric field use **wheel mouse and CTRL** and the value will increase or decrease by 10.

18. INCREASE SIZES OF FONT AND ICONS

WHAT DOES IT DO?
Increase the size of screen font, HTML font and icons and interface elements such as ruler, scrollbars, toggle button, etc. Useful when using HIGH – Dpi monitors (4K or 5K), where icons appear very small.

WHERE AND HOW TO USE IT?
Go to **Help > Save setup**, click on **Appearance** tab and set:

- Font (screen)

- Size list HTML

- Interface zoom

- Icon zoom
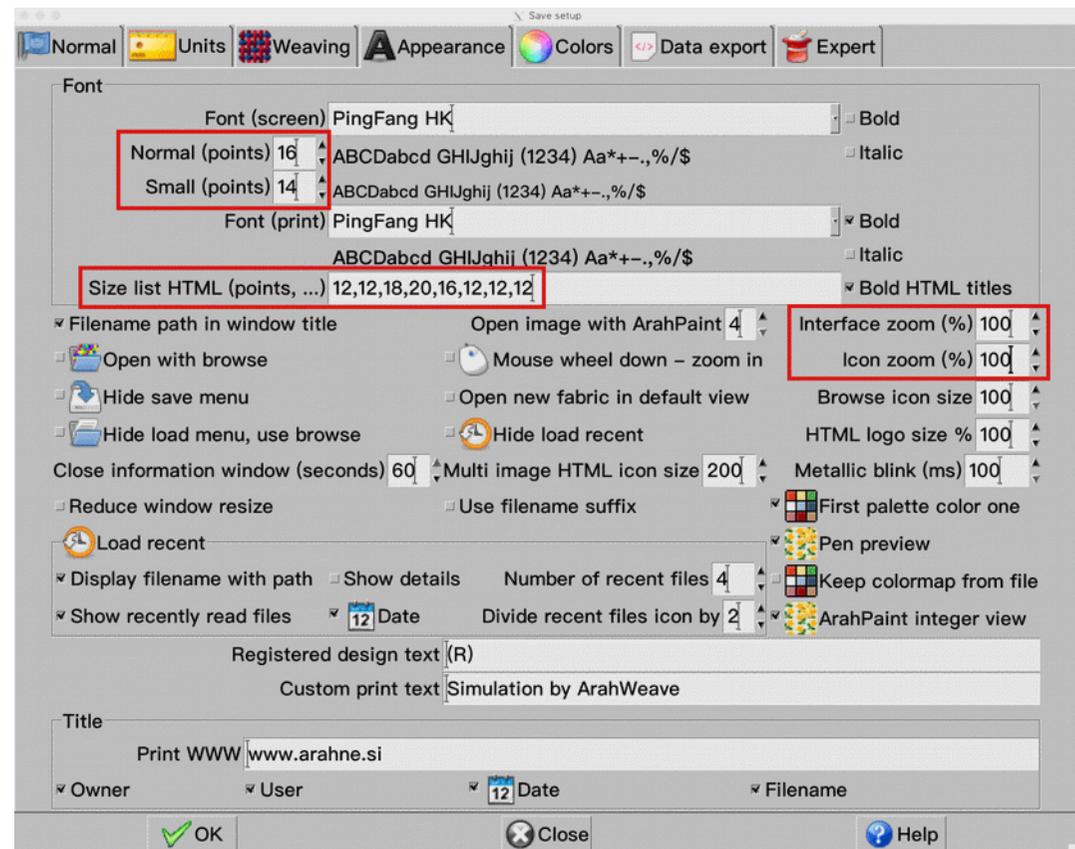
19. COPY/PASTE YARN COUNT ON VARIANTS

WHAT DOES IT DO?
Copy/paste the yarn count from one variant to all of the variants in just one click instead of changing the yarn count on each variant yarn separately.

WHERE?
Go to **Blanket > Variants**.

Fabric design by Randa
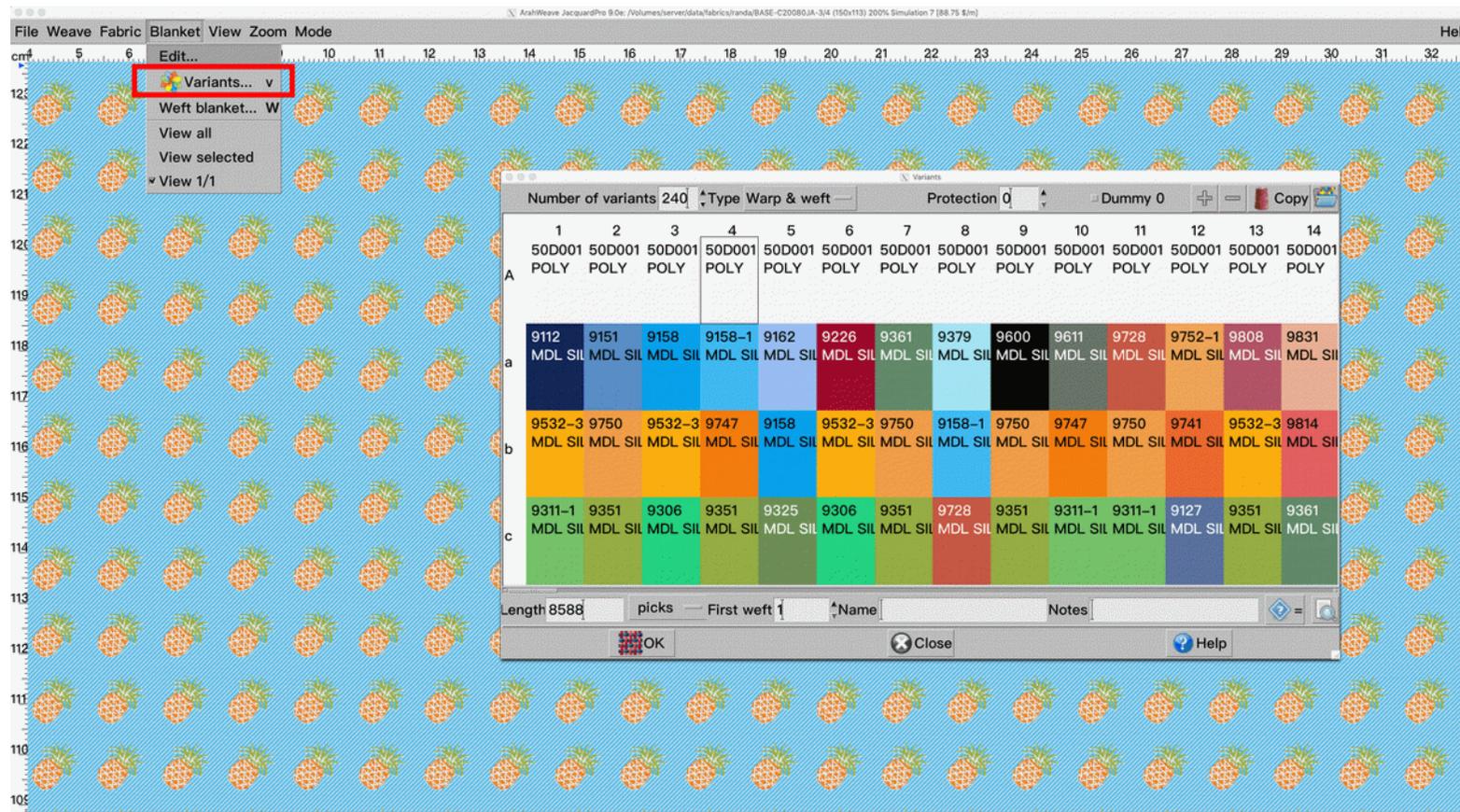
HOW TO USE IT?

On the variant select the warp or weft, on which you changed the yarn count. Then click copy. The selected weft or warp yarn count will be copied on all the other variants.

1. SELECT THE WARP OR WEFT YARN ON ANY VARIANT

2. CHANGE YARN COUNT

3. CLICK COPY

20. NEW FUNCTIONS IN VARIANTS

WHAT DOES IT DO?
Delete or insert variant: Use keyboard to delete or insert the variant.
Search for duplicates: finds variants that are identical, making sure variants are not duplicated.

WHERE?
Go to **Blanket > Variants**.

Fabric design by Randa

HOW TO USE IT?
First select the whole variant and then do one of the following actions:
Delete or insert variant: Select the whole variant and press **<Del> key** on keyboard (on Mac OSX press **<Backspace>** key) to delete it.
Press **<Ins>** key on keyboard to insert new variant. You can also use icons **<+>** to insert or **<->** to delete the variant.

Search for duplicates: Click on the **Search duplicates** icon and you will receive the notification if any variants are duplicated.

CLICK ON + TO ADD OR — TO DELETE A VARIANT

SELECT THE WHOLE VARIANT

DELETE VARIANT

INSERT VARIANT

SEARCH FOR DUPLICATES

21. TOTAL NUMBER OF VARIANTS DISPLAYED IN BROWSER

WHAT DOES IT DO?
Displays the total number of variants in selected fabric folder.

WHERE?
In **Fabric browser window title bar**.

HOW TO USE IT?
Check the **Variant filter** and select a folder with fabrics.
The total number of variants is displayed on the title bar.

NUMBER OF FABRICS WITH VARIANTS

TOTAL NUMBER OF FABRICS

TOTAL NUMBER OF VARIANTS

Browse Fabric Found 28115 (29332) 1.253.064 variants

CHECK VARIANT FILTER
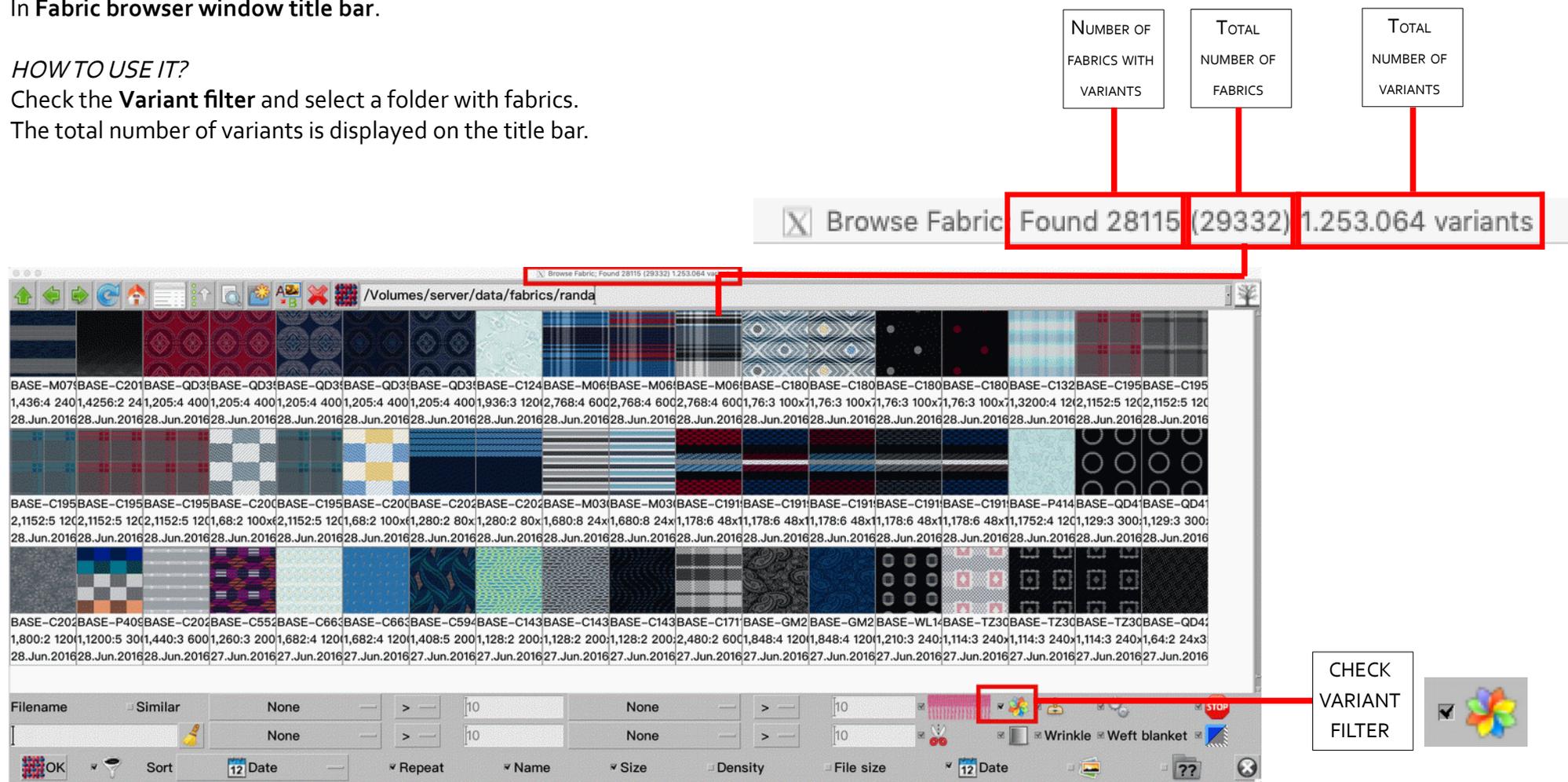
22. LOAD VARIANTS FROM ANOTHER FABRIC

WHAT DOES IT DO?
When working with variants, you can load already existing variants from another fabric.

WHERE?
Go to **Blanket > Variants** to open Variants window.

FABRIC A, INTO WHICH WE WANT TO LOAD VARIANTS FROM FABRIC B

Fabric design by Randa
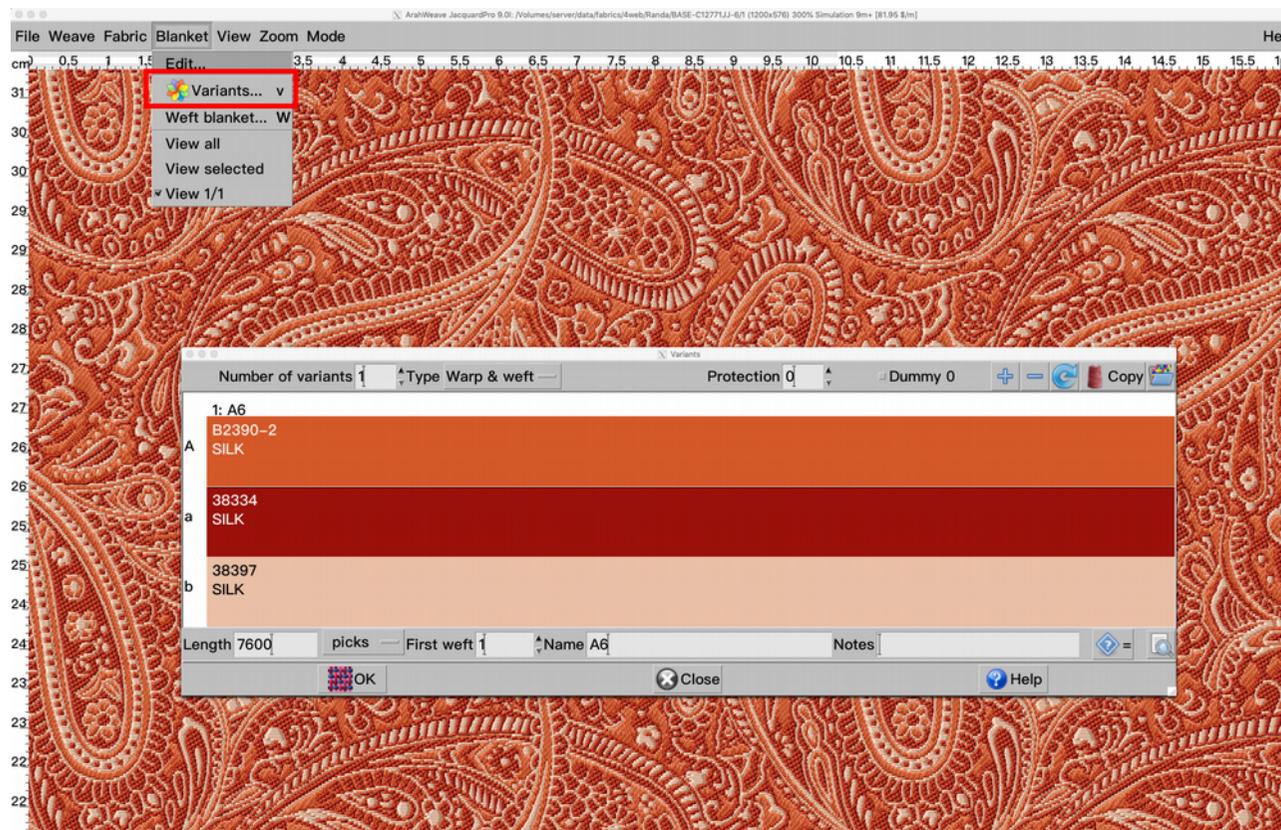
HOW TO USE IT?

Click on the **Browse icon** and double-click on the fabric, from which you want to load the variants. All of the variants of the selected fabric will be loaded into the fabric currently loaded in ArahWeave.

OPEN BROWSER WINDOW
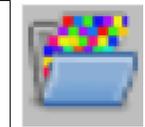
DOUBLE CLICK ON THE **FABRIC B**, FROM WHICH YOU WANT TO LOAD THE VARIANTS
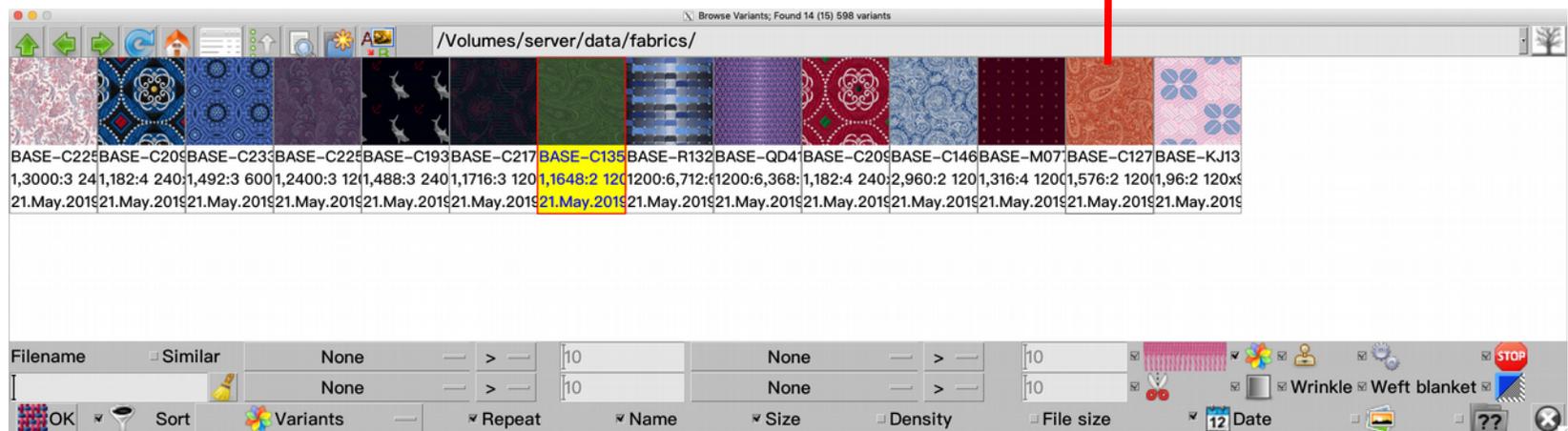
VARIANTS FROM FABRIC B ARE LOADED INTO FABRIC A

Fabric design by Randa

23. PANTONE METALLIC COLORS

WHAT DOES IT DO?
You can use metallic colors for yarns.

WHERE?
Go to **Fabric > Colors**.

HOW TO USE IT?
Open **File > Load colors** and load the **Pantone FHI Metallic Shimmers.col**
to open the metallic colors palette in Edit color window.
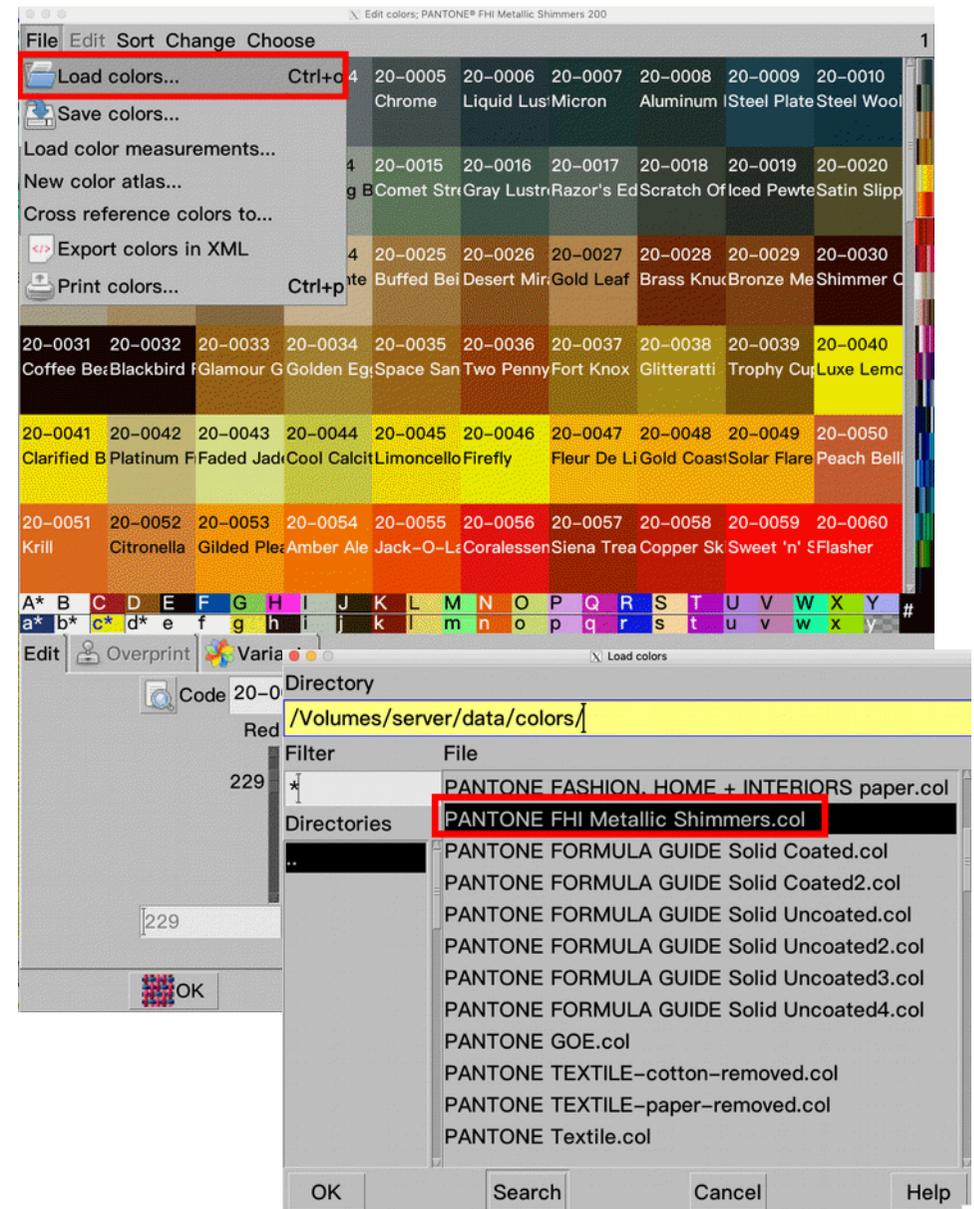
TIP FOR CREATING METALLIC YARN SIMULATION

Go to **Fabric > Yarns** and click on the **Metallic** tab. Select the yarn with the metallic color and set the parameters for metallic yarn simulation.

Fabric design by Danzo
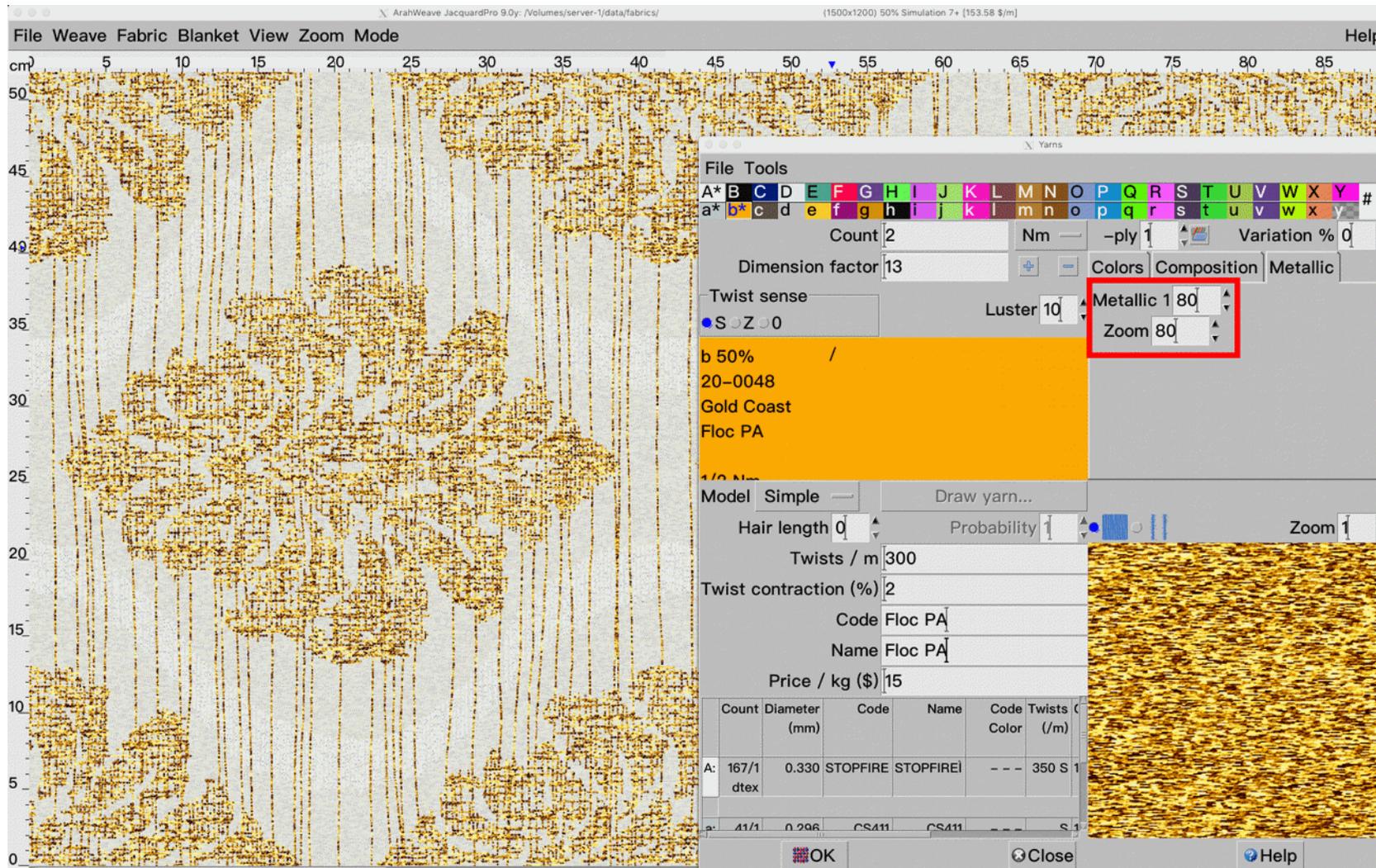
24. ADOBE PHOTOSHOP COLOR SWATCH .ACO SUPPORTED

WHAT DOES IT DO?
Adobe Photoshop. ACO format color palette can be used in ArahWeave.

WHERE AND HOW TO USE IT?
Go to **Fabric > Colors**, then **File > Load colors**, search for the .aco color palette and load it.
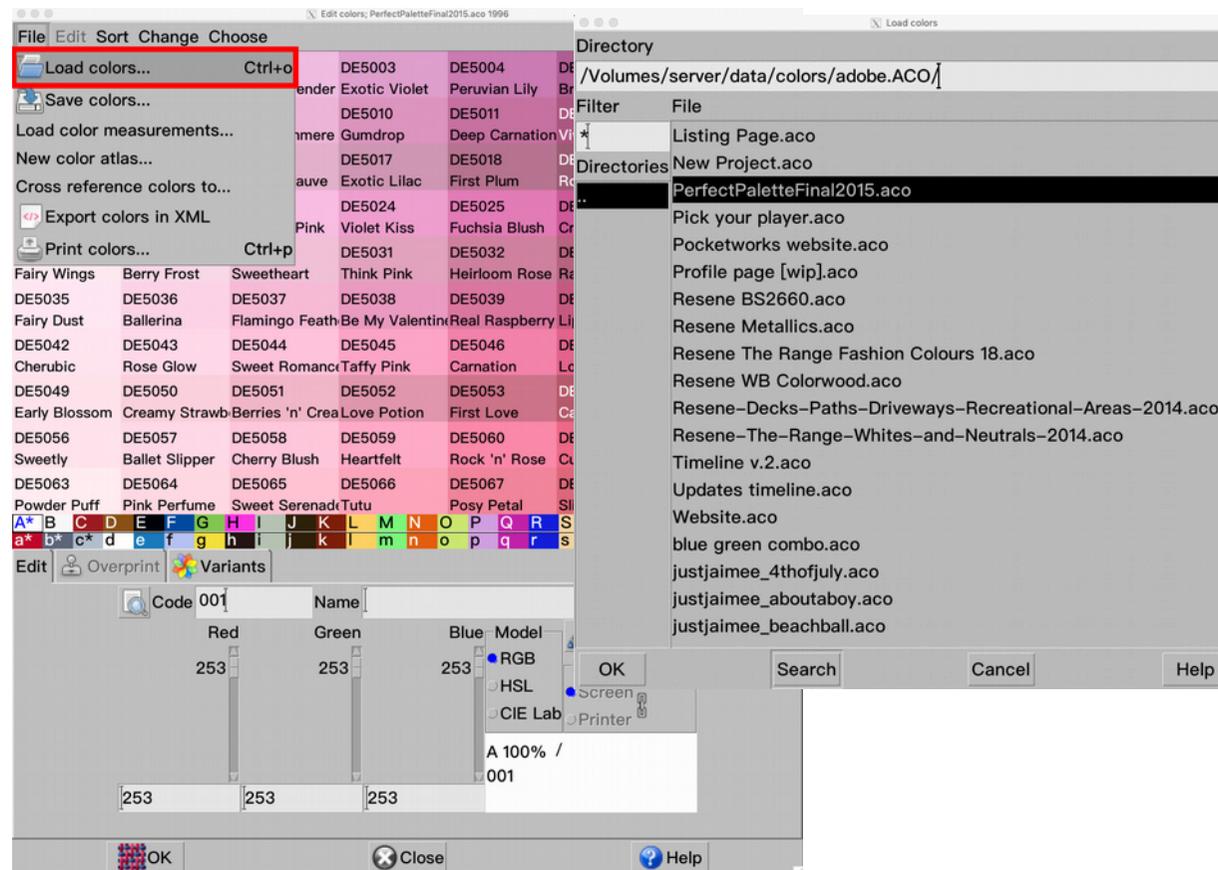
25. IMPROVED SIMULATION HIGH QUALITY 2

WHAT DOES IT DO?
When the number of extra weft threads on the fabric simulation is very high, the extra wefts will be seen through the surface. The new function, High quality 2, allows you to hide the extra wefts behind the top threads.

WHERE AND HOW TO USE IT?
Set the **Mode** to **Expert**, go to **View** and select **High Quality 2**.

Fabric design by Randa
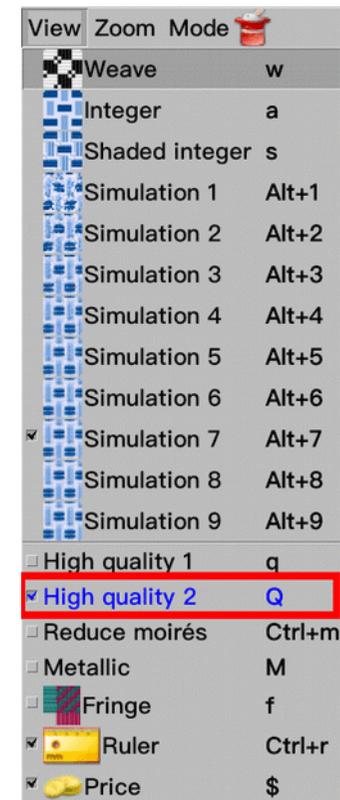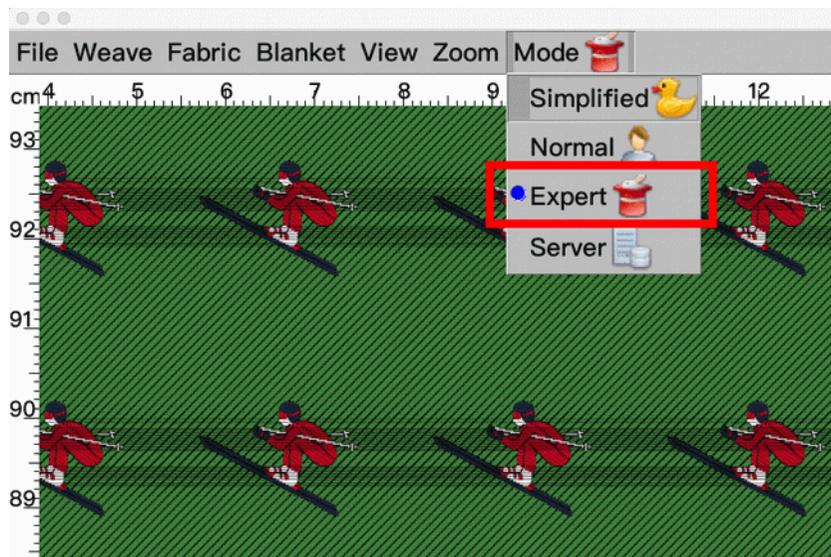
NORMAL SIMULATION
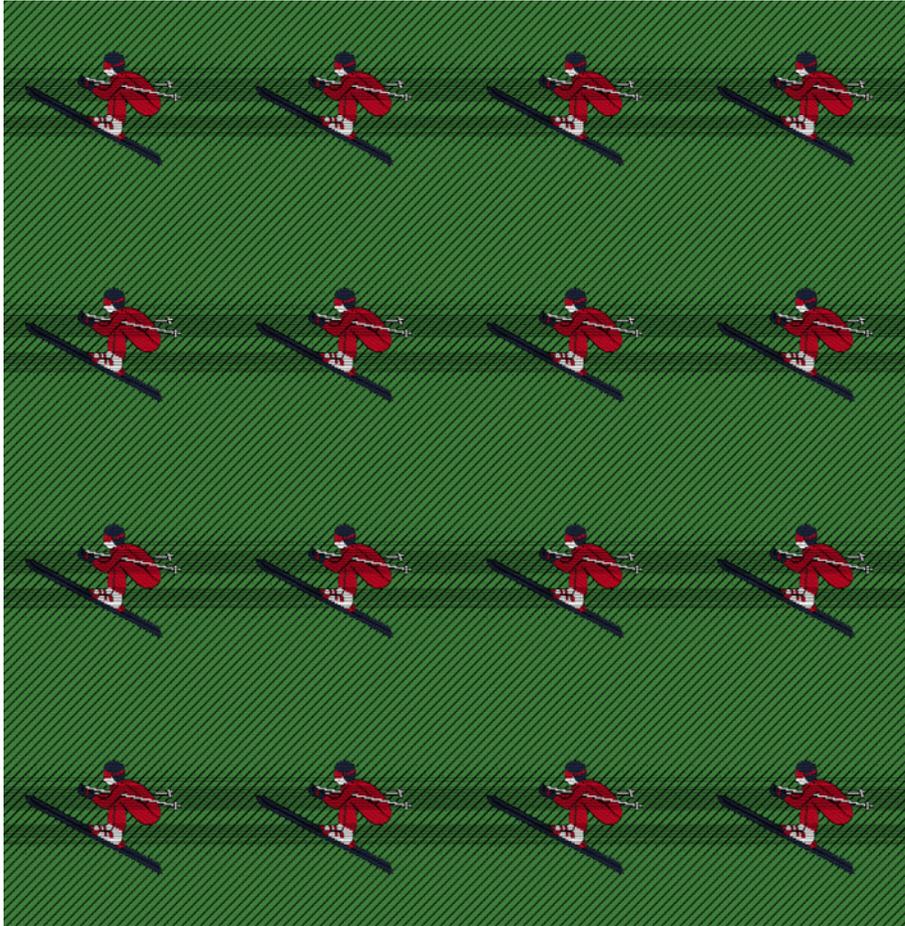
HIGH QUALITY 2 SIMULATION
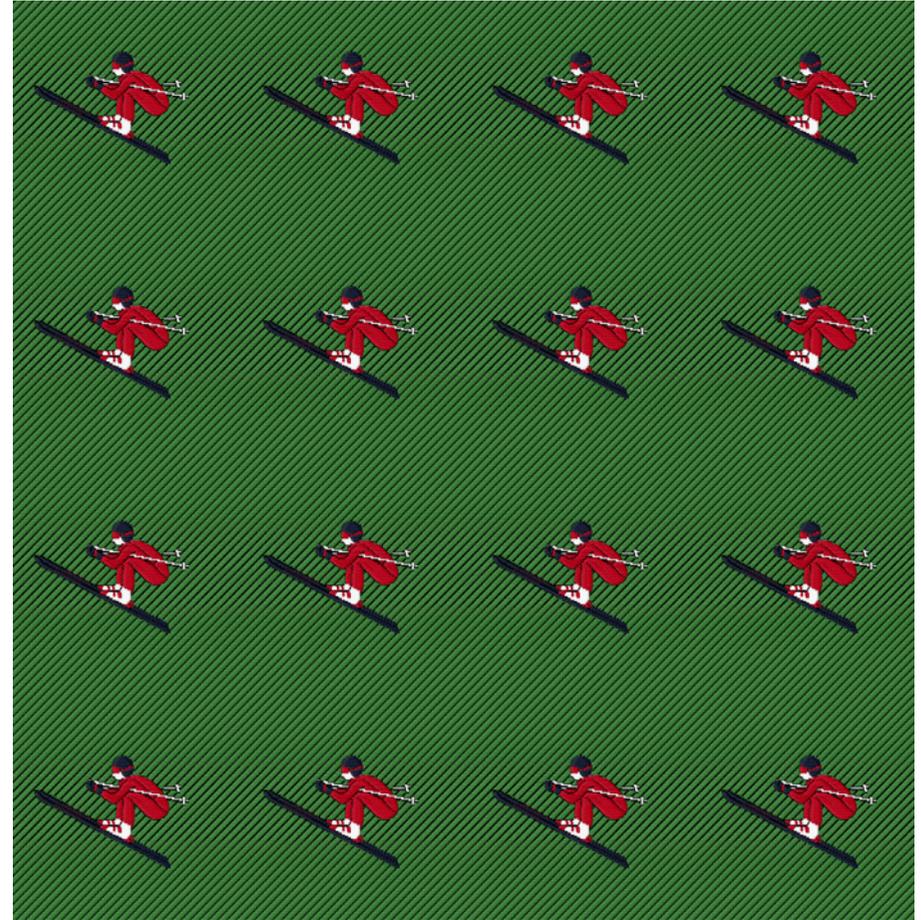
26. QUALITY CONTROL WHILE SAVING JACQUARD CARDS

WHAT DOES IT DO?
When saving jacquard cards, program warns you, if the limit for warp lifting and warp consumption variation is higher than set. By using this funciton, you can fix the problem, before the production of the fabric.

WHERE AND HOW TO USE IT?
To set the limit for warning go to **Help > Save setup, Weaving** tab. Set the limit for warning in **Warn weave lifting above %** and **Warn consumption variation above %**. Leave the percentage to 100% if you do not want to receive any warning.
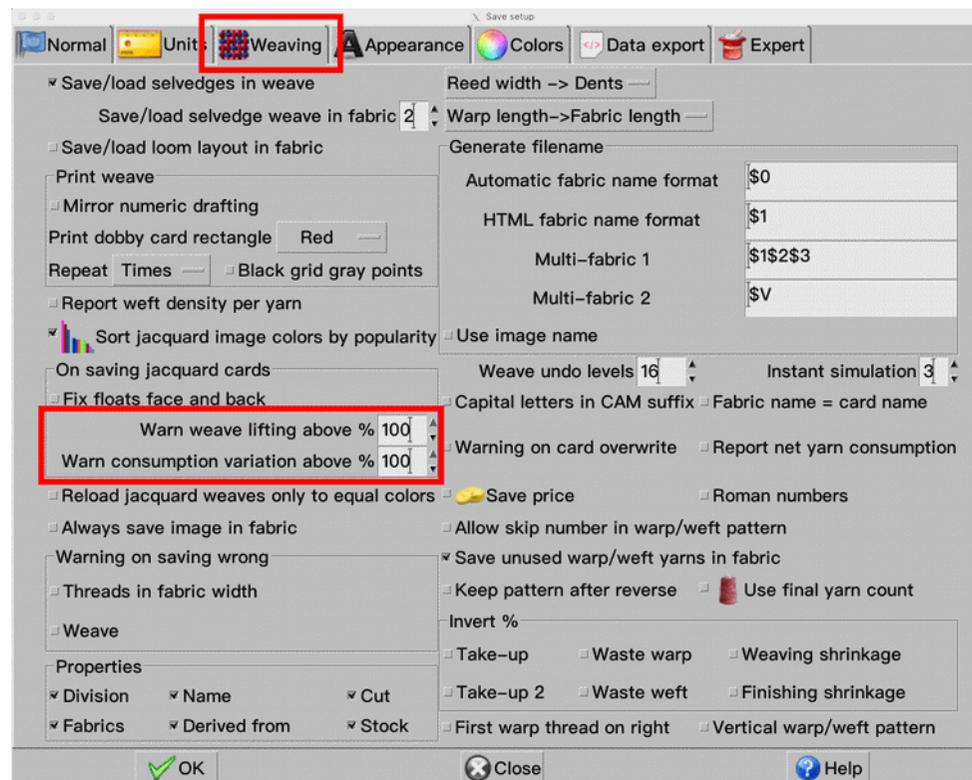
Warp lifting and Consumption variation can be controlled in **Weave properties** (in Weave browser go to **View > Properties**).
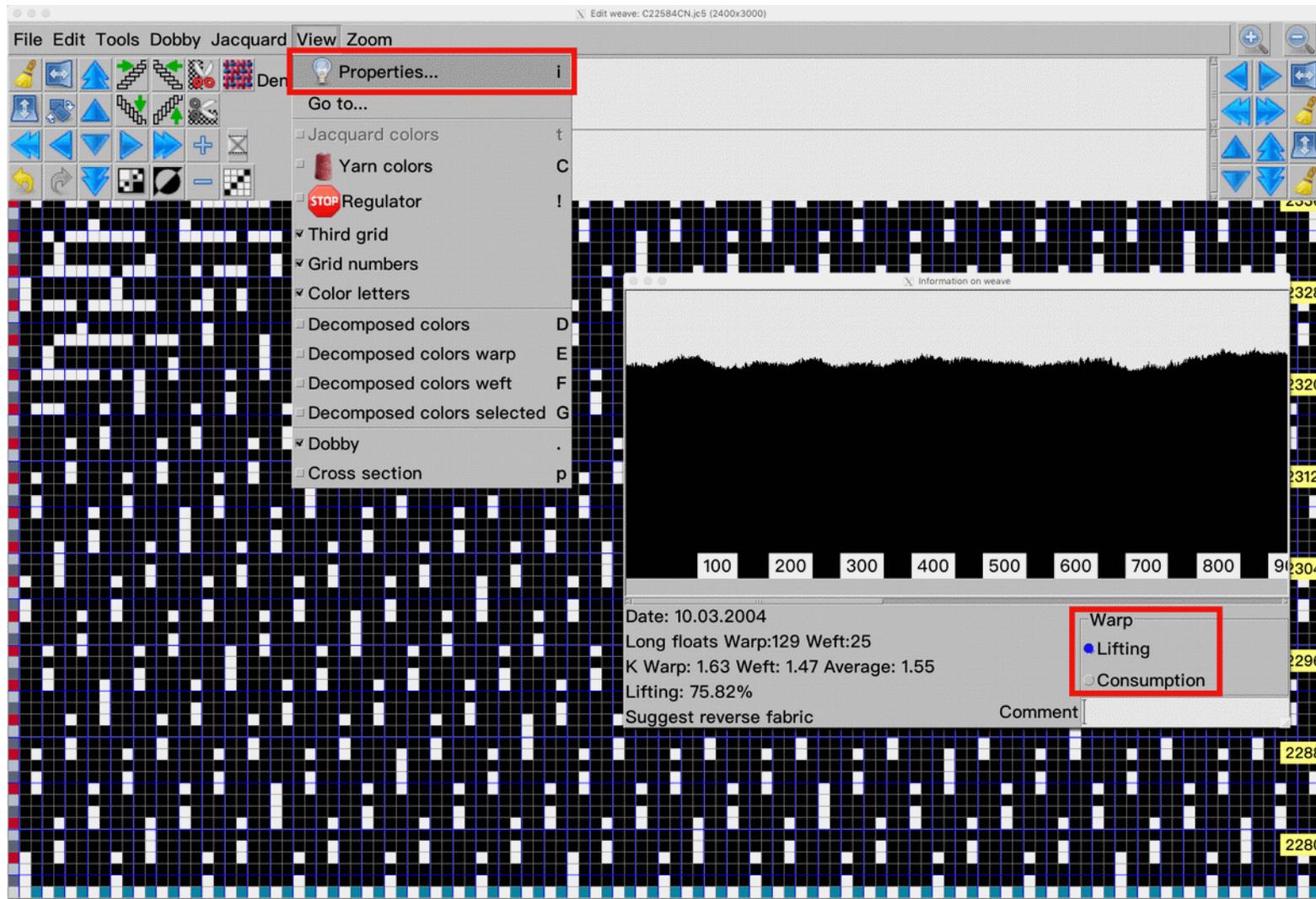
27. INK JET COMPENSATION

WHAT DOES IT DO?
Prevents ink jet bleeding when printing with ink jet printer. If a color on the printed fabric simulation is too strong (for example darker colors), on the paper, the darker ink expands slightly, covering the lighter area around it. By setting this configuration, you can reduce the ink jet bleeding, so the lighter colors will be more visible.

WHERE?
Go to **Help > Save setup,** click on the **Expert** tab and set **Ink jet compensation**.
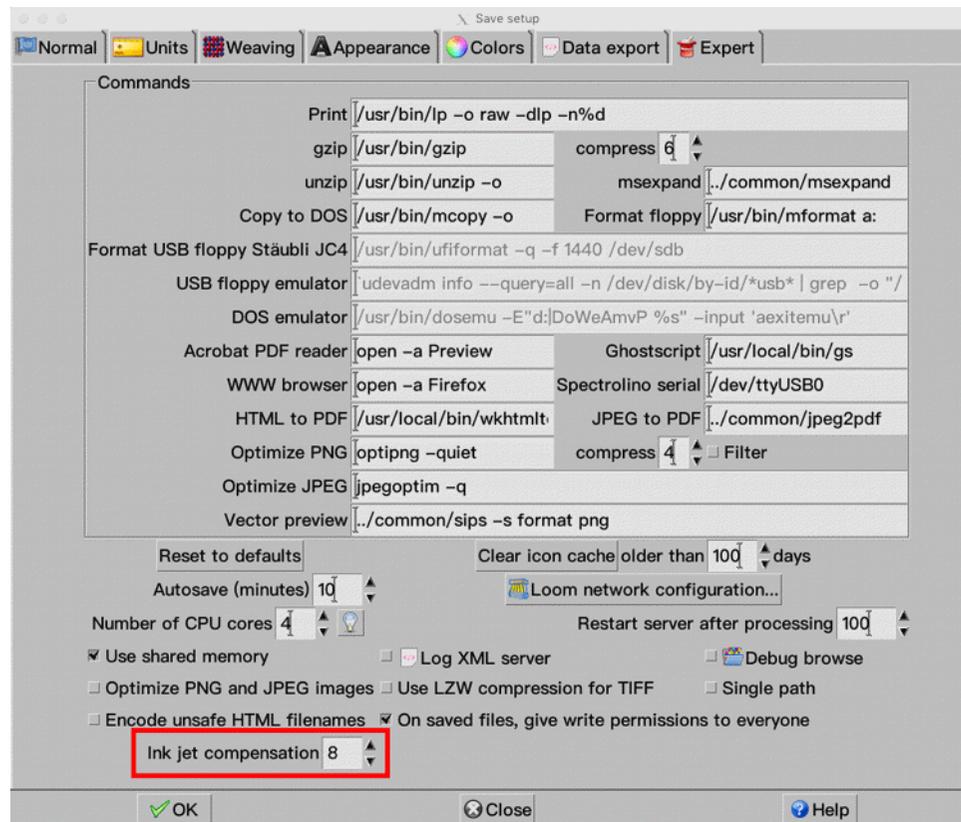
HOW TO USE IT?
Next to **Ink jet compensation** increase the number, to artificially increase the yarn diameter and decrease the dark yarn diameter.

No ink jet compensation

Ink jet compensation set

ARAHPAINT

1. LOAD AUTOSAVED IMAGE

WHAT DOES IT DO?
In ArahPaint, autosave stores image every 10 minutes (or set the autosave time yourself), so you can load them if the program crashes or due to any other misfortune.

WHERE AND HOW TO USE IT?
By default, ArahPaint will store image every 10 minutes. To change the time, open **ArahWeave** and go to **Help > Save setup, Expert tab** and set time under **Autosave (minutes)**. To load the stored image in ArahPaint, go to **File > Load automatically saved.** Maximum 10 sessions are saved, they get overwritten if you have more of them.

SET THE TIME IN ARAHWEAVE (DEFAULT TIME IS SET TO 10 MINUTES):
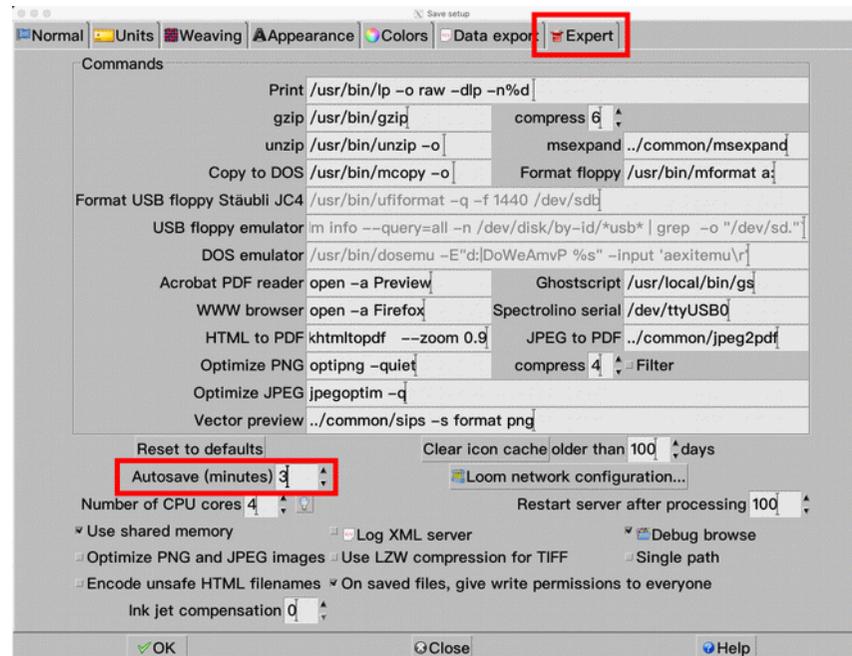
TO ACCESS AUTOSAVED FILE, GO TO FILE > LOAD AUTOMATICALLY SAVED:
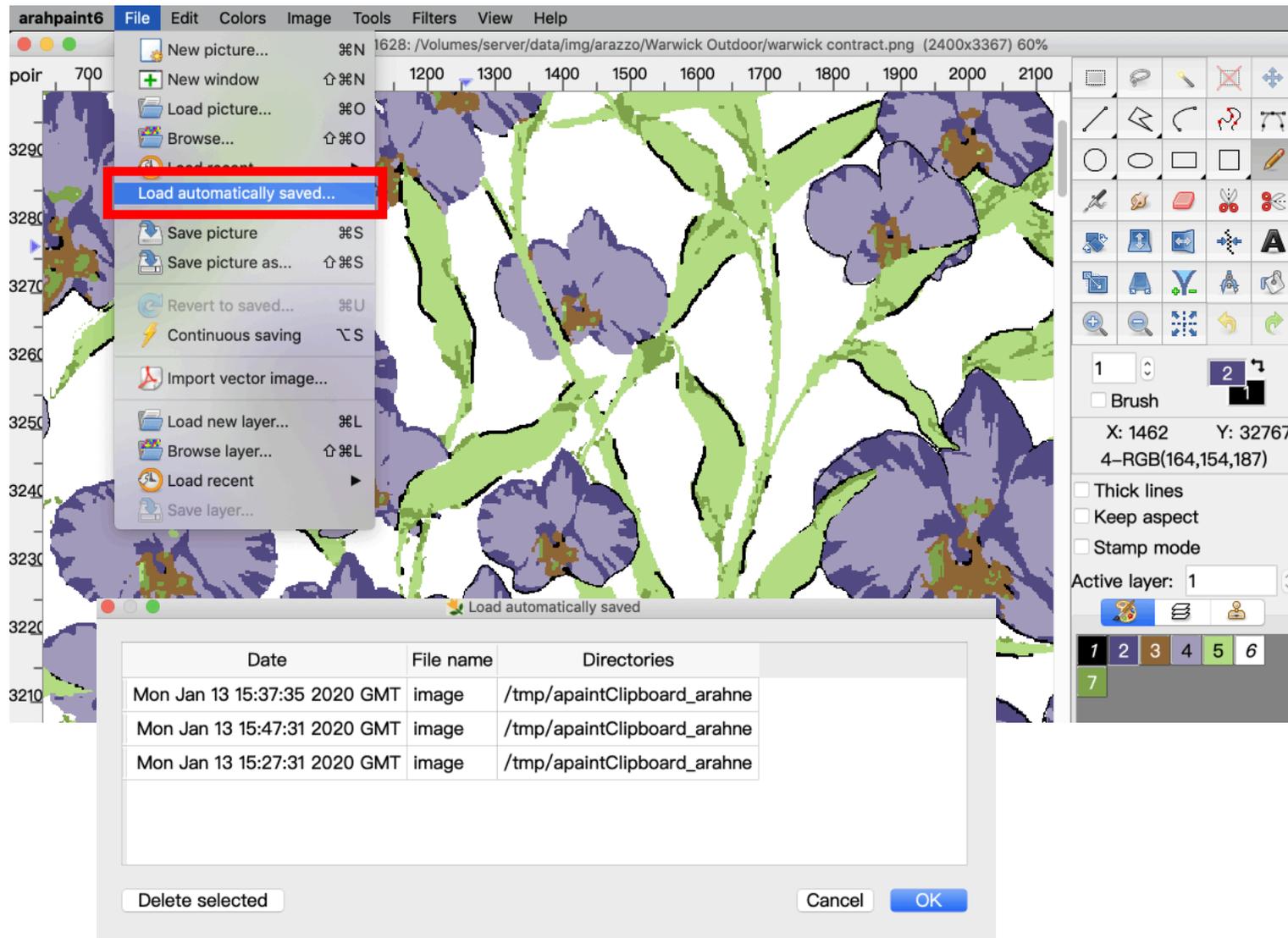
2. WRITE TEXT IN ACTUAL DENSITY

WHAT DOES IT DO?
Write text in actual fabric density. Convenient for making labels and name selvedges.

WHERE AND HOW TO USE IT?
Click on the **Resize icon** and insert the **density.** Then open text tool "**A**", write the text, select **Keep aspect** and press Insert.
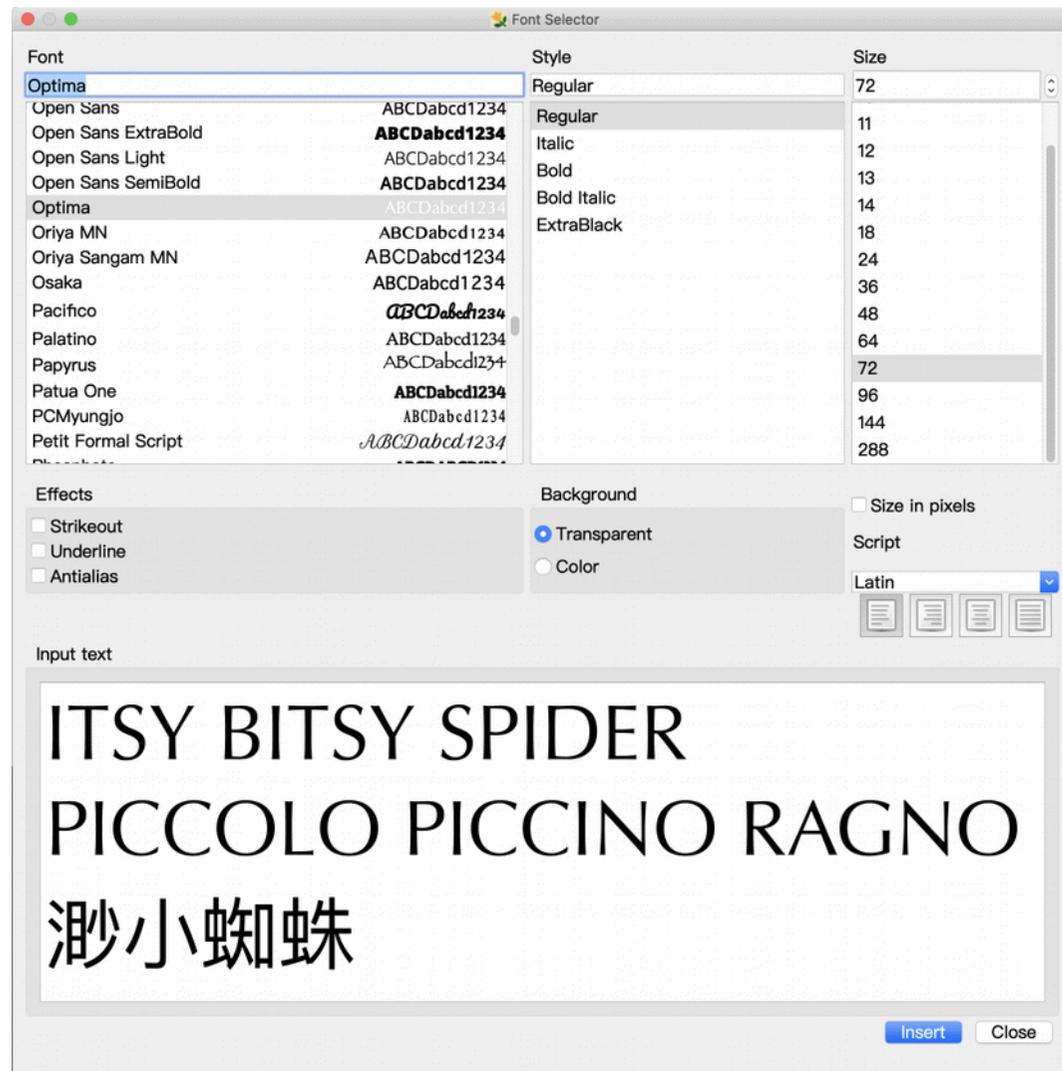
3. ITALIAN TRANSLATION OF THE MANUAL

ArahPaint manual is translated into Italian with images in Italian.

4. IMPROVED FONT WINDOW

Easily find the right font for you in the improved font dialog, with font preview next to the font name.

5. DETAILED VIEW IN IMAGE BROWSER

WHAT DOES IT DO?
You can enable list view displaying detailed information about an image, such as: filename, date, file type, colors, pixel size, image format, dpi, width, height and file size.
Images can be sorted according to specific image detail.
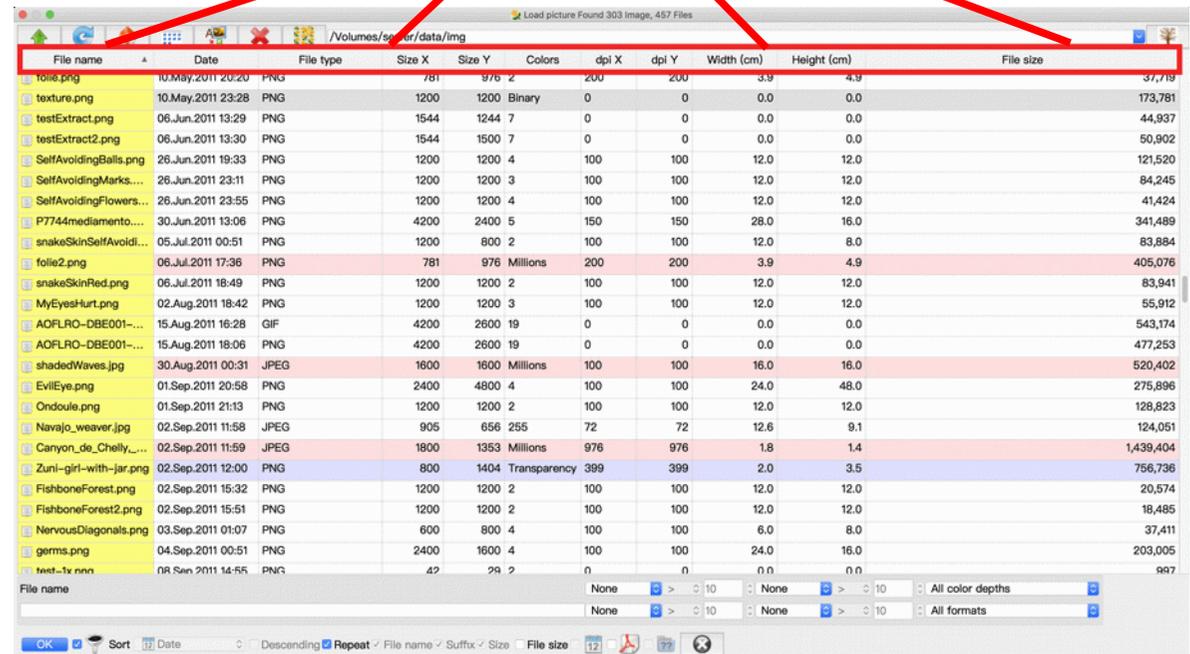
WHERE?
Go to **File > Browse**.

HOW TO USE IT?
Click on the **List view** icon.

CLICK ON THE FILE PARAMETER TO SORT THE IMAGES ACCORDINGLY

LIST VIEW ICON

IMAGE VIEW

LIST VIEW

ARAHDRAPE

1. PRODUCT CONFIGURATOR

WHAT DOES IT DO?

Present your product online, on the mobile phone, tablet or desktop computer. Visitor can change the fabric on different parts of the product and upload customized fabric image. This is a separate module which can be implemented with your web site developer.

CLICK HERE FOR DEMO
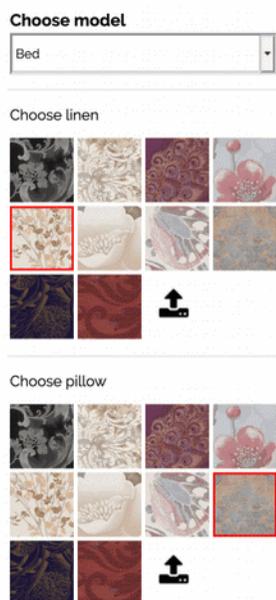
NEW APPLICATION: ARAHVIEW3D

WHAT DOES IT DO?
Arahview3D shows the fabric designed in ArahWeave on the 3D model. This is a separate payable module.

WHERE?
Go to **File>View on 3D model.** Select **New.**

Fabric design by Lanificio di Sordevolo

HOW TO USE IT?

In ArahWeave first load the fabric you wish to apply on the 3D model. Open the **View on 3D model** window and select **New**. Then choose the type of 3D model on which you will show the fabric:

- Shirt
- Clothing
- Tie
- Accessories
- Upholstery
- Curtain
- Linen

SELECT NEW

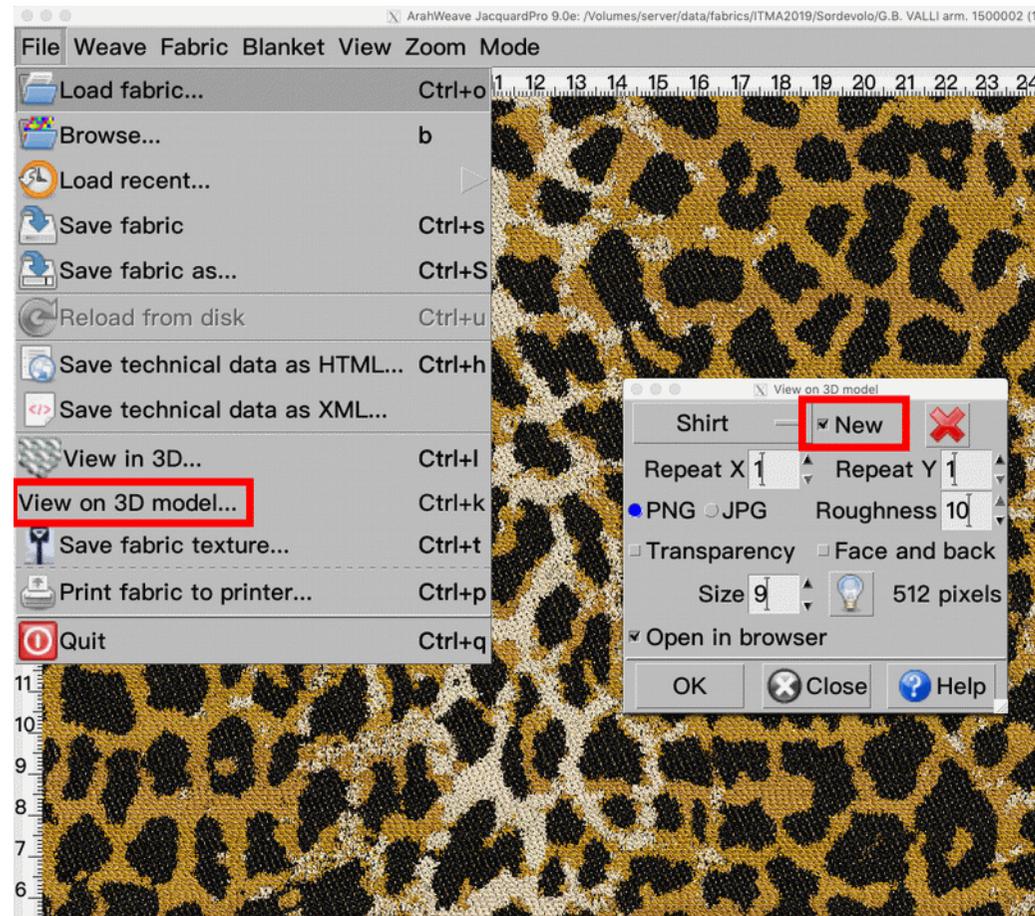CHOOSE THE MODEL CATEGORY

CHOOSE IMAGE FORMAT, REPEAT SIZE, ROUGHNESS, TRANSPARENCY (PNG FORMAT), FACE AND BACK

CLICK ON THE LIGHT BULB ICON

TO CALCULATE THE APPROPRIATE TEXTURE RESOLUTION

View on 3D model

Shirt — ☑ New

Repeat X 1   Repeat Y 1
● PNG ○ JPG   Roughness 10
☐ Transparency   ☐ Face and back

Size 13   8192 pixels

☑ Open in browser

OK   Close   Help

☑ Open in browser

☐ Open in browser

CHECK **OPEN IN BROWSER:**
ARAHVIEW3D WILL OPEN AFTER PRESSING OK

UNCHECK **OPEN IN BROWSER:**
ARAHVIEW 3D WILL NOT OPEN , BUT THE FABRIC WILL BE SAVED IN ARAHVIEW3D

(RECOMMENDED IF YOU WANT TO SAVE LARGE AMOUNT OF FABRICS)

CHECK OUR DEMO

CLICK HERE