

The background of the slide is a dark, semi-transparent image of a software interface. It shows a technical drawing or layout with various shapes and lines. There are some text labels like 'Plot length: 12210.85 mm', 'L: 2657.35 mm', 'W: 1228.65 mm', and '50dm'. There are also some icons and a 'Auto layout' button visible. The overall aesthetic is technical and professional.

SMART CUT

SOFTWARE INSTRUCTIONS

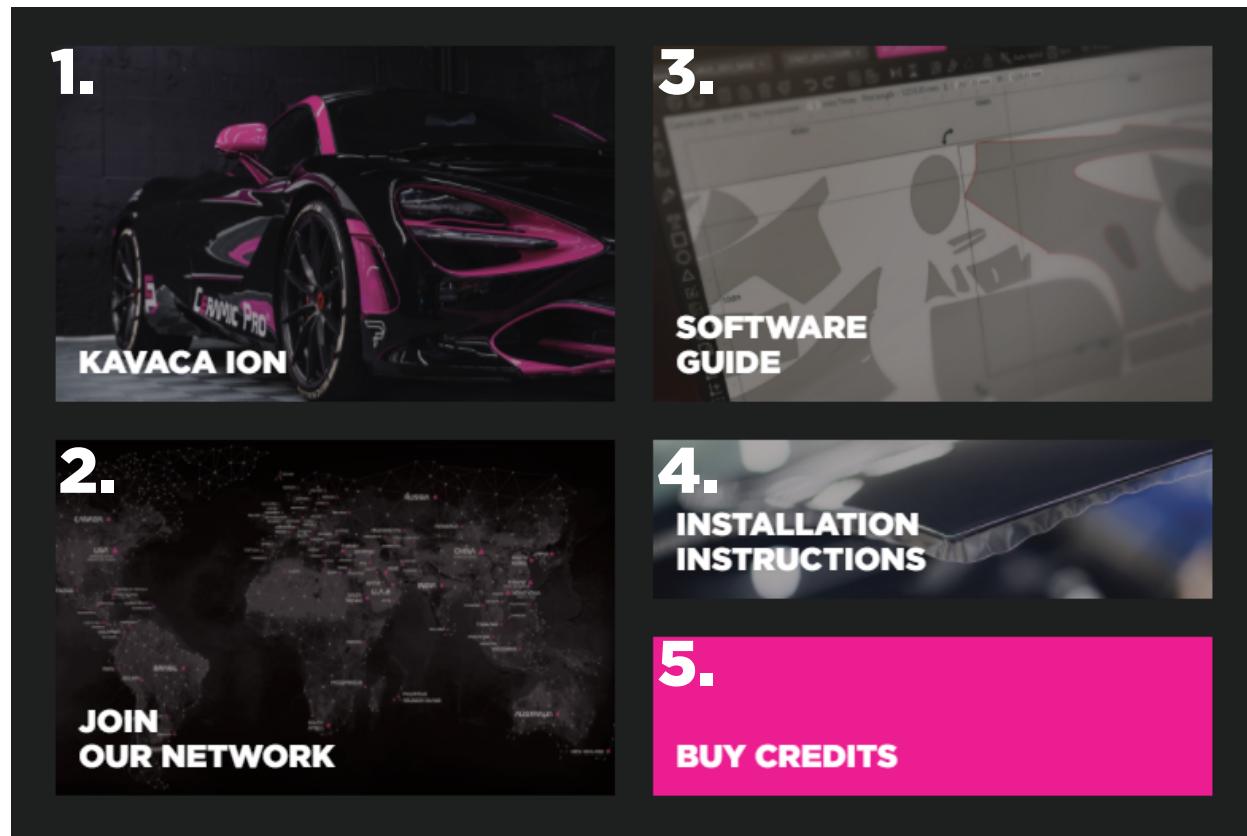
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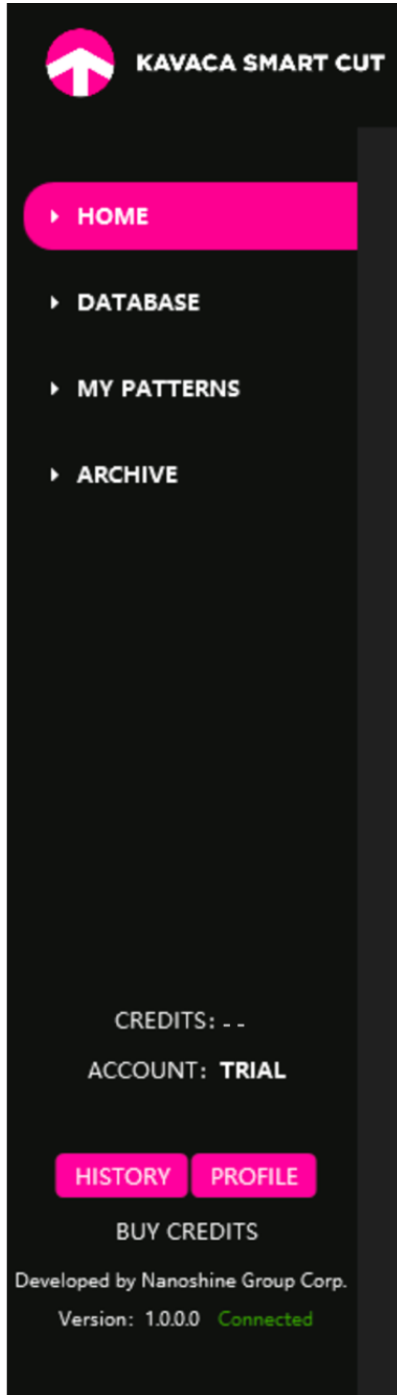
MAIN SCREEN

Before we talk about the database and pattern editing functions, we will first navigate through all the sections of the software which you will need to fully utilize its functions.

The main screen includes several blocks with information:



1. Information about the latest Kavaca ION products;
2. Joining our global partner network and starting to grow your business;
3. Software guide;
4. Basic rules for PPF installation using patterns;
5. Choosing a suitable credits package and refilling your account's credit balance;



The Main menu is found on the left side of the screen. It contains:

- Homepage
- Database of patterns and graphic editor
- My patterns catalog of patterns you have created or edited that you can save for later use
- Archive of previously cut patterns

The bottom of the sidebar displays your current balance of square meters, your account type and account expiration date (if you are using an unlimited annual account or a trial test account).

the **History** log, which displays all events associated with your account.

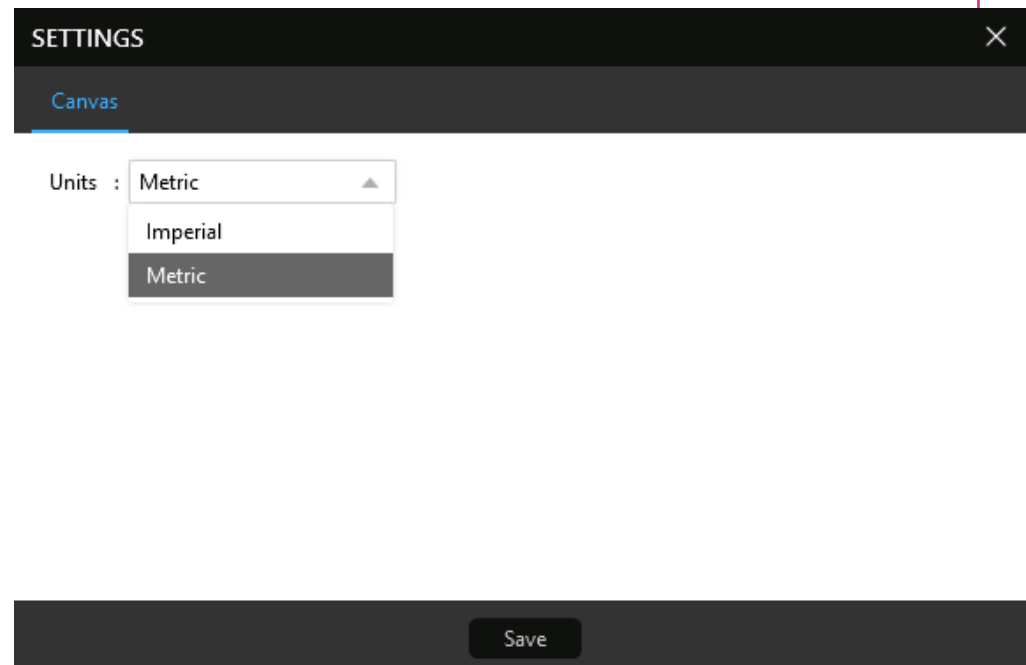
a **Profile** section with detailed information about your account and the function to activate a Package ID to refill the credit balance of your account and a Buy Credits button that takes you to the package selection and purchase page.

Your **Account login** is displayed on the upper right panel. It matches the email address you registered the account with.

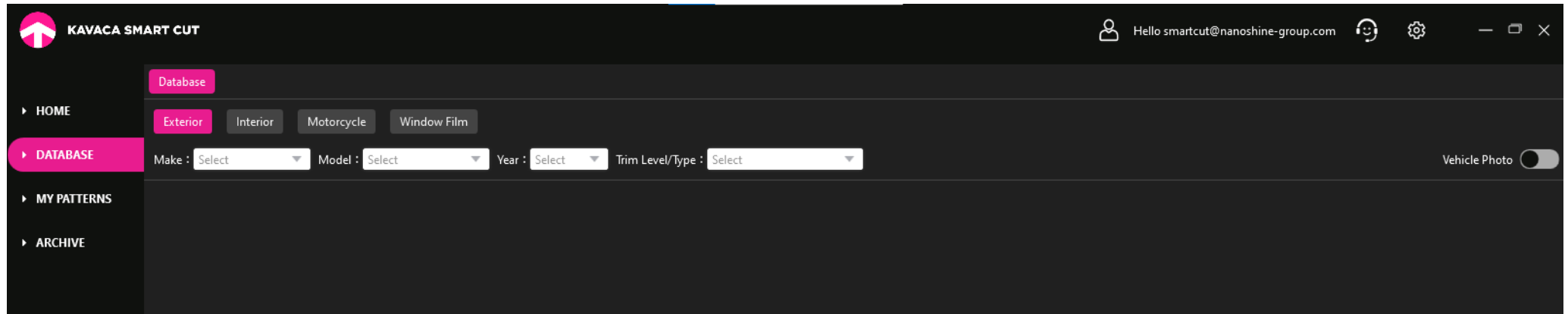
The **Feedback button** to send us your feedback or recommendations on the operation of the software or a particular pattern. We always welcome your feedback and are ready to help if necessary.

And the **Settings menu**, where you can choose the preferred measurement units by choosing between meters and inches.

Changing the units of measure applies to the ruler in the pattern editor and to the credit balance display. Restart the software to apply changes.



DATABASE PREVIEW (NO ACCESS)



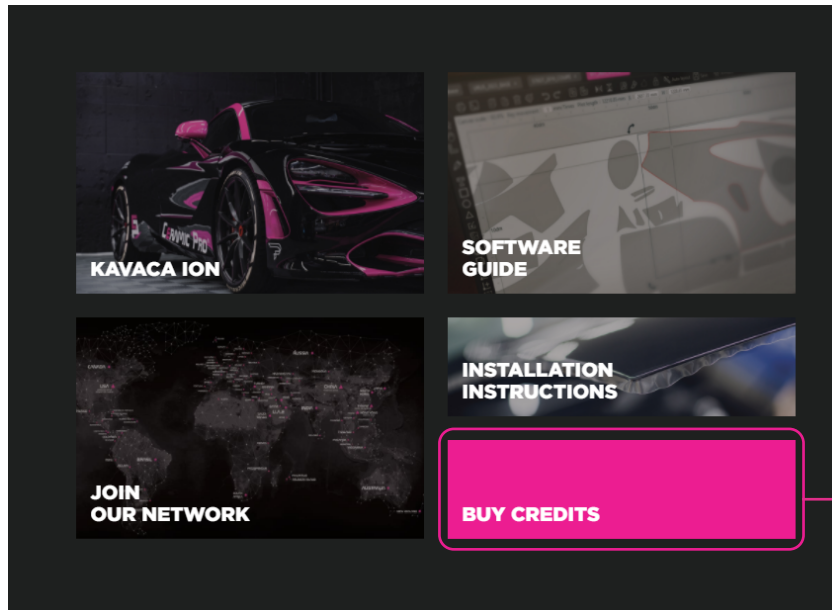
You will see several categories of the catalog in the DATABASE: exterior elements, automotive interior elements, motorcycles, and window films.

In each section, you must select the model you are interested in, by selecting the Make first, then the Model, Year and Trim level/type.

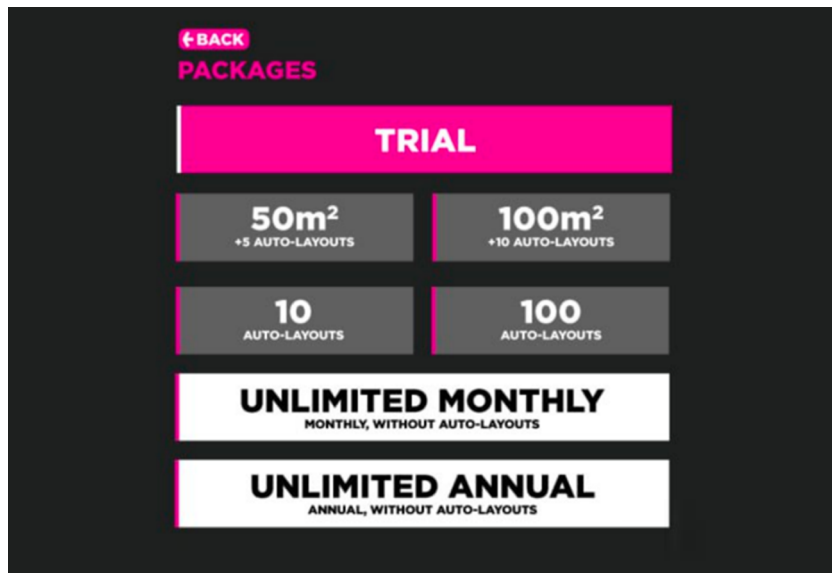
As you can see, the choice and further use of patterns is restricted at the moment. Since the credits package has not been activated in your account yet.

To continue using the database and the pattern editor, you need to refill the credits balance or activate the trial period.

PAYMENT AND CREDITS PACKAGE ACTIVATION



To purchase a credit package, go to the **BUY CREDITS** page on the home page or at the bottom of the sidebar.



You can choose from several credit packages containing a number of square meters free auto-layouts; two auto-layout packages and an unlimited annual and monthly accounts.

We will explain the auto-layout function later, along with the functionality of the pattern editor tools.

You can also choose a trial period. **Please note that the trial period on one device is activated only once.**

Pay now Pay Later

Pay with debit or credit card

We don't share your financial details with the merchant.

Country/Region
United States

Email

Phone type
Mobile

Phone number
+1



Card number

Expiration date

CVV

Billing address

First name

Last name



PayPal is the safer, easier way to pay

No matter where you shop, we keep your financial information secure.

After selecting a credit package, choose a payment method that is convenient for you, fill in your credit card details and other information required for payment, and complete the payment.

KAVACA SMART CUT

Credit purchase is successful.

Your activation codes are:
50m2 + 5 free Auto-Layouts

| | |
|-----------------|------------------|
| Package ID | KA20230412798882 |
| Activation Code | JOKWRLUC5 |

To continue activation, sign in to your account in Kavaca Smart Cut and click the Activate Package button in the Profile menu below in the side menu. Enter the code Package ID, click Submit, and then in the field that appears, enter Activation Code and click Submit again.

The credits will be available immediately after a successful activation.

To learn how to use all the functions of the software, use the video or text manuals in the Software Guide section on the Home page of the software.

Enjoy!

Thank you for choosing Kavaca Smart Cut!

For all questions, please contact our support.
support@nanoshine-group.com

NANOSHINE GROUP CORP

You will receive an email with information required to activate the credit package.

Further, to activate the received codes, you need to go to the **Profile menu** by clicking on the button below in the side menu.

CREDITS: - -

ACCOUNT: TRIAL

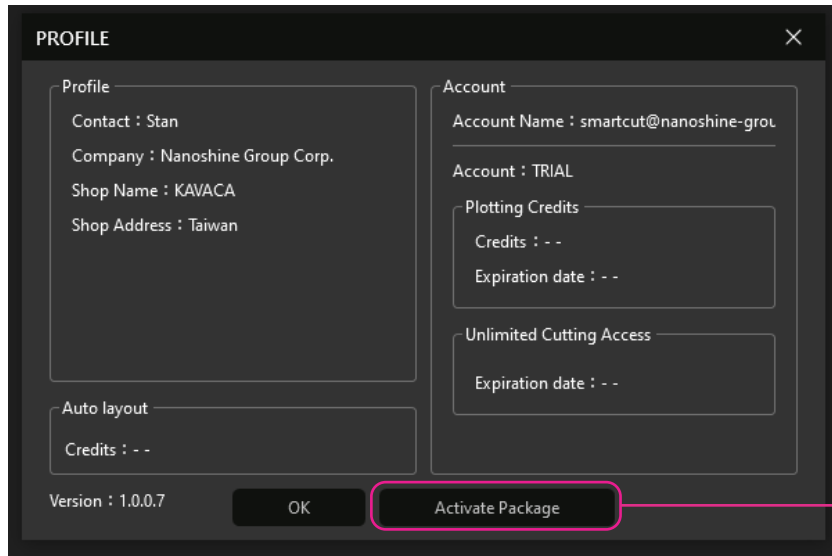
HISTORY PROFILE

BUY CREDITS

Developed by Nanoshine Group Corp.

Version: 1.0.0.0 Connected

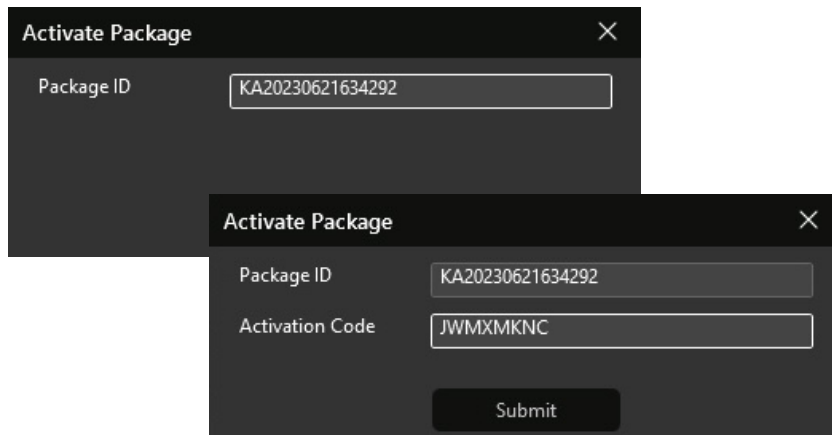
PACKAGE ACTIVATION



The screenshot shows a 'PROFILE' window with two main sections: 'Profile' and 'Account'. The 'Profile' section includes fields for Contact (Stan), Company (Nanoshine Group Corp.), Shop Name (KAVACA), and Shop Address (Taiwan). The 'Account' section includes Account Name (smartcut@nanoshine-gro), Account (TRIAL), Plotting Credits (Credits: --, Expiration date: --), and Unlimited Cutting Access (Expiration date: --). At the bottom, there is an 'Auto layout' section with Credits: -- and a 'Version: 1.0.0.7' label. Two buttons are visible: 'OK' and 'Activate Package', with the latter highlighted by a red rectangular box. A red line extends from the box to the right.

In **Profile menu**, you can see detailed information about your account and balance of credits.

To continue activation, click the **Activate package button**, in the window that appears.



The image shows two overlapping 'Activate Package' dialog boxes. The top dialog box has a 'Package ID' field containing the value 'KA20230621634292'. The bottom dialog box has two fields: 'Package ID' (containing 'KA20230621634292') and 'Activation Code' (containing 'JWMXMKNC'). Below these fields is a 'Submit' button.

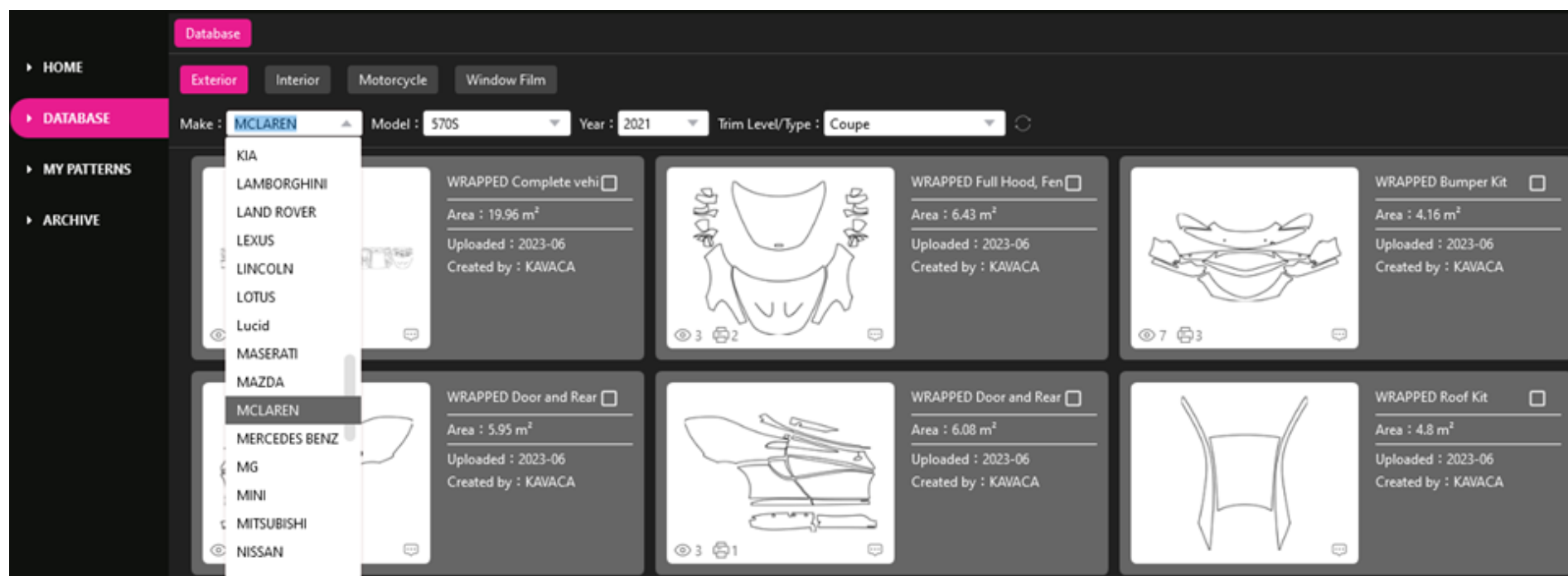
Enter the code **Package ID**, click Submit, and then in the field that appears, enter **Activation code** and click Submit again.

The notification on the successful activation and refilling of your balance appears on the screen. Click OK.

Now you can continue working with database.

DATABASE AND GRAPHIC EDITOR OF PATTERNS

After successfully refilling the credits balance, select the car or motorcycle model you need.



Depending on the chosen model, you are offered one or several sets of patterns:

The whole body, the front of the car or another, depending on the specifics of the model. Pattern titles contain the details.

The inscription WRAPPED before the name of a set of patterns, indicates that the patterns in this set include the offsets of the film to fold it along the edges of the elements.

Select the full body by double-clicking on it.

At the very top, a tab with the database of patterns and a tab with a previously selected set of patterns is displayed.

You can open several of these tabs with different cars at the same time and quickly switch between them.

Database X5M_2022_COMPETITION × GT_2022_All models × SF90_2021_Spider ×

Canvas scale : 20.29% Key movement : 1 mm/Ticks Plot length : 14120.98 mm

50dm 0dm 10dm 20dm 30dm 40dm 50dm 60dm 70dm 80dm 90dm 100dm 110dm 120dm 130dm

40dm

30dm

20dm

10dm

0dm

-10dm

-20dm

-30dm

1.49 X 15.00 m

Tools for editing patterns and interacting with them.

Horizontal and vertical measuring ruler. Depending on the scale, it measures in centimeters and decimeters or inches and feet.

The default canvas size is 1.49 x 15.00 m (58.7 x 590.5 inches), but you can always change the canvas size by selecting one of the options at the bottom left of the editor field, for example, for 0.62m wide film (24 inches).

Patterns are located on a long canvas, displayed in a lighter color than the main background. This canvas is the display of a roll of film in expanded form.

Switch to see photos of the selected car or motorcycle model.

Vehicle Photo

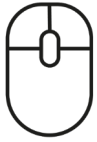
Picture List

Complete vehicle kit

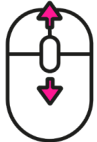
Complete vehicle kit

Complete vehicle kit

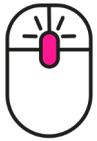
Complete vehicle kit




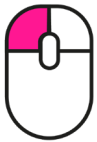
For full interaction with the graphic editor, you will need an ordinary three-button computer mouse.



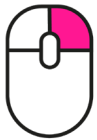
To zoom in and out, use the mouse wheel. Zooming will be automatically directed toward the mouse cursor's location.



Press and hold the mouse wheel to move the canvas. Or select  Hand tool on the toolbar, and by holding the left mouse button, move around the screen.



Click the left mouse button to select the required element.



Click the right mouse button to zoom out to show all patterns. Select a specific part and right-click on it to expand that part to full screen.

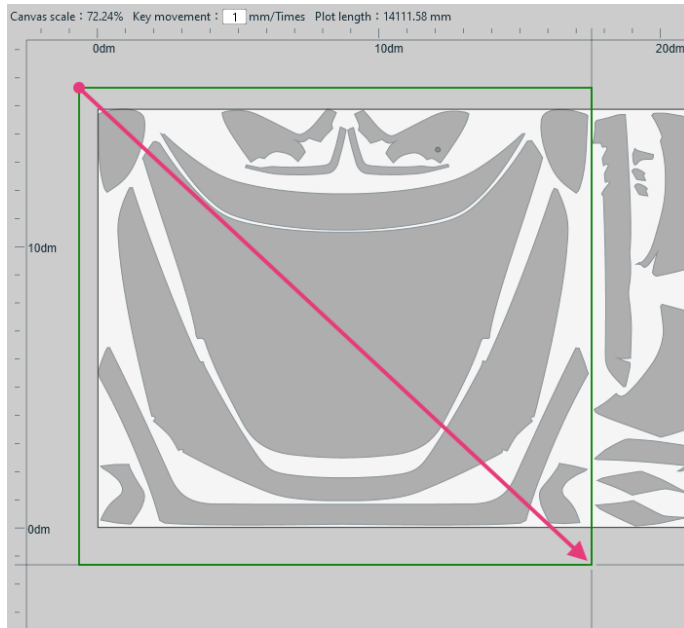


To rotate the part, use the arrows that appear on each side of the pattern by holding the left mouse button and moving the mouse in different directions.



The control functions memo is in the upper right corner of the screen.

EDIT ANCHORS



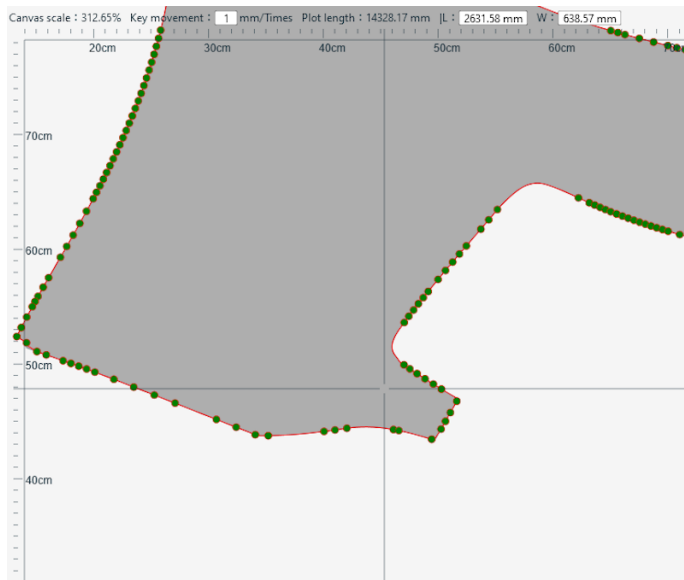
To select several elements, **Hold down** the **Left mouse button** and select the zone of the required patterns.

Only those patterns that are completely in the selected field will be selected.

The patterns that are in the rectangle will be selected.

Select several patterns by holding down the **Shift key** and selecting the desired patterns with the left mouse button.

When multiple items are selected, they can be moved together.



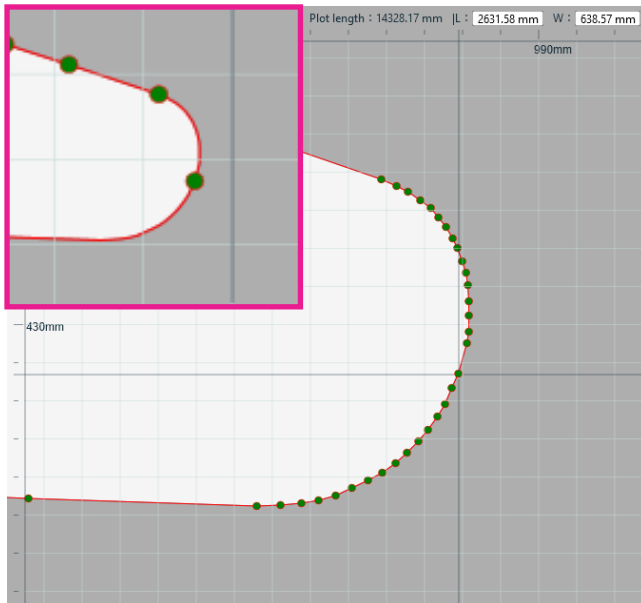
By **Double-clicking** the **Left mouse button** on the selected element, or by pressing the **Edit Anchor tool**  on the sidebar, you will proceed to editing the pattern.

If you **Double-click** the **Left mouse button** again or press the **Esc button** on the keyboard, the editing mode will end.



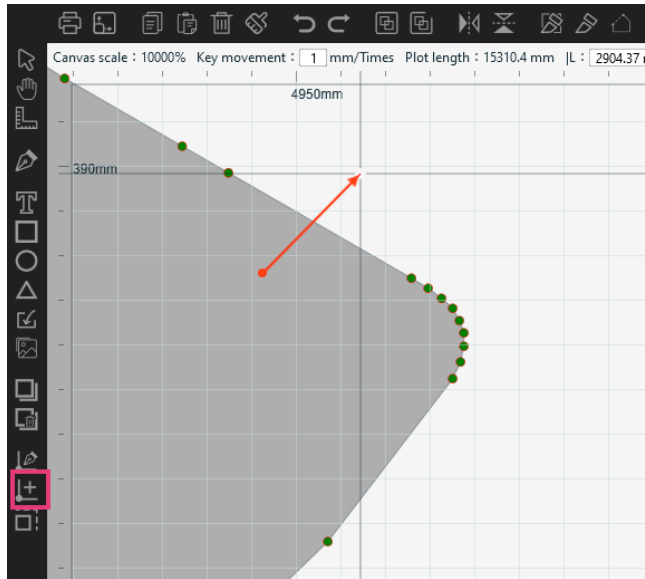
In edit mode, by selecting one or more points, by analogy with selecting patterns on the canvas (**Hold down** the **Left mouse button** and select the desired area or hold **Shift** and select the desired points by clicking on them), you can move these points to any place, thereby changing the shape of the part in the right places.

If you have selected unnecessary points, then by holding down the **Ctrl** key and selecting certain points by clicking on them, you can deselect these points from the total number of selected points.

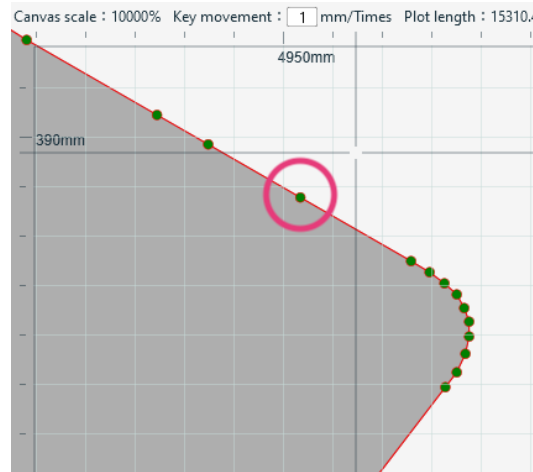


The closer you zoom in, the more dots are displayed on the pattern, and thus you can make more detailed adjustments if you need them.

ADD AND DELETE ANCHOR POINTS



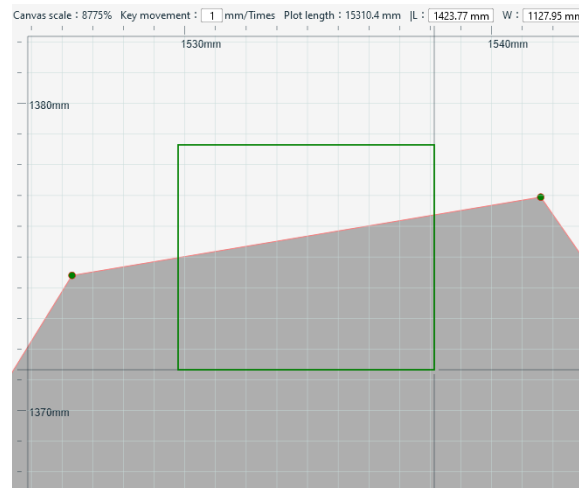
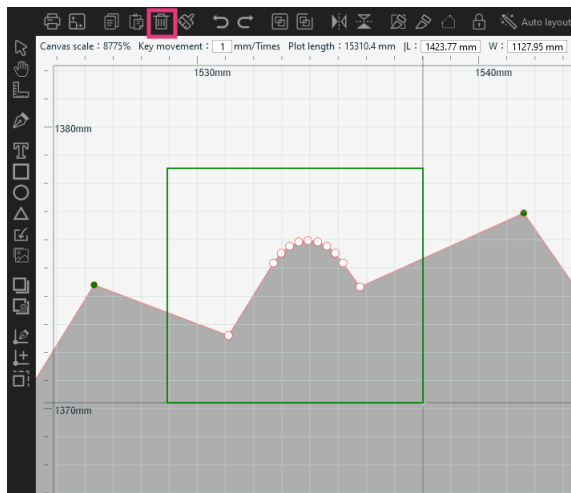
If you need to set additional anchor points on the pattern for precise editing, you can use the **Add anchor**  tool to do that.



Hold down the Left mouse button and draw a line where you want to add a point, and release the mouse button.

As you can see, the point appeared exactly at the intersection of the pattern line and the tool line.

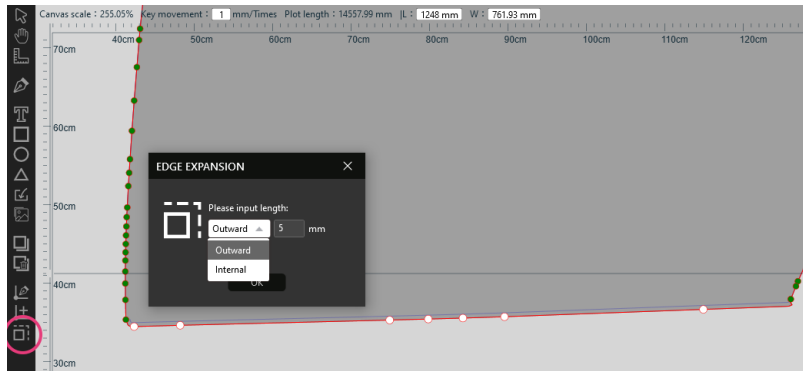
Now you can perform the necessary editing of the pattern.




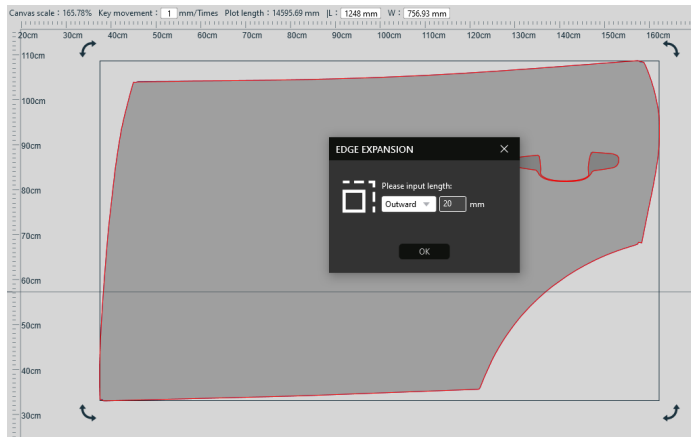
Also, you can delete unwanted points by pressing the **Delete button** on your keyboard or **Delete button**  on toolbar.

In this case, the two segments will merge into one, connecting the nearest anchor points.

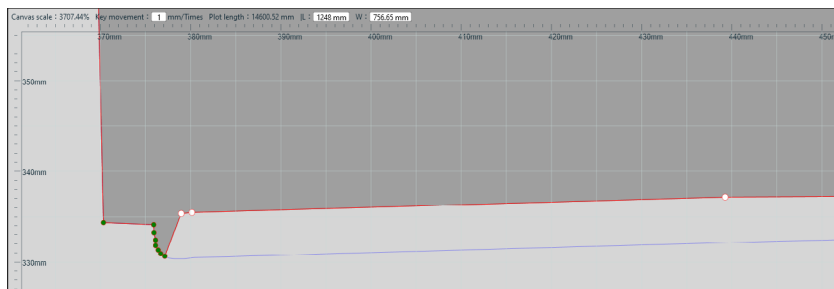
EDGE EXPANSION



By selecting the desired points and using the **Edge Expansion**  function you can set the exact amount by which you want to increase a part in the selected area, or vice versa, reduce it by selecting Internal in the setup before using this function.




By selecting the entire pattern, without highlighting certain points, using this function will increase or decrease the size of the entire pattern on all sides at once.



At the same time as the edge length is changed, a blue line shadow of the original pattern is automatically created so that you can clearly see the change in pattern shapes. You will clearly see it by dragging the pattern aside.

The created template shadow line can not be cut out, it is only visible when editing the templates.

To remove the shadow, select the pattern and click the **Delete Shadow button** 

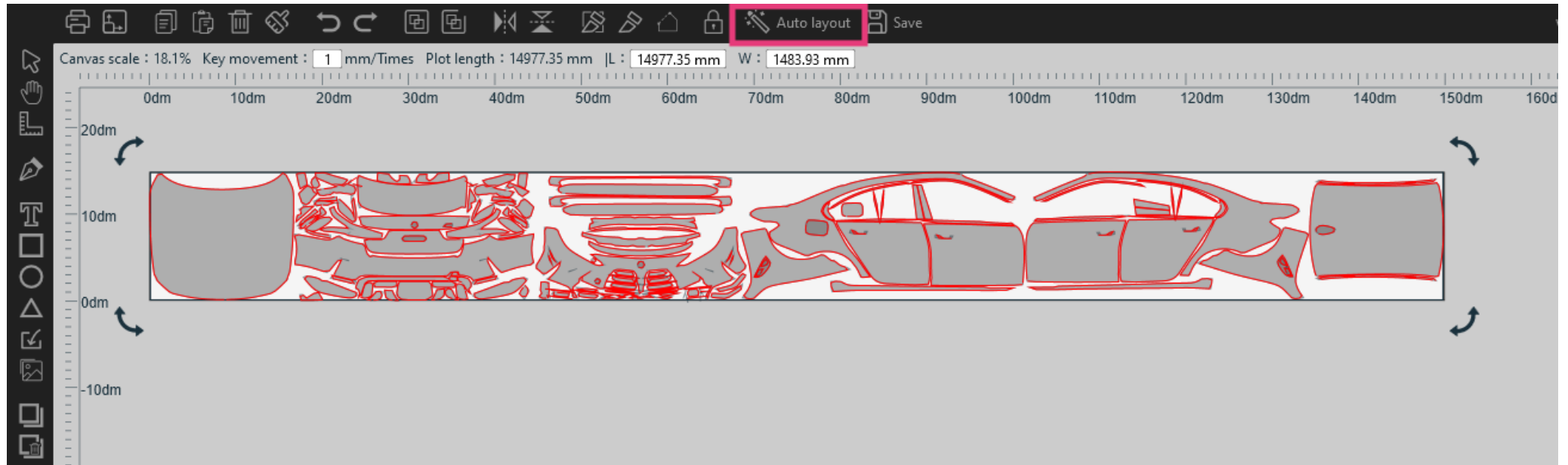
To show the shadow line, click the **Shadow button** 

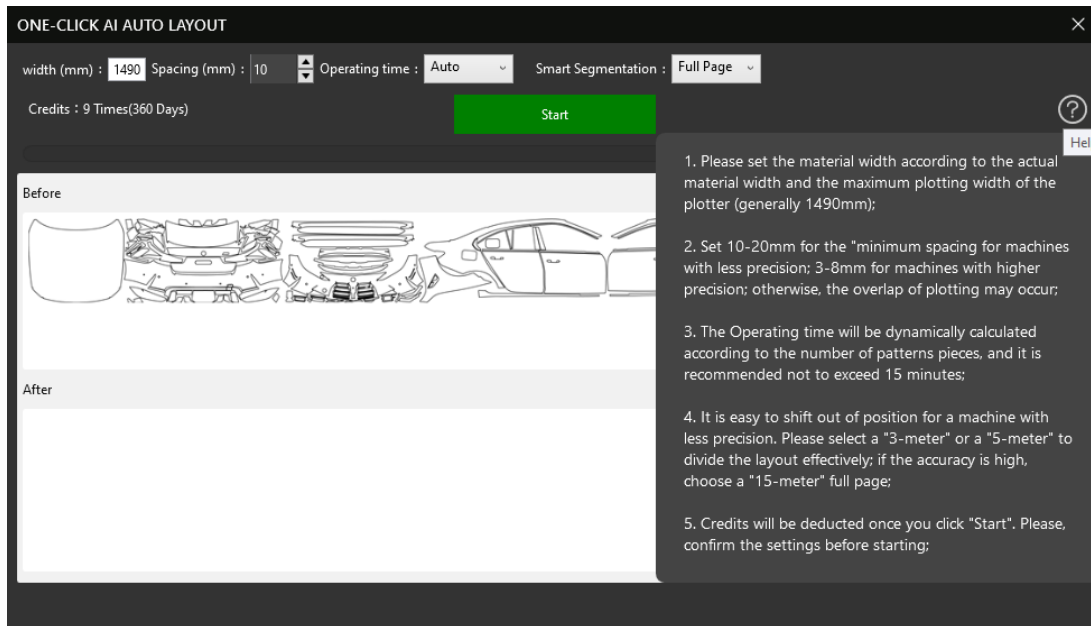
AUTO-LAYOUT

Auto-Layout is one of the most convenient and useful features when working with templates.

This function uses the help of artificial intelligence algorithms and the power of a cloud server to make it possible to use the area of the film as efficiently as possible by cutting out patterns using a minimum amount of it.

Select the patterns that you need to cut, click the **Auto-Layout button** 





In the window that appears, the pattern grouping width is configured (it duplicates the specified settings for the canvas width and interval between patterns), auto-layout execution time and settings for grouping patterns into segments.

We recommend using the automatic mode, since the processing time depends on the number and shape of the patterns.

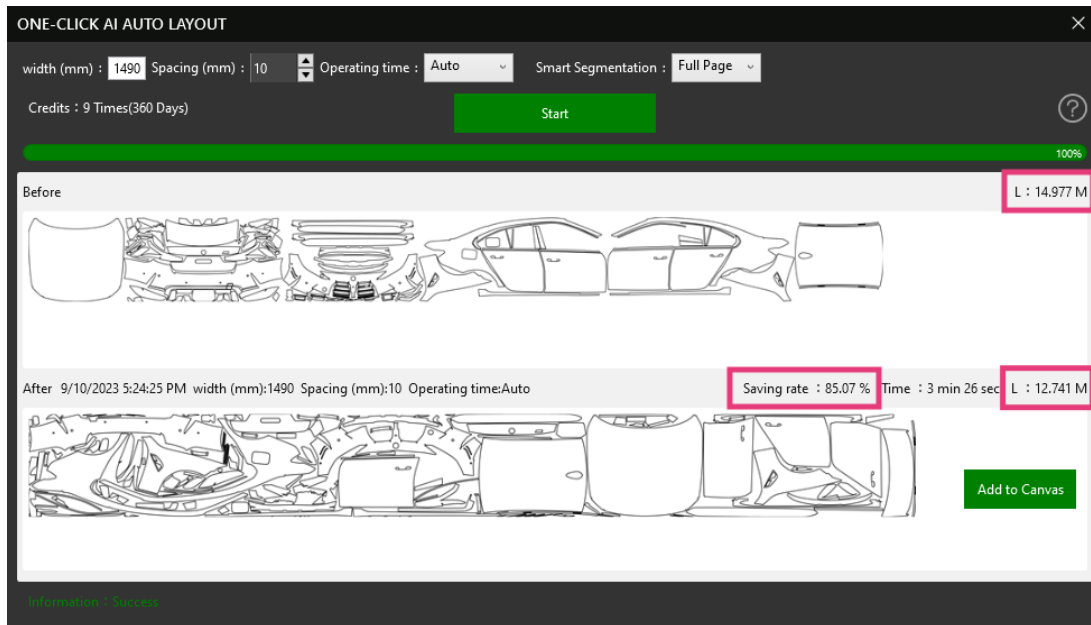
Sometimes it takes a few minutes to get the best result, but sometimes over 5-10 minutes.

The balance of your available auto layouts is shown in the upper left corner.

If the number of free auto-layouts that come with the square meters package is not enough, you can always buy them separately on the **BUY CREDITS** page.

To start the auto-layout process, click the Start button.

Confirm with **OK**.



In this white color field, you see the pattern layout before auto-layout, and the field below will show the result after it is completed.

The auto-layout process takes place on a powerful cloud server, so the characteristics of your device will not affect the speed and result of the processing. A basic laptop and a top computer will provide the same result.

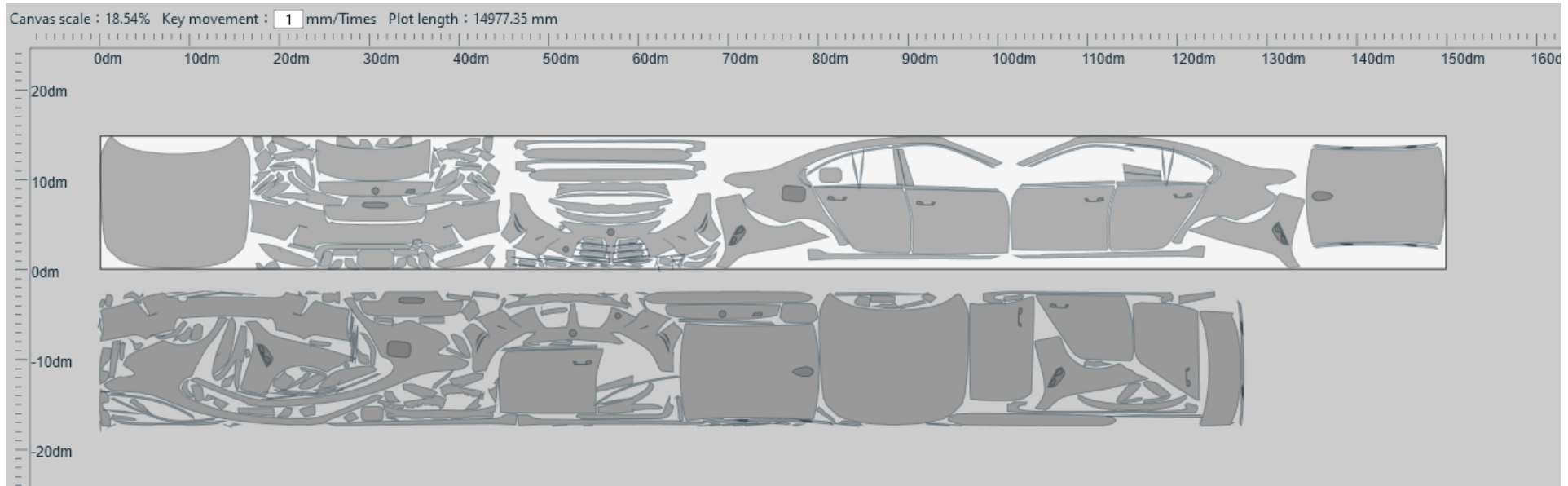
After the processing is complete, the program will display the best pattern layout option.

At the end of processing, you can see the result - the patterns are distributed as efficiently and close to each other as possible.

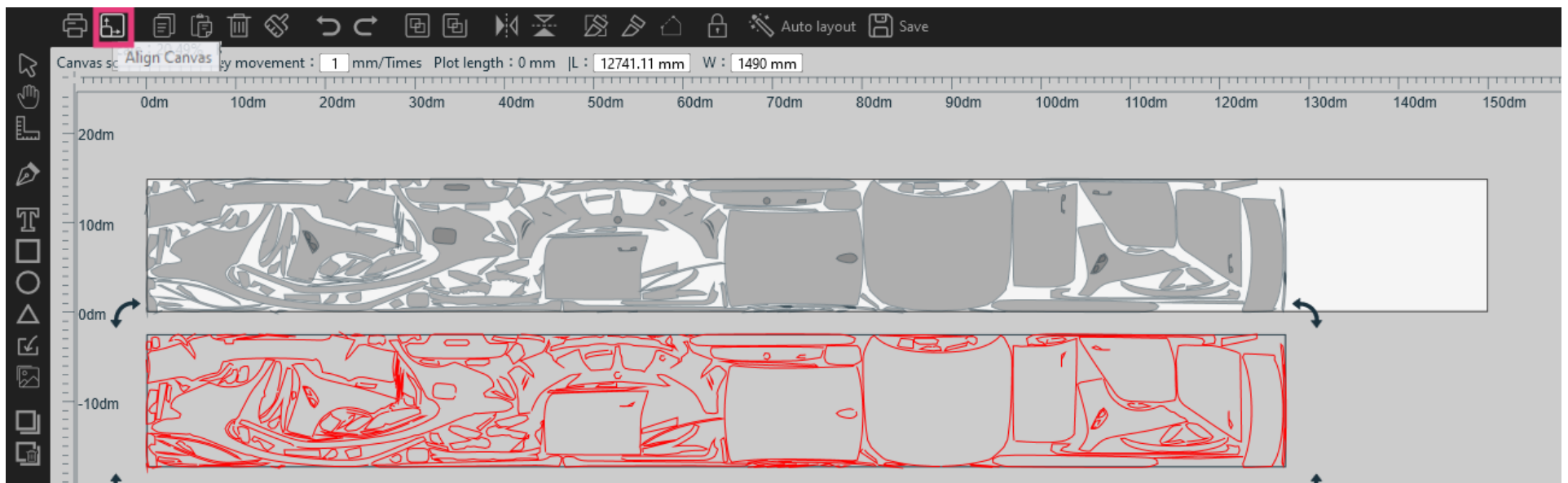
Also at the end of processing, you can see the material savings indicator, time spent on the layout of the patterns and the length of the material that is required to cut these patterns.

Click **Add to Canvas** to continue working with patterns.

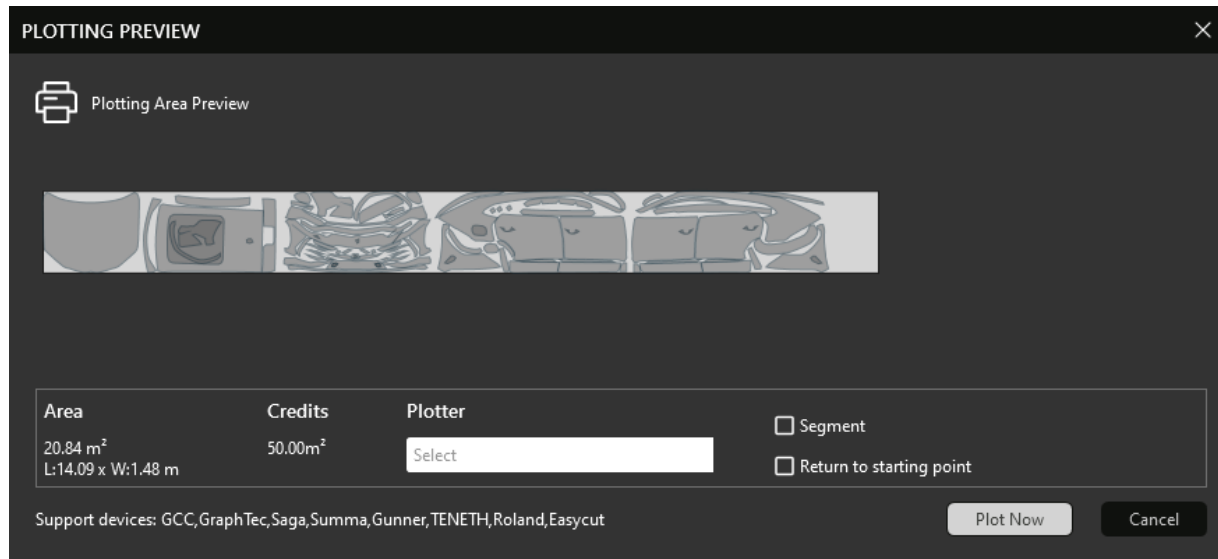
The patterns have moved under the main canvas so that they do not mix with the rest of the patterns.




Delete unwanted patterns and select the patterns you just laid out, select all patterns, then click the **Align Canvas button** to easily move them as close to the edge of the canvas as possible.



PLOTTING PATTERNS



To cut the patterns, please click on the **Plot button** 

In the window that appears, you see a preview of the canvas with patterns that will be cut.

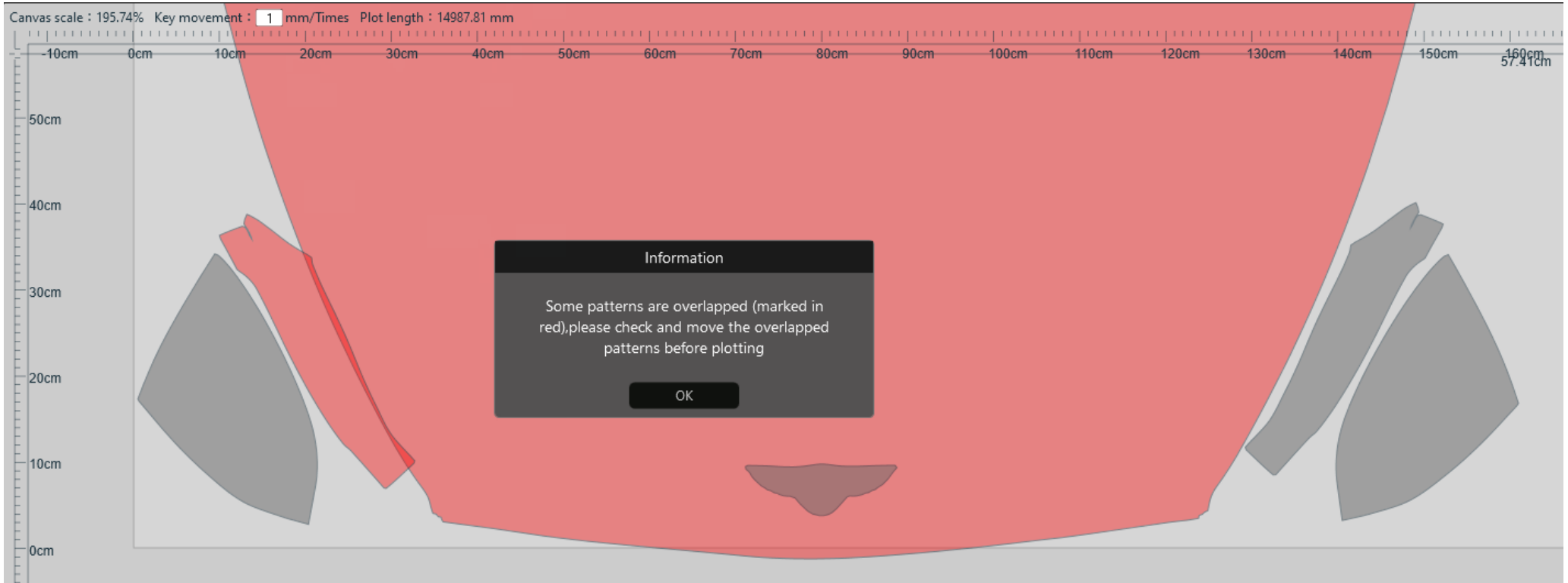
Only the patterns that are on the canvas will be cut.

Below is information about the number of square meters used for cutting; and the balance of your available credits.


Choose the plotter for pattern cutting from the list of connected plotters.

Enable the **Segment** option for the plotter to cut the film within one segment, one after another. You can set the length of each segment into which the total length of the film will be divided. This option is usually used when cutting large and long parts to prevent the film from shifting and creasing during the cutting process.

By enabling **Return** to starting point option, the plotter's needle will return to the beginning of the canvas after cutting is completed.

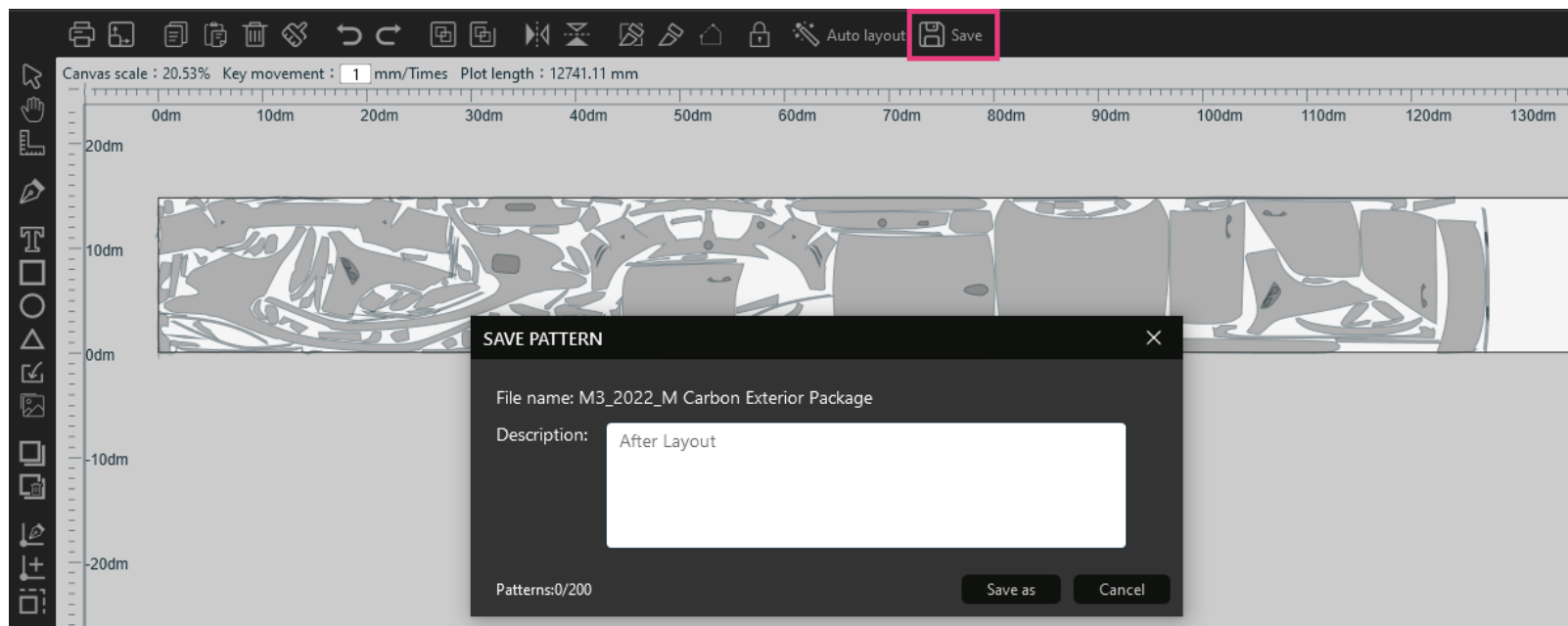



If some or more of the patterns are displayed in red, this means that this part is in overlapping with another part or the part crosses the edge of the canvas and they need to be moved until they become the standard color again.

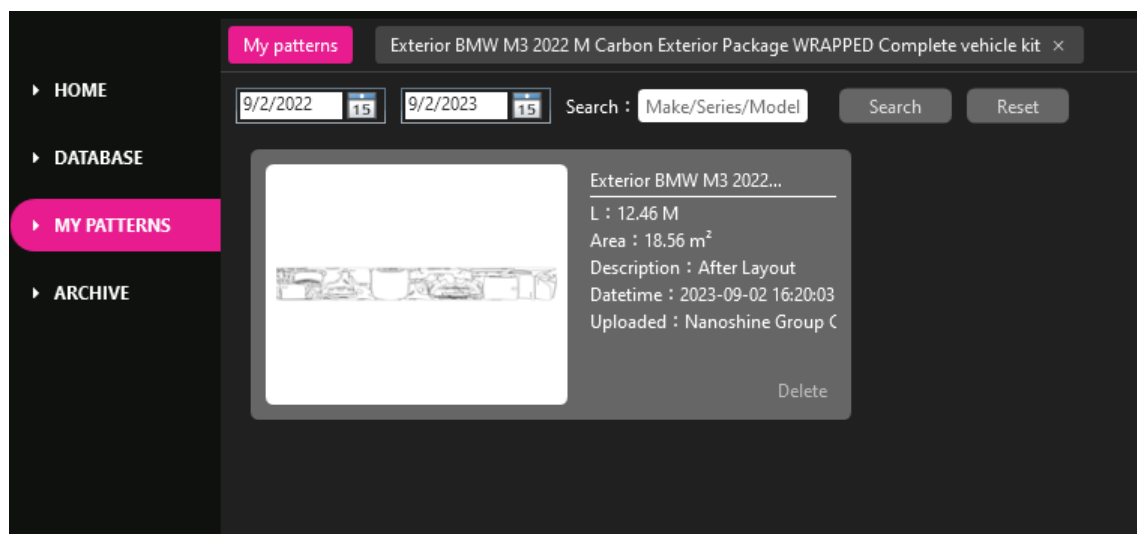
If at this moment you press the **Plot button**  then the program will warn you against this and will not allow you to continue cutting.

Please set the correct position of the patterns on the canvas, and click  **Plot** again.

SAVING PATTERNS



In order to save patterns that you have edited based on your individual installation criteria, press the **Save** button  write your description and press **Save as**.




After saving, the tab in which you worked with this pattern is automatically closed, and to continue working with it you need to go to the **MY PATTERNS** section on the main sidebar.

If your pattern is not displayed automatically, then click the **Search** button.

When there are a lot of such sets of patterns, for convenience, use the search function by the name of the car model or the description keywords that you added when saving.

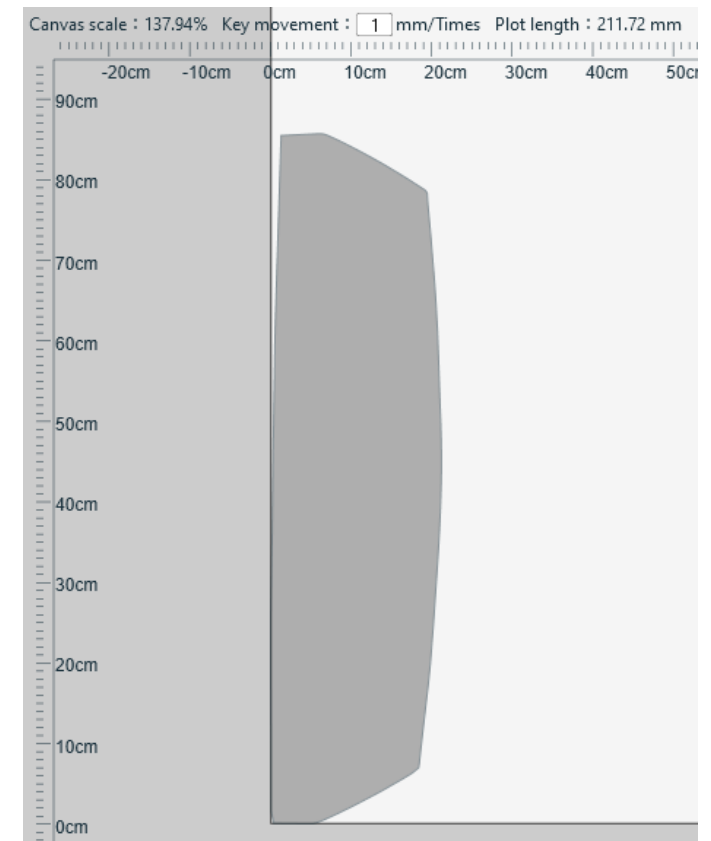
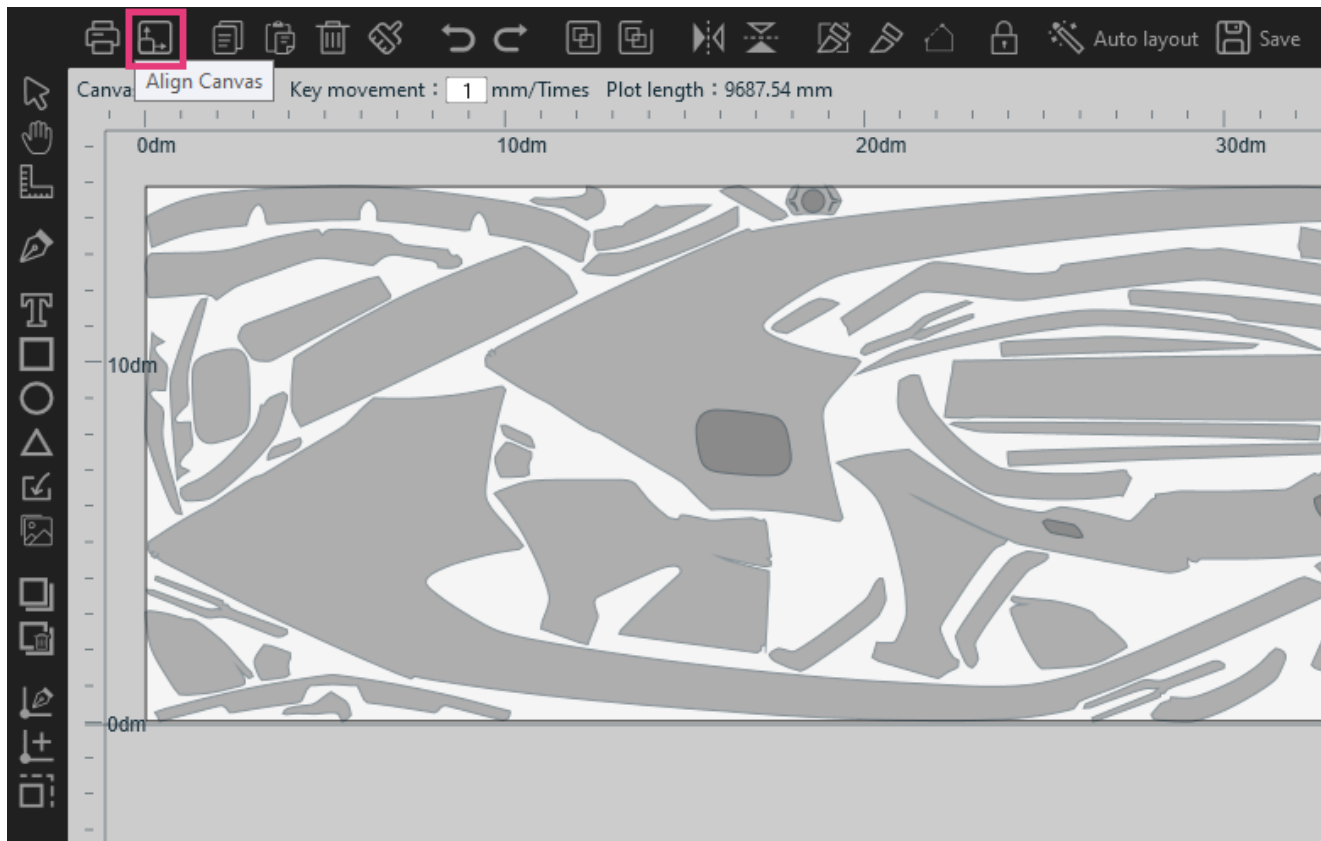
ALIGN CANVAS

The **Align Canvas tool**  moves the selected patterns as close as possible to the bottom left edge of the canvas.

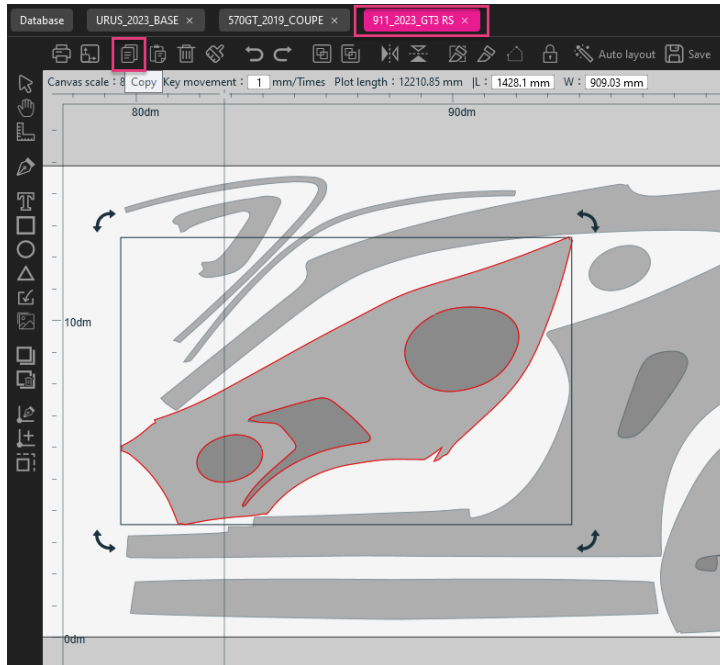
This tool moves the selected patterns as close as possible to the bottom left edge of the canvas.

We recommend using this feature only for one pattern or for a pre-assembled group of patterns.

If you use this function to align the patterns one by one, then, as you can see, they will line up one after the other along the bottom edge of the canvas.



COPY, PASTE, DELETE

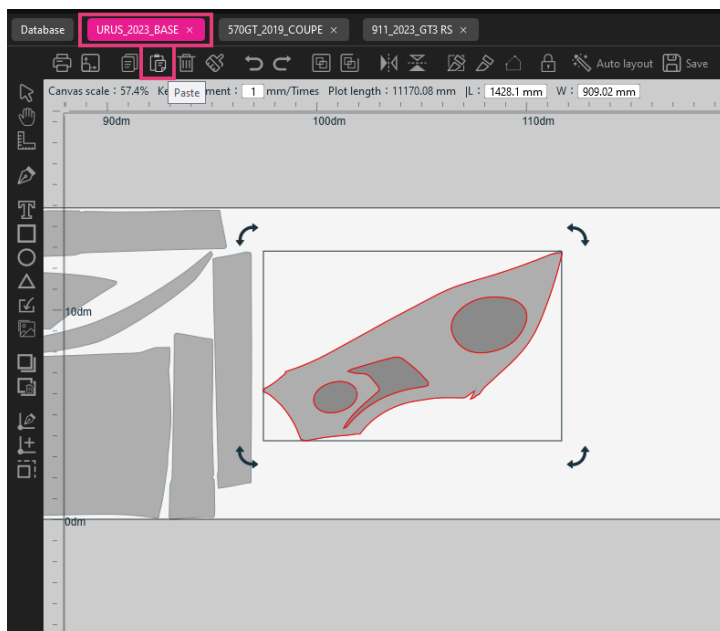



To duplicate patterns, use the **Copy**  and **Paste**  buttons, or the standard keyboard shortcuts: **Ctrl+C** and **Ctrl+V**.

You can copy a pattern from another car and add it to the already selected pattern in order to cut them altogether.


To do so, select the required model in the database. As you can see, it opened on a separate page.

Select the desired pattern, copy it, return to the working page, and click paste.




Use the **Paste button**  then move the cursor to the place where you want to place the patterns on the canvas and click the left mouse button.

Or use the keyboard shortcut **Ctrl+V**, the pattern will be inserted at the location where the mouse pointer is located.

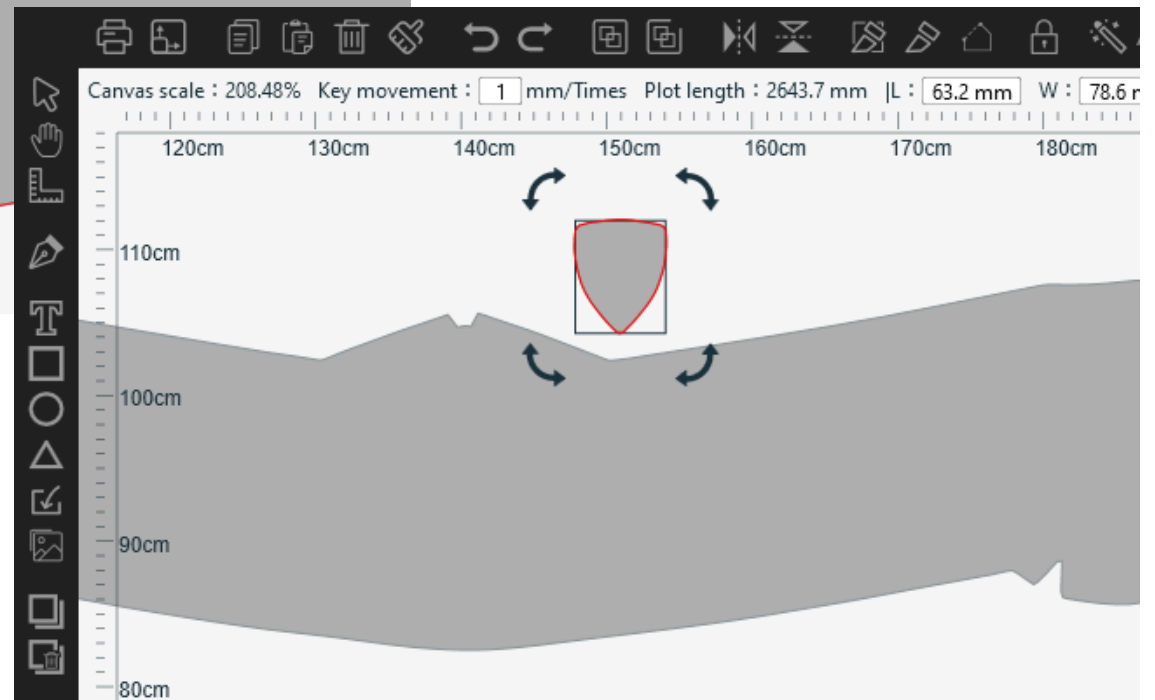
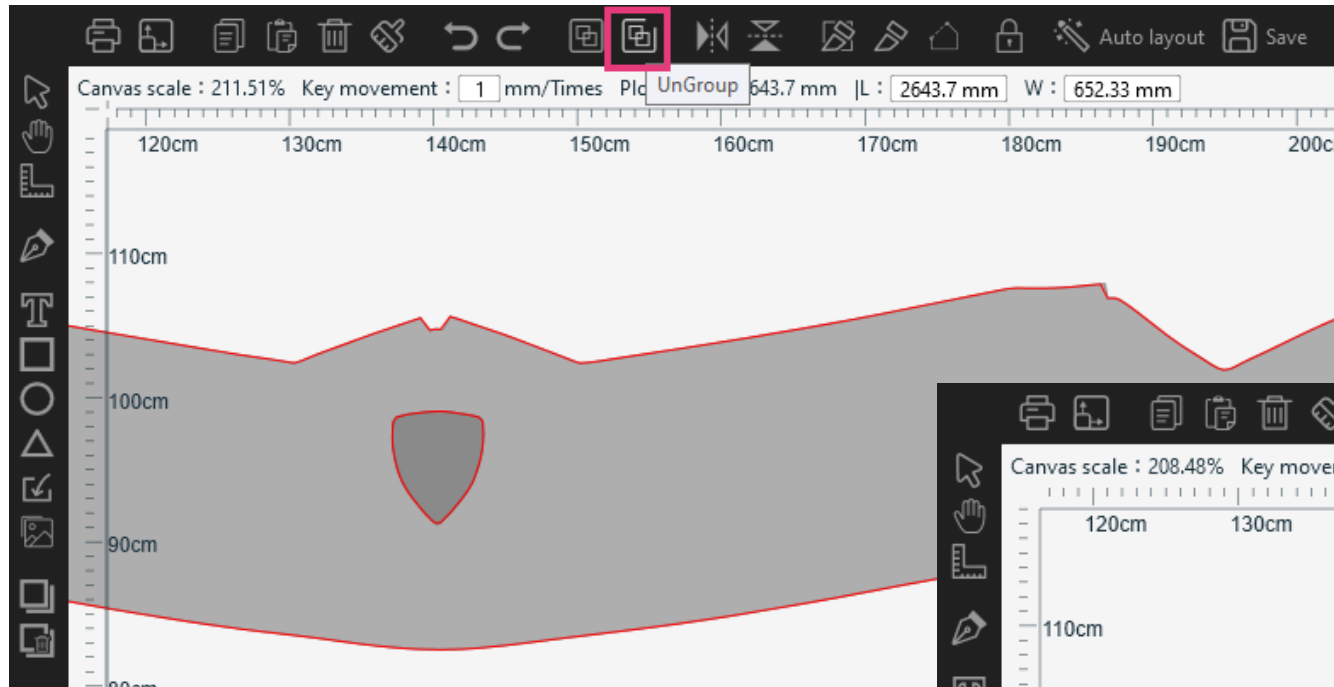
To delete a pattern by selecting it and then clicking the **Delete button**  on the toolbar, or by pressing the Delete key on your keyboard.

To delete all patterns at once by clicking the **Clear button** 

GROUP, UNGROUP

With the **Group tool**  you can link two separate patterns to move together or to make two patterns or two shapes into one and cut them one inside the other, like a hood emblem.

Using the **Ungroup tool**  you can unlink different elements of the same pattern from each other, such as the same emblem on the hood or the door handle, in order to cut these elements separately or not cut them at all.

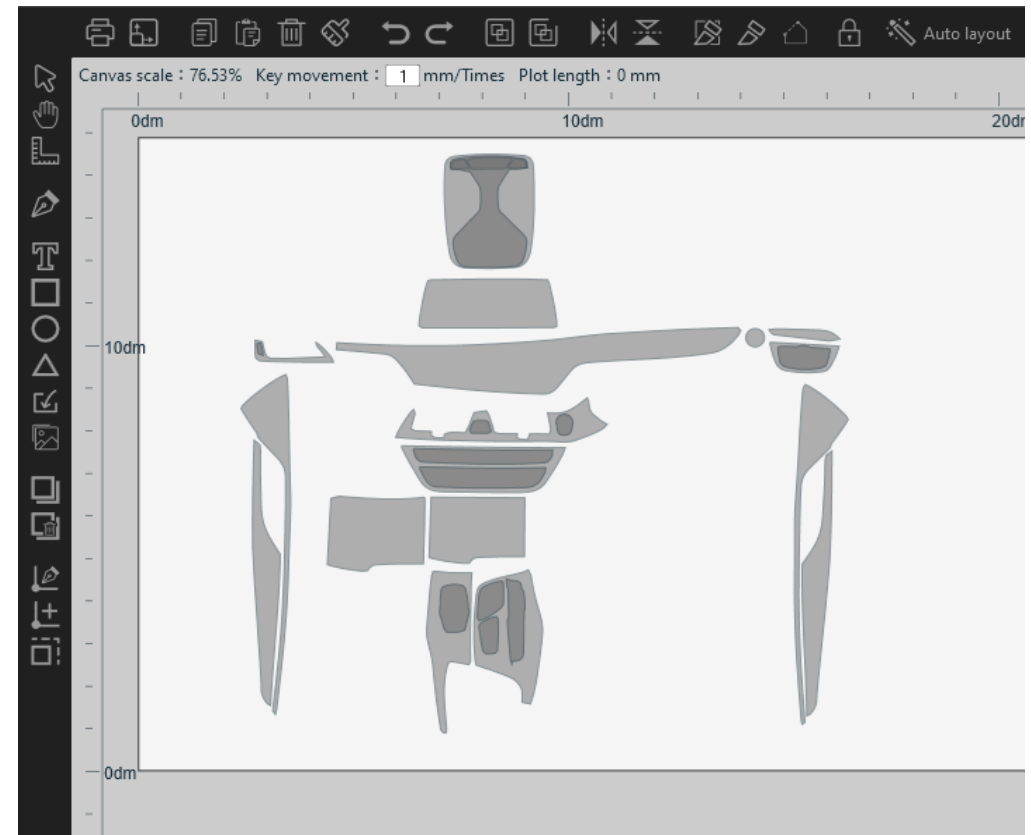
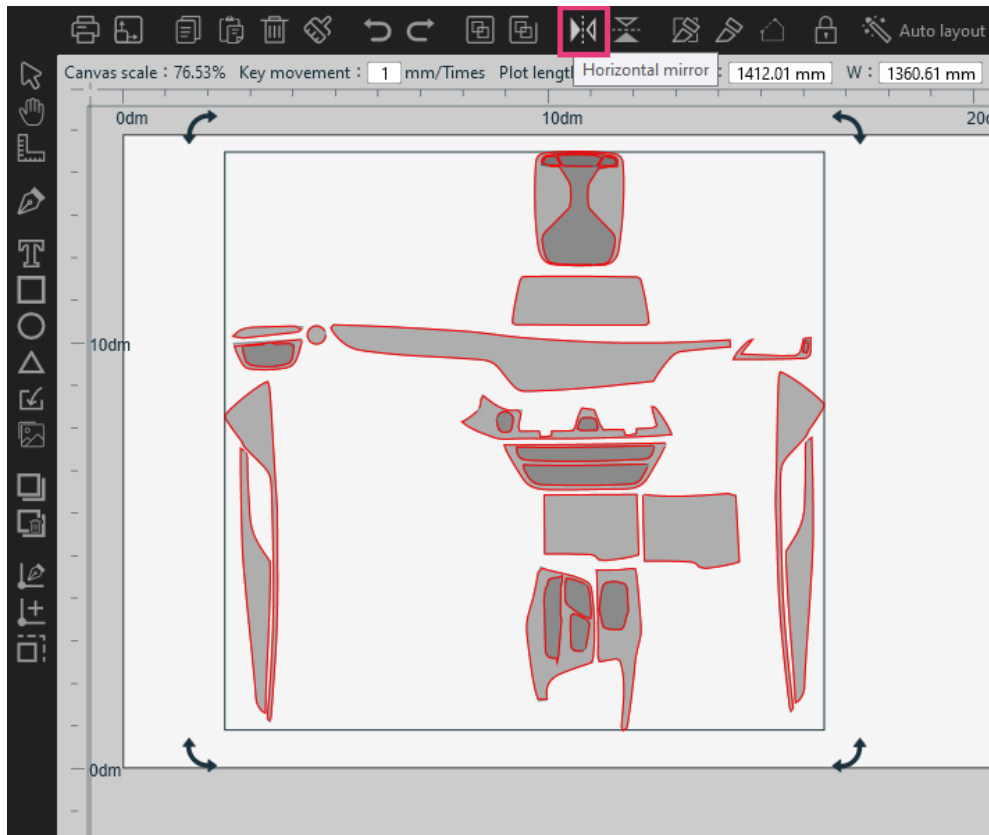


MIRROR TOOLS

Using the **Horizontal mirror**  and **Vertical mirror**  tools, you can mirror patterns horizontally and vertically, respectively.

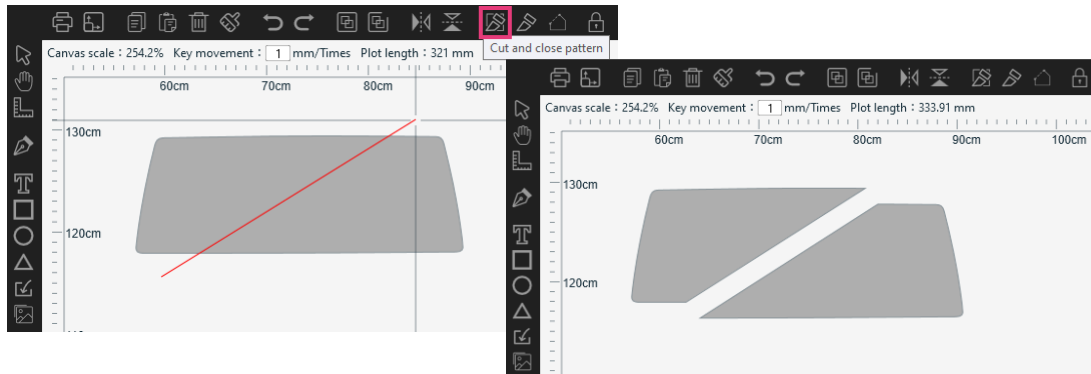
This feature is especially useful for mirroring elements of a car's interior, if, for example, you have a right-hand drive version of the car.

Select all the patterns and click **Horizontal mirror** .



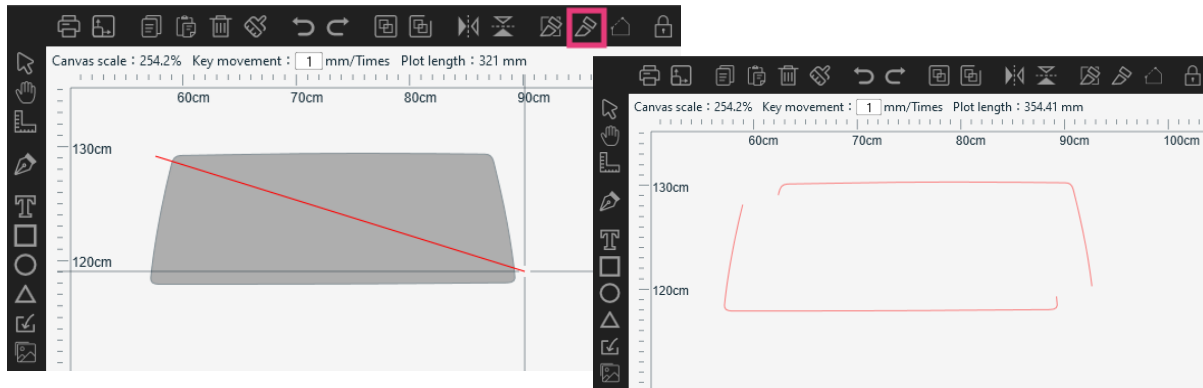
CUTTING TOOLS


The **Cut and close pattern**  and **Cut and unclose pattern**  tools. These two tools work like a knife that cuts the film.

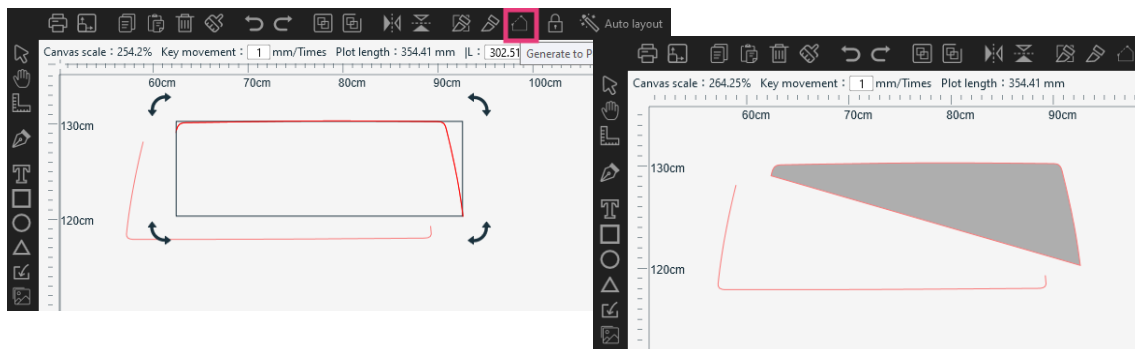



Cut and close pattern tool  allows you to separate patterns and close them along the cut line, making them full-fledged figures separate each from other.

Select the tool, **hold** the **left mouse button** and draw a line through the pattern where you want to cut it.



Cut and Unclosed pattern tool  cuts the shape without drawing a closing cut line, leaving these sides open.



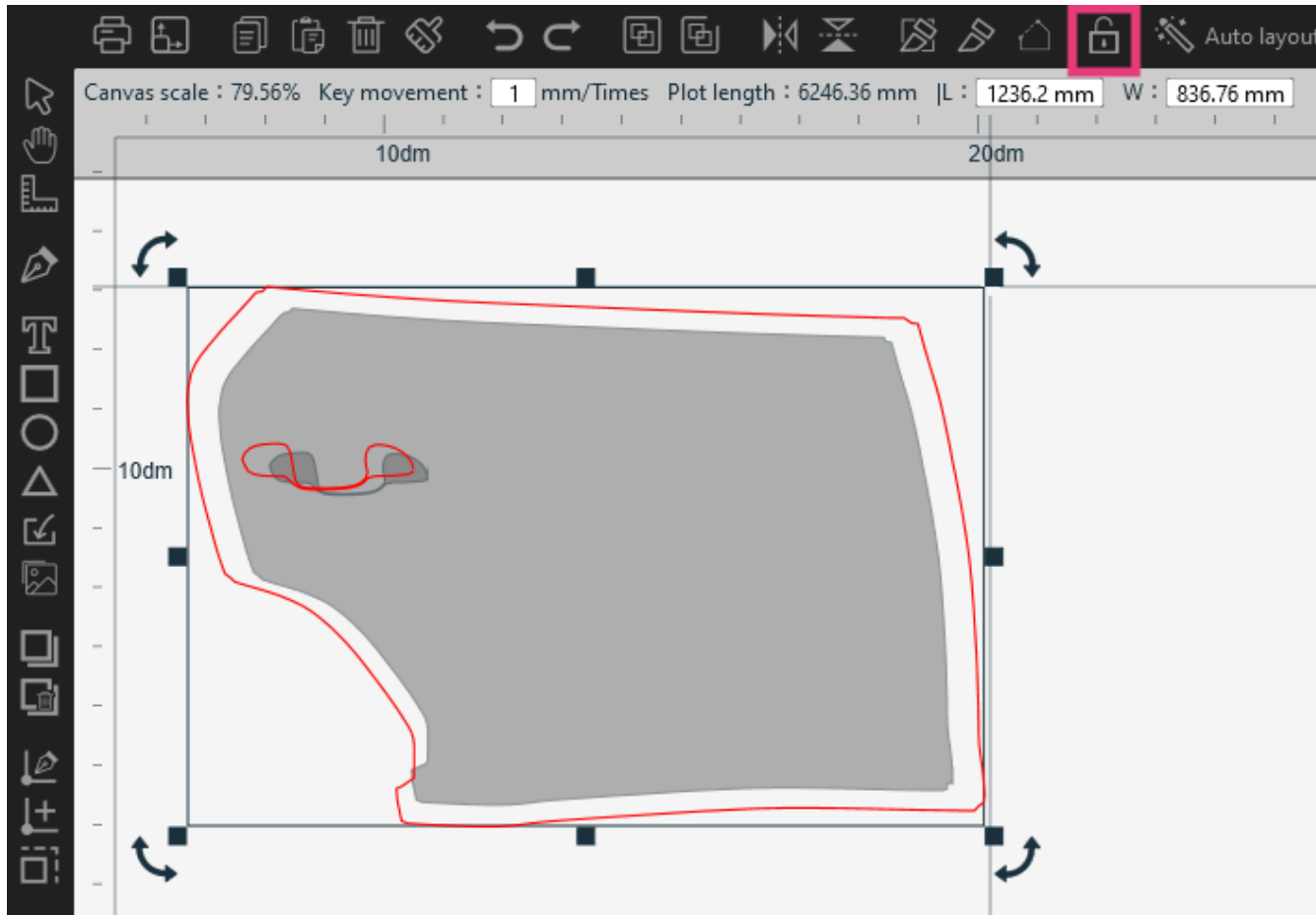
Use the **Generate to Polygon** tool  to close the open areas of the shape with a connecting line between the open points.

ZOOM LOCK


The **Zoom Lock function**  locks or unlocks the ability to change the size of the pattern.

Unlocking allows you to change the size of the pattern vertically, horizontally or proportionally in all directions by dragging the corner point.

By combining the Shift key on the keyboard with the left mouse button and dragging the mouse over a corner point, the size of the pattern will change from the center of the pattern.



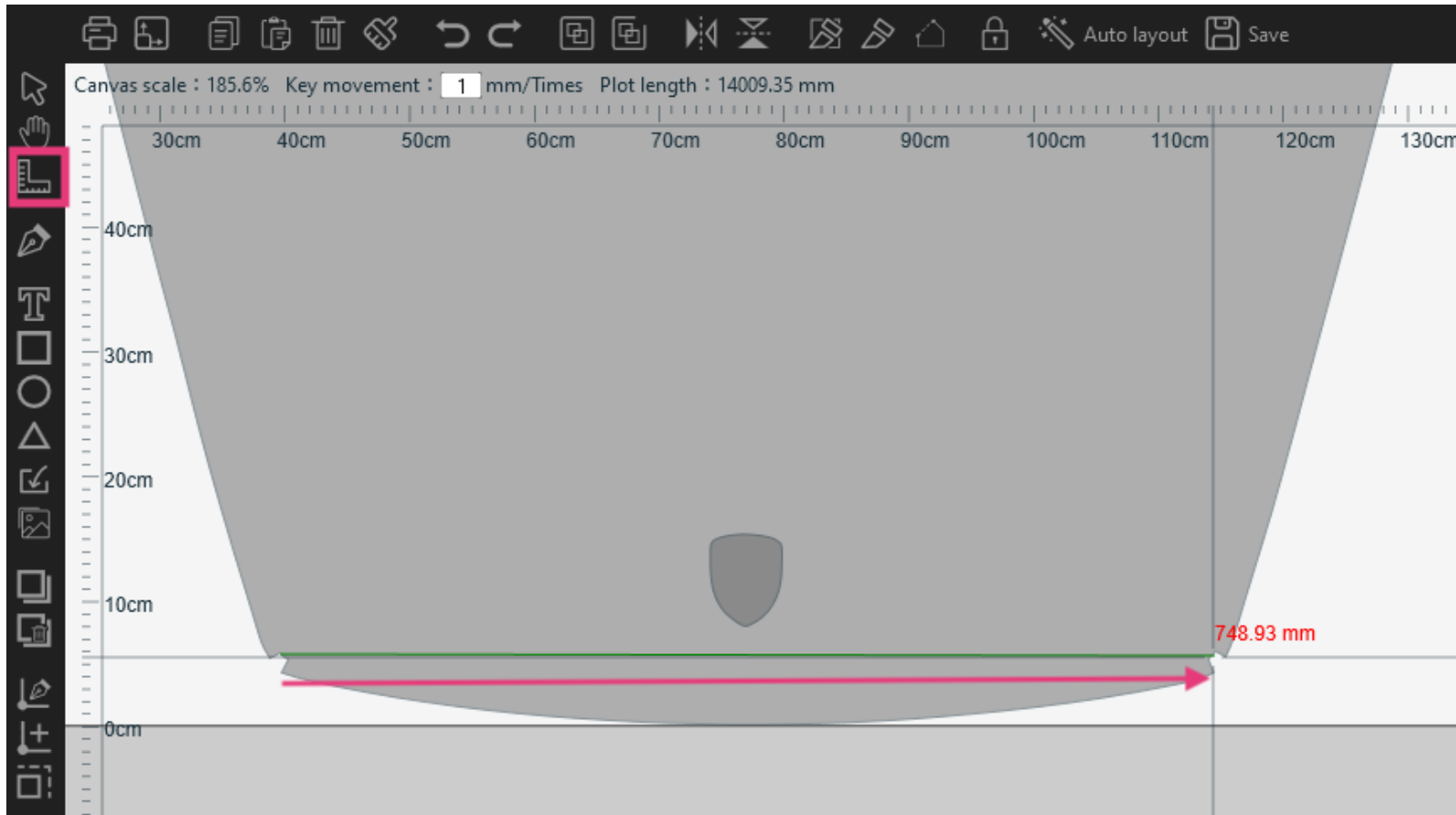
RULER - MEASURE TOOL

To measure patterns, use the **Ruler tool** 

Move the mouse pointer to the point where you want to start measuring the distance, **hold down** the **left mouse button** and move the pointer to the end point.

Next to the pointer you will see information about the measured distance.

Release the left mouse button to complete the measurement.



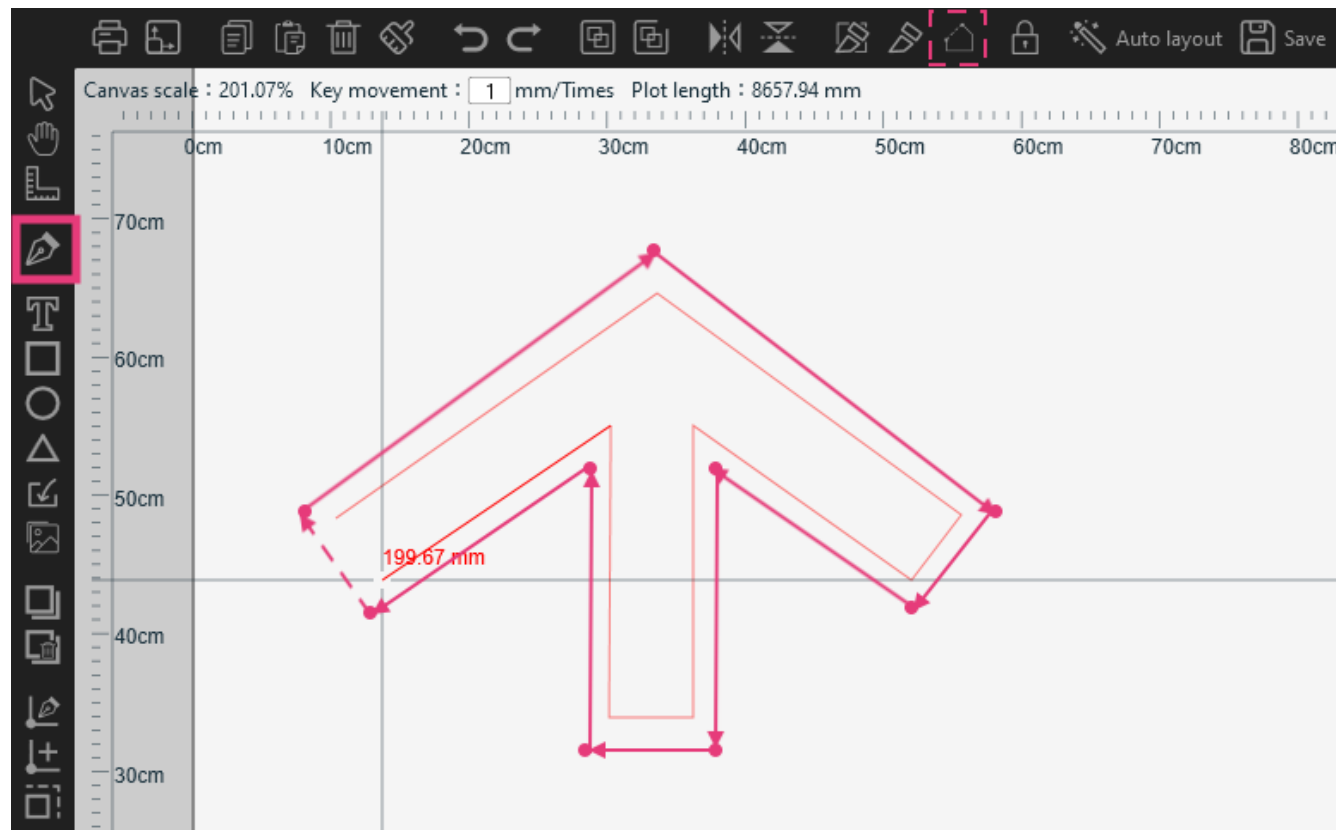
CREATING PATTERNS

Use the **Pen** tool  to draw a custom shape.

Press the left mouse button to set the first point, draw lines by clicking the left mouse button again in the places where you need to set new points to change the direction of the line.

Double-click the **left mouse button** to complete the shape.

To connect the first and end points, click on the **Generate to Polygon** tool 



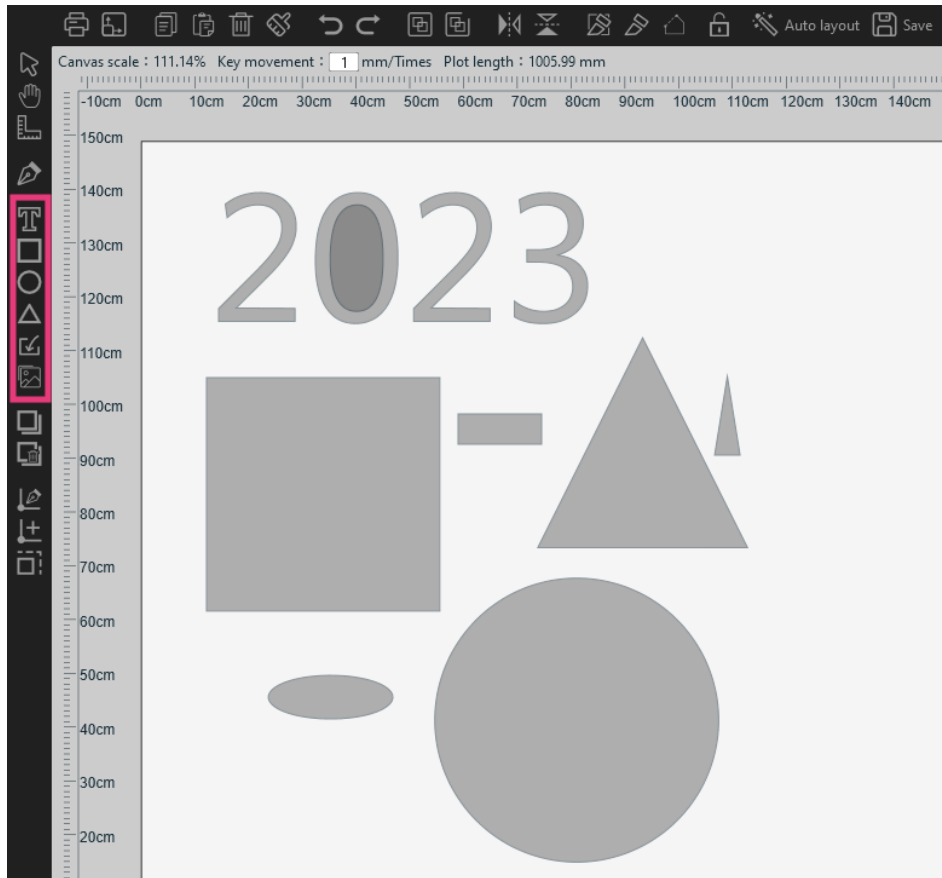
Also use the Pen tool to measure the pattern.


Click the **left mouse button** once, set the start point, and draw a line to the end point that needs to be measured.

The distance indicator is shown next to the mouse pointer.




Double-click the **left mouse button** to finish.

TEXT, RECTANGLE, CIRCULAR AND TRIANGLE TOOLS IMPORT PICTURES AND PLT FILES





The **Text tool**  allows you to easily create different lettering or numbers that you can also cut out.

For example, the name of your company or a race track number.

Use the **Rectangle**  **Circular**  and **Triangle**  tools to create the corresponding shapes.

When **holding down** the **Shift key** on the keyboard, the shapes will be created equilateral.

To **Import PLT files**  and also edit them using the Kavaca Smart Cut tools, select **Import custom PLT files** button 

You can also import an image and create a pattern using the software tools.

We told you about all the features and tools of Kavaca Smart Cut. You can learn more about the functionality of the software in our video instructions, located in the software Home page in the Software Guide section.

For all questions and recommendations, please contact our support. We will be happy to assist you!

support@nanoshine-group.com.

**WE HOPE YOU WILL ENJOY USING OUR SOFTWARE,
THANK YOU FOR CHOOSING KAVACA SMART CUT!**

CERAMIC PRO

KAVACA

NANOSHINE GROUP CORP