The Custom Designer Admin System

Thomas Vilmin 23/03/2017

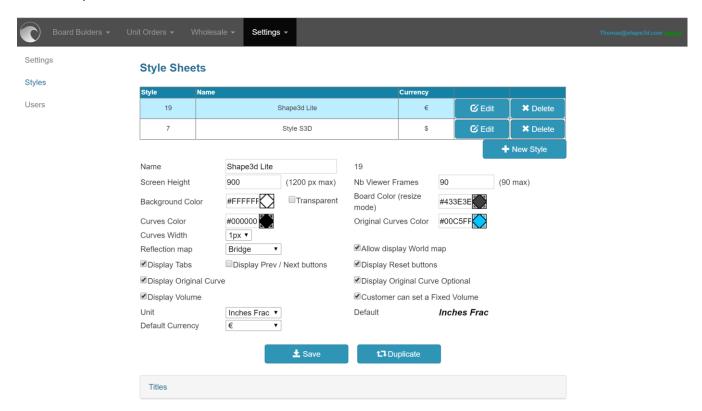
The Admin pages allow creating new Custom Designers, and defining adjustable parameters.



The Images, Styles, Options, Colors and Fins Sets should be defined prior to the creation of the Board Custom Designers.

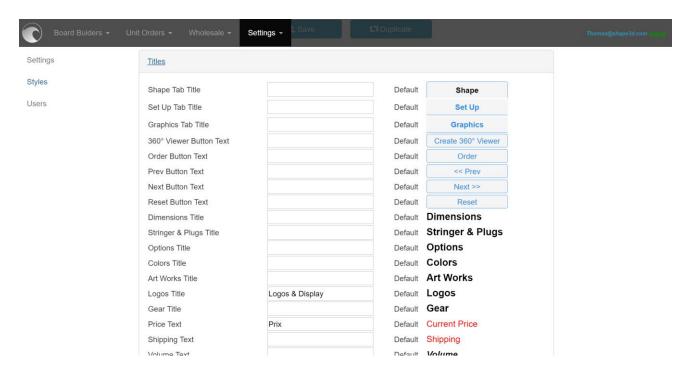
Styles

The Styles screen first allows defining all the **currencies** you'll work with. You need to define at least on currency.

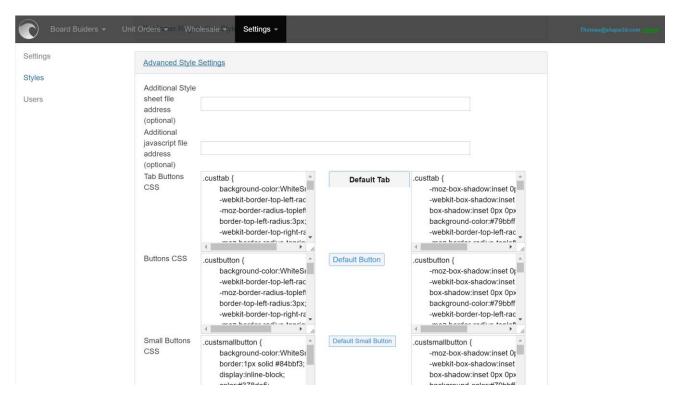


Several **style sheets** can be created. Each style sheet defines the dimensions of the screen, the colors, unit...

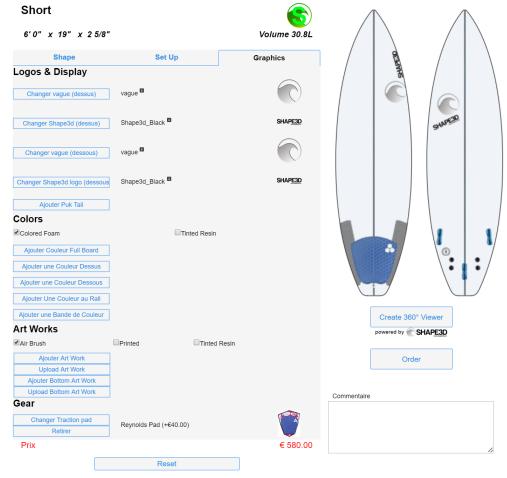
The titles of each section can also be changed, as well as each word appearing on the Custom Designer.



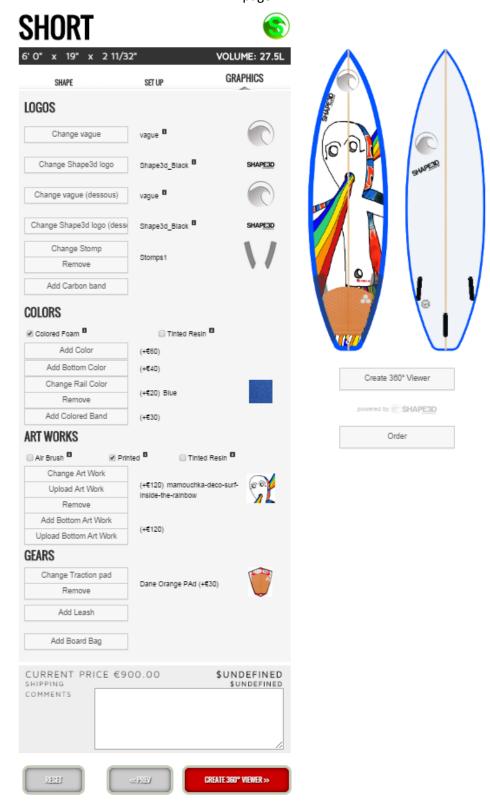
There are also advanced settings that allow defining the CSS of each component of the screen (buttons, titles...). And also add a css and js file url.



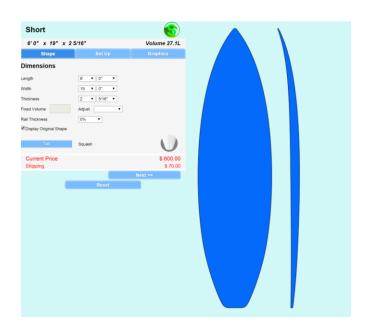
Here is an example of default style custom designer using the page **DesignerBootstrap3D.aspx**:



And here is an example of custom designer with additional style sheet and js file using the same page:



The responsive version of the board builder **DesignerBootstrap3D.aspx** is a version that gives an adapted display on smart phones an tablets:

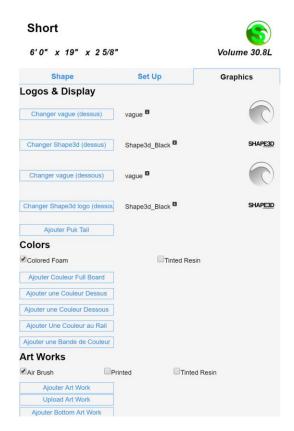




Changing the css allows displaying the board on the left hand side using the instructions: $@media (min-width: 992px) {}$

```
#ColParameters {
    position: absolute;
    right: 0px;
}
#ColBoard {
    position: absolute;
    left: 0px;
}
```





Here is an example of 3D Board Builder integration, with the size of the board adapted to the screen size:

http://www.shape3d.com/BoardBuilderIntegration.html

```
The iframe code is:
```

```
<iframe id='designerFrame' src="" style="border-style: none; width:100%; height:700px;" webkitallowfullscreen mozallowfullscreen allowfullscreen></iframe>
```

```
The iframe source is filed at the page loading by the javascript function:

$(document).ready(function () {
    var h1 = $(window).height() - 150;
    document.getElementById('designerFrame').src =

"http://www.shape3d.com/BoardDesigner/DesignerBootstrap3D.aspx?Board=20&Height=" + h1;
});
```

```
And the iframe size is adapted to the Board Builder's size by the function: function receiveMessage(event) {
    var h = parseInt(event.data);
    if (h > 0 && document.getElementById('designerFrame')) {
        document.getElementById('designerFrame').style.height = h + "px";
        document.getElementById('designerFrame').scrolling = "no";
    }
}
```

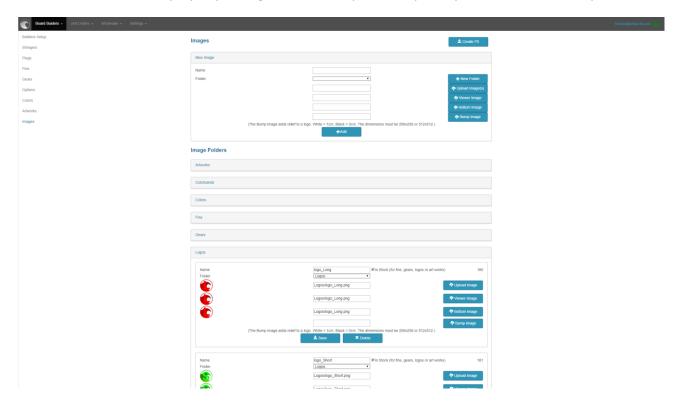
Note that you need a jQuery library:

<script type="text/javascript" src="http://www.shape3d.com/js/jquery-1.7.min.js"></script>

Images

All the images used in the Custom Designers must be uploaded beforehand in the Images page. For each image, two sizes can be uploaded, one for the board viewer, and one for the page display (small logos are better rendered in the 2D view and 360° viewer if the image is small, while you need a bigger image in the web page).

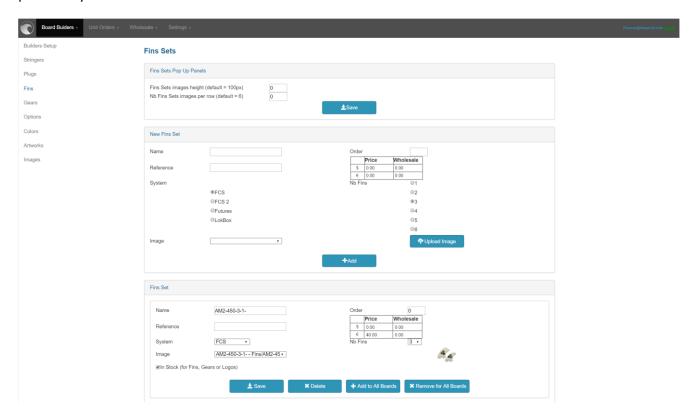
If the check box "In Stock" in unchecked, the image won't appear anymore in the fins, gears or logos choices. You can use this property if a logo or a traction pad is temporarily out of stock for example.



Fins Sets

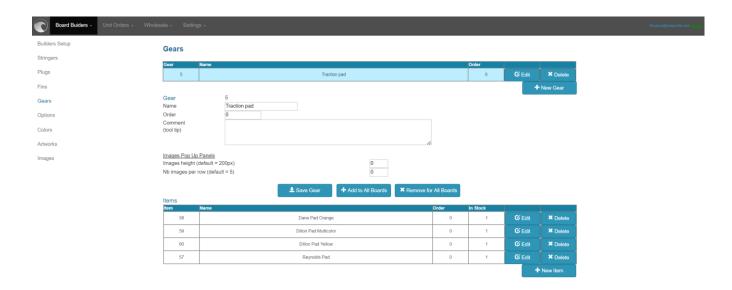
Here we define the list of fins sets. For each set, the number of fins, plug system, price and image are defined. The size of the images displayed in the pop up panel as well number of images per row can be defined here.

You can add a reference to each fin set, which will be transmitted with the price when an order is passed to your website.



Gears

Additional gears can be defined, like leashes, board bags...



Each item has its price, and can be associated to a length and width range.

You can add a reference to each item, which will be transmitted with the item price when an order is passed to your website.

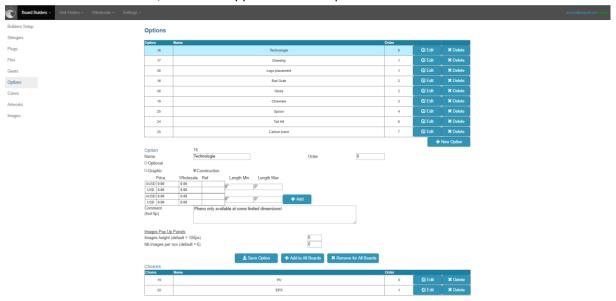
Options

One can define as many options as wanted.

An option can be **Graphic**, in this case it is displayed in the Graphic tab.

It can be a **Construction** option, in this case other options can be hidden depending on the selected choice.

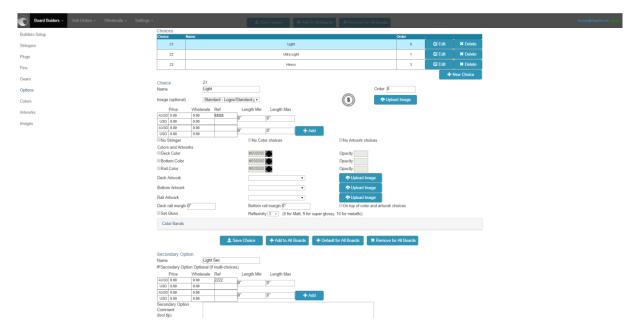
A comment can be added, which will appear as a tool tip 1.



- The price of the options can be defined by length range. If a length is not covered by any length range of the prices, the option is hidden.
- An option can have only one choice; in this case it will appear as a check box.
- It can have several choices defined. In this case, if the Optional check box is checked a blank choice will be added.

If each choice is associated with an image, it will appear as an image data list. The size of the images in the pop up panel can be defined as well as the number of images per row. If no image are associated to the choices it will appear as a drop down list.

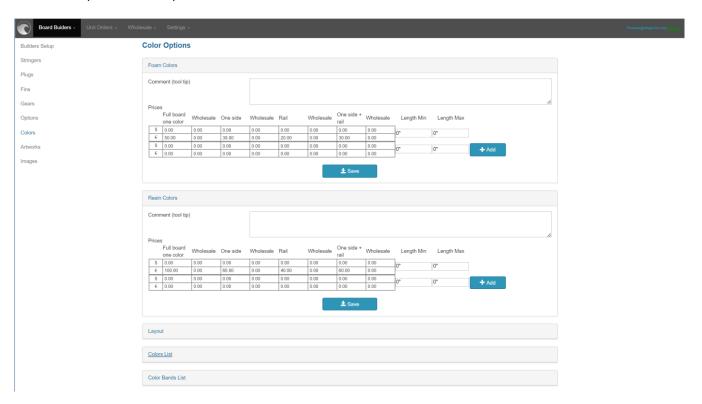
The price of the choices are added to the option's price.



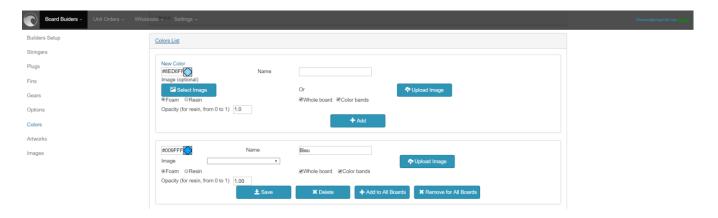
Each choice can be associated to a secondary option. So the secondary option and the secondary option choices can be different for each choice. The secondary option choices can be associated to an image (in this case they will be displayed in a pop up panel), or not (in this case they will be displayed in a drop down list).

Colors

The additional costs associated to Foam color or Resin color can be defined for several length ranges for full color, bottom color, rail color and band color.

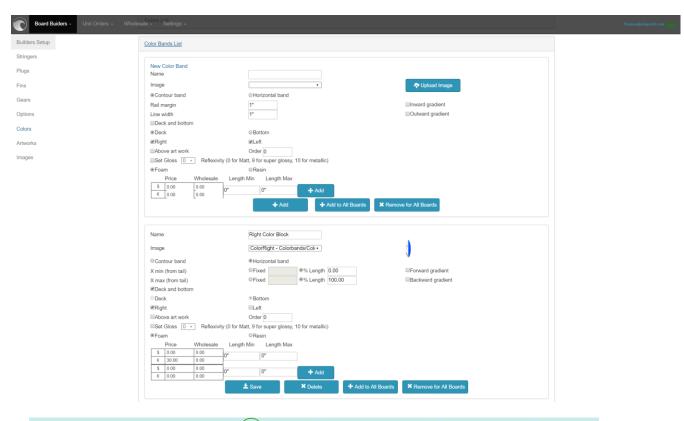


The **Colors** that will be used for the colored foam or tinted resin must be defined here. An image can be associated to each color.



A list of **Color Bands** can be created, so that the customers can add colored border bands, or colored horizontal bands, using the list of colors defined above.

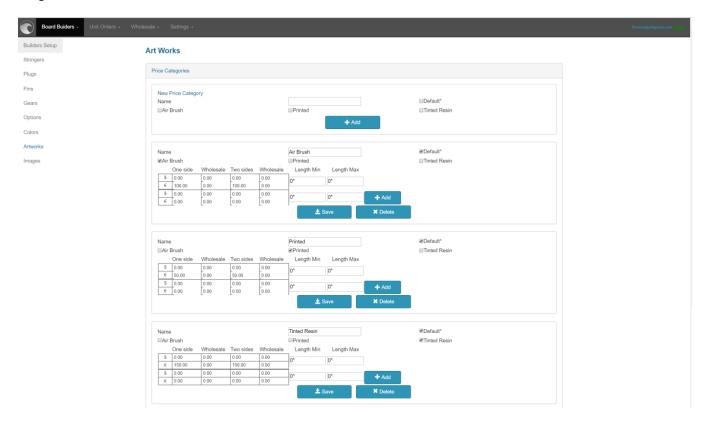
Each color band can be set for foam color or tinted resin, deck and/or bottom, left and/or right. The color can be solid or gradient.



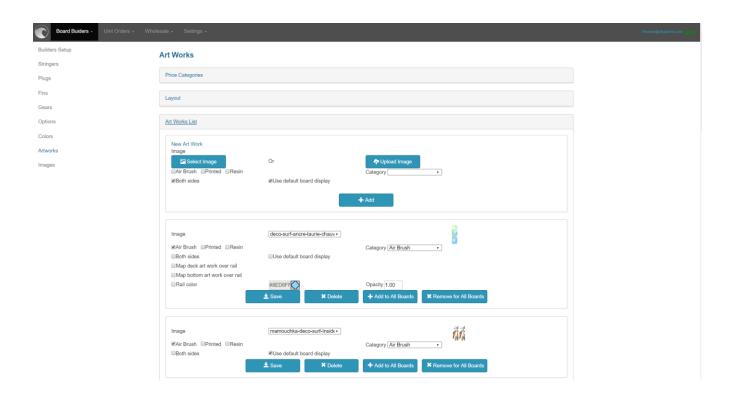


Art Works

The prices of the Air Brush, Printed or Tinted Resin art works can be defined for several length ranges.



The art works that will be proposed must be defined here.



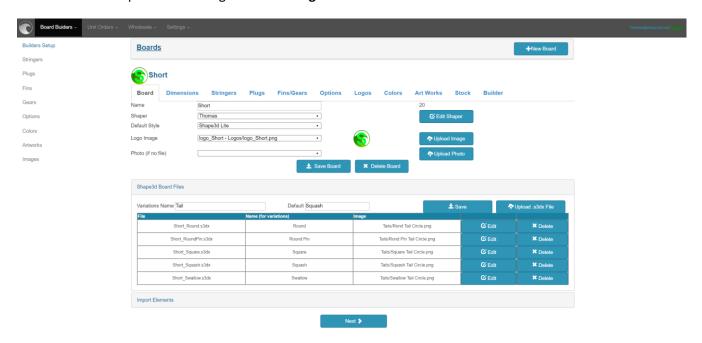
Boards

The Shape3d X board files must have been saved with version **9.0.8.8** and later, with the plugs defined, and the stringer and logos.

Each Custom Designer has a name, and can have a logo image.

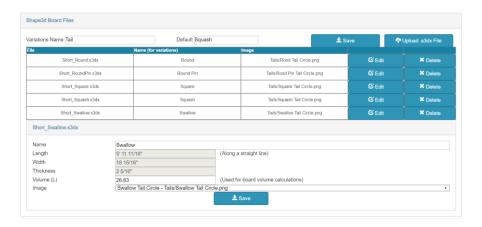
You can also choose a default style sheet from the list of **style sheets** you already defined. Note that the style sheet can be changed calling the Custom Design with the argument "**&CustomStyle=2**" for example, 2 being the number of the style sheet.

The height of the 2D and 3D board display is by default the one defined in the style sheet in pixels. But it can also but passed as an argument: "**&Height=900**".



Files & Elements

At least one file must be uploaded. Heach file is recorded in the database with its dimensions (straight line measurements), volume, outline, stringer and slices curves. The file volume is used for computing the customers board volume by homotetie. This reference volume can be modified if needed.



When the first file is loaded, you can import its dimensions, fins plugs, stringers, logos and 3D layers in the Custom Designer.

A list for variation files can be added, and you can set the name of the variations proposed; like Tail Shape for example. When several files are loaded, each file can be associated to an image; in this case the file choice will appear as a pop up panel with images. If no images are associated to the files, they will appear in a drop down list.



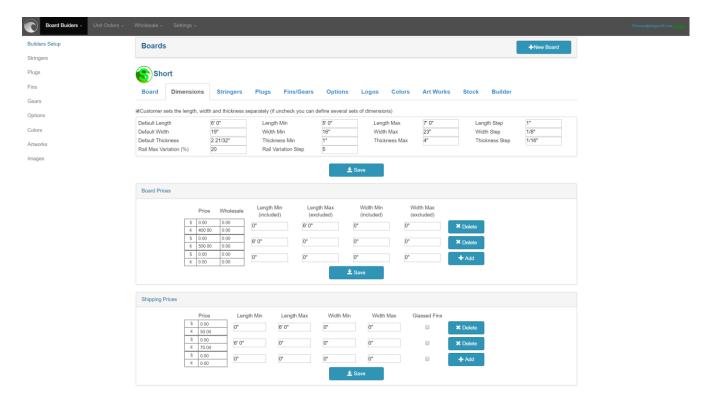
The Custom Designer elements can also be imported from another board custom designer, as well as the prices, options, stringer woods and fin systems allowed, colors and art works choices...



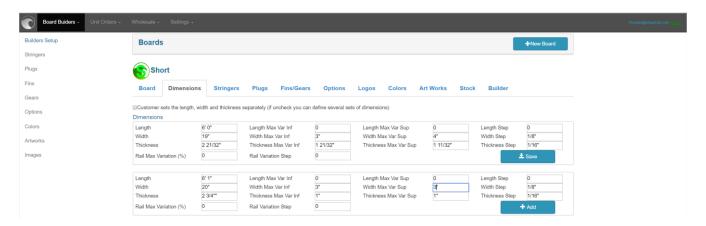
Dimensions

The dimensions range is set by default to 2' around the length of the board file, 6" around its width, 2" around its thickness, and a max rail thickness variation to 20%. These ranges, as well as the variation steps, can be changed.

If the check box "Customer set the dimensions" is checked, the default, minimum and maximum dimensions are defined, and the customer set the dimensions directly.



If the check box "Customer set the dimensions" is unchecked, several dimensions ranges can be defined, and the customer will have the choice in a list of length x width x thickness trios, from which he can set some adjustments.



The Dimensions screen also allows defining the **Price** of the board per dimension ranges.

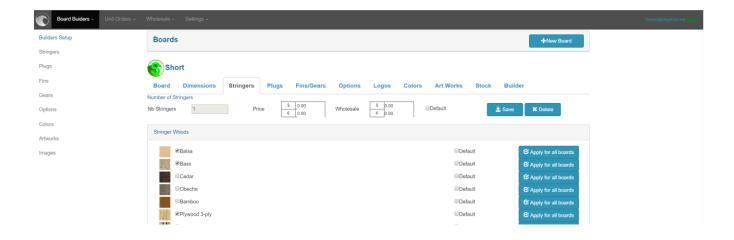
A price is applied if **Length Min <= Length < Length Max** and **Width Min <= Width < Width Max**. A Min or Max value won't be taken into account if set to 0.

The **Shipping Prices** can also be defined by dimensions ranges and depending if the fins are glassed or not. If all the shipping prices are defined with the Glassed Fins option unchecked, it won't be taken into account.

Stringers

If the loaded file has several stringers, the choice can be given to the customer between several stringer numbers (for longboards essentialy).

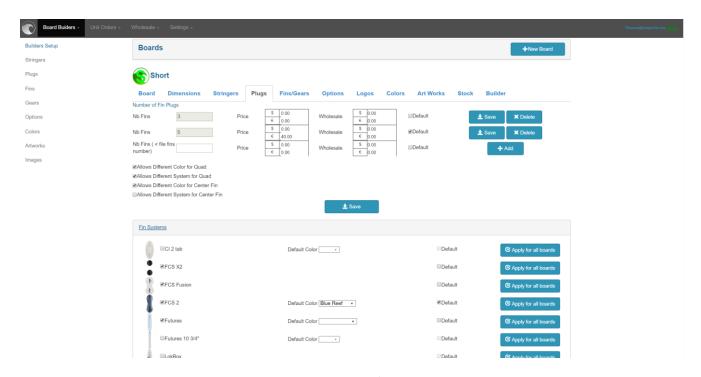
Check the stringer woods that will appear in the Custom Designer. A price can be set for each.



Plugs

The choice between several fin plugs numbers can be given to the customer, from the number of fin plugs defined in the loaded file to 0.

Check the fin systems that will be allowed in the Custom Designer.

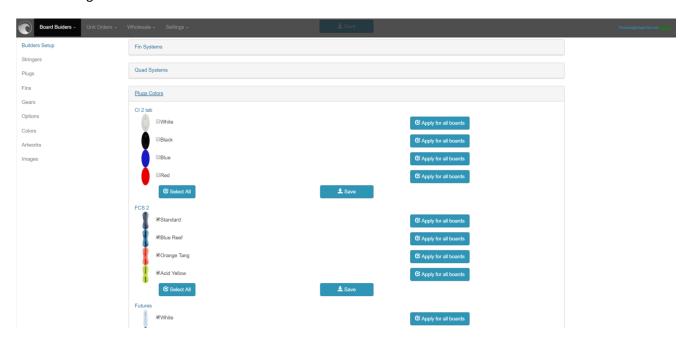


You can allow the customers choosing a different color And/Or a different system for the Quad trailers and the center fin plug.

This also allows setting a different list of allowed systems for tri, quad and center fins. This can be useful for a longboard with a long box at the center and FCS or Futures plugs for the side fins.

If the default system is not set for quad and center fin, they will be set identical to the general system automatically. Idem for the default color.

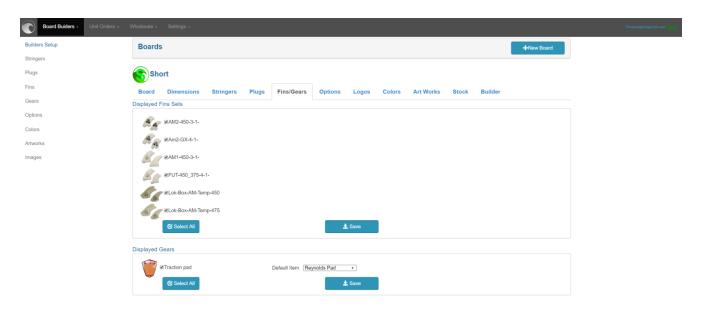
For CI plugs and Futures Fins, a list of colors can be set. A choice between several leash plug colors can also be given.



Fins / Gears

Check the fins sets that will apear in the Custom Designer in the list of fins sets you defined beforehand.

For the gears, a default item can be selected.



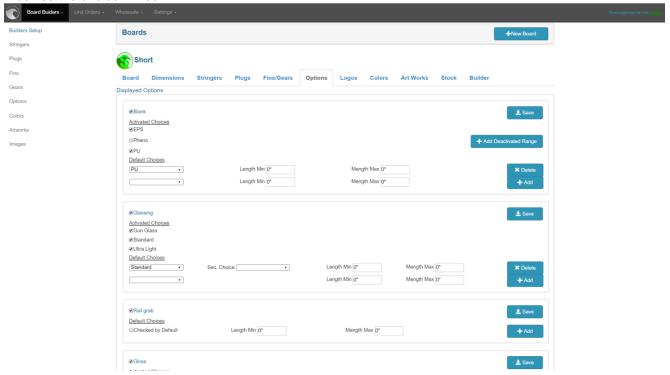
Options

Check the options that will apear in the Custom Designer in the list of options defined beforehand. The choices can also be deactivated board by board.

If the Min and Max lengths are set to 0, it means that the default choice will apply for all board lengths. If the min length is set to 0, only the max length counts. It the max length is set to 0, only the min length counts.

If the customer chooses a length out of all length ranges defined for an option, the option won't appear on the custom designer.

The default option choices are set each time the customer changes the board length unless he has modified the choice himself.



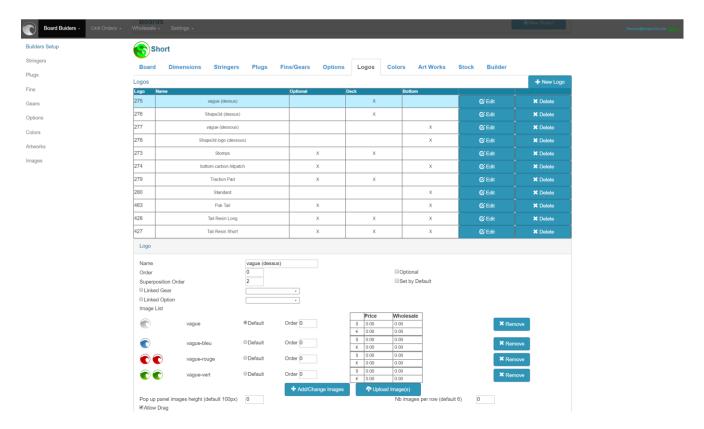
Each option can be associated to one or several 3D layers, so that the 3D layer will be added to the 360° viewer if the option is selected by the cystomer.

Logos

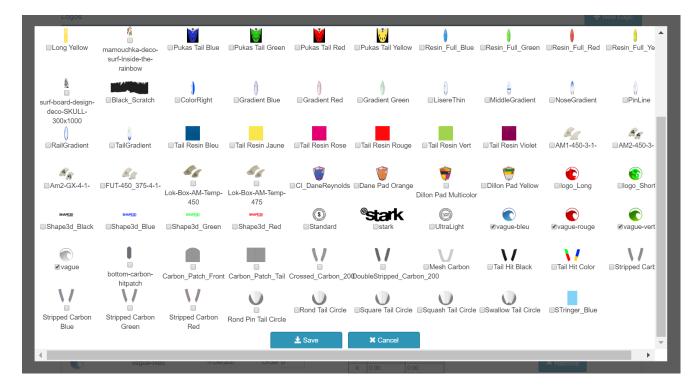
The logos are loaded from the file by default. New logos can be added later on.

Order defines the order of apearance in the Custom Designer. While **Superposition Order** defines order of drawing in the 2D views and 360° viewer (from 0 to any higer value).

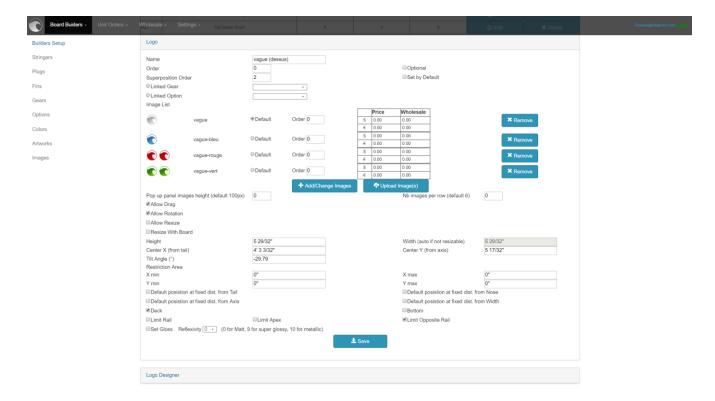
Each logo can be set as optional, with a defined price.



Several images can be choosen for the same logo. Note that they should have the same dimensions not to be distorded. Each image can have a defined price.



A logo can also be linked to an option or to a gear. In this case you don't need to set an image list; the images of the gear items, or of the option choices, will be displayed on the board.



The default dimensions, position and angle of rotation are set.

The logos can be draggable, rotatable and resizable. They can also be resized proportionaly to the board dimensions.

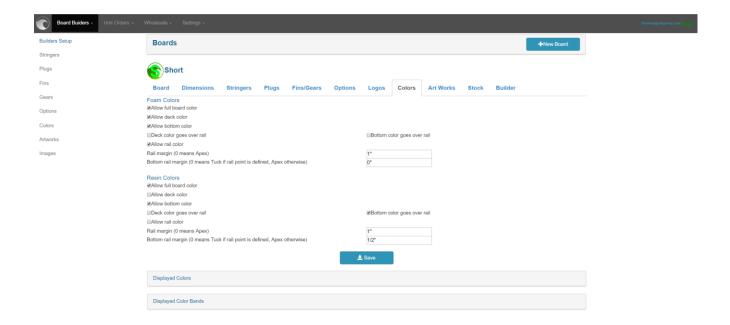
It's default position can be set to a fixed distance from tail or nose, axis or width. If none of these options are checked, the initial position of the logo is modified proportionaly to the board dimensions

They can be placed on the deck or the bottom, and restricted to the tail or nose (if draggable).

Colors

For each board, the **Colored Foam** and **Tinted Resin** options can be added or not, for the whole board, the bottom, the rail, and a band. You can choose if the deck color will be applied until the tuck, or until a fixed margin from the apex. The width of the band as well as it's distance from the rail are also defined here.

For each board, check the colors and color bands that will be proposed in the custom designer.



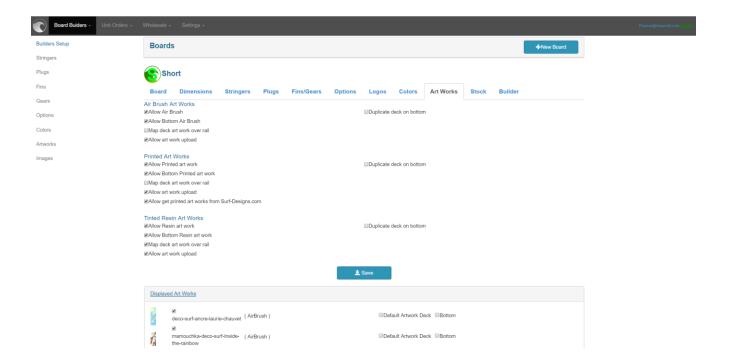
Art Works

The Air Brsuh, Printed or Tinted Resin art works options can also be added or not for deck and bottom. You can choose if the deck art work will be applied until the tuck, or until a fixed margin from the apex.

You can also allow the customer adding a pin line.

The upload of art works by the customer can be allowed, and a list of predefined artworks can be selected from the list of art work files created beforehand.

You can also add the "Surf-Design.com" button so that the customers can get the art works directly from the www.surf-designs.com web site.



Stock

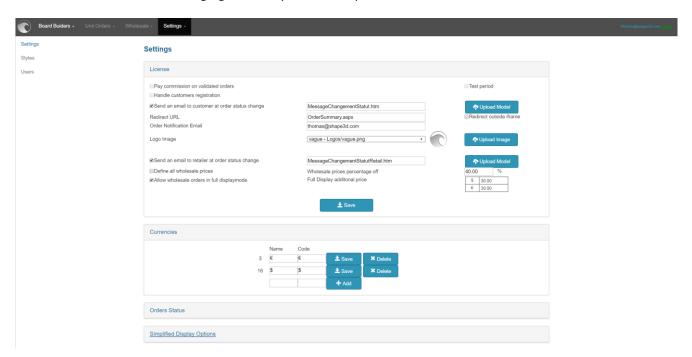
A set of stock boards can be defined: click one the <u>New Stock Board link</u>, and setup the board like if you were a customer. Then press the Save as Stock Board button.

Then when a customer choose a length that corresponds to a stock board, the width, thickness and all the other choices will change to those of the stock board.



Settings

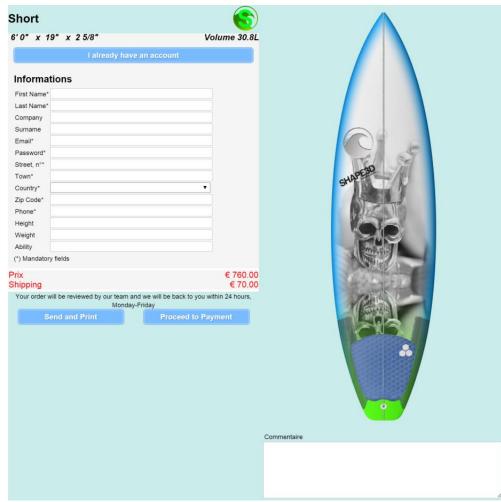
The License screen allows changing some of your license parameters.



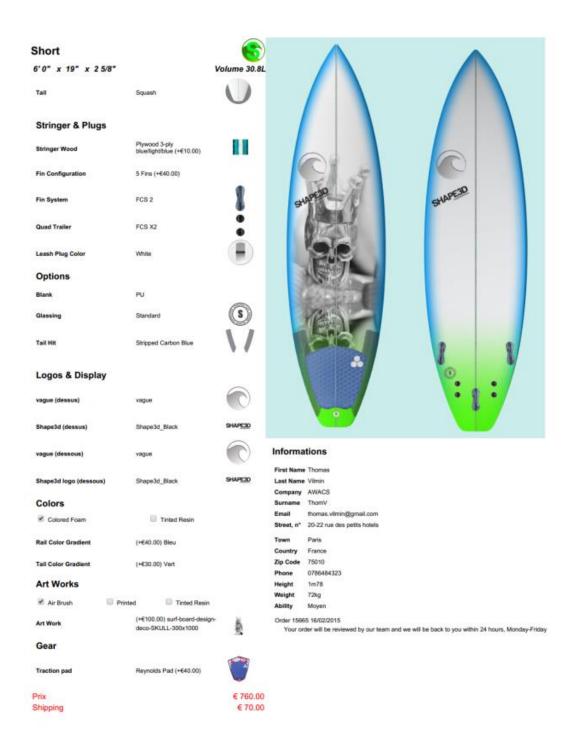
As long as the **Test period** box is checked, the commissions are not counted, and the **TEST** mention appears on the Custom Designer screen.

The customers' registration for each order can be handled by the shaper's website, or by us.

- In the second case, the orders can just be registered and sent to the shaper, or the online payment can be handled with your payment coordinates.



The complete order can be printed by the customer.



- In the first case, the URL of the order redirection must be defined here.

If your Custom Designer license is the one with a commission per validated order, only the order reference, price, board name and length will be transmitted:

OrderSummary.aspx?Order=157&BoardName=Bunny%20Chow&Price=590.00&Shipping=70.00&Cu rrency=€&Length=5%27%209&LastKey=True The remaining parameters will be transmitted when the order is validated.

Note that the orders can be validated in the admin section (see Orders farther down) or calling the page http://designer.shape3d.com/Shape3dWeb/BoardDesigner/ValideCustomOrder.aspx with the arguments Order=157 and License=37 (your license number).

If your Custom Designer license is the one with a flat rate per board, the redirection will have all the parameters of the order as arguments. For example:

OrderSummary.aspx?Order=157&BoardName=Bunny%20Chow&Tail%20Shape=Swallow&Length=5 %27%209"&Width=18%207/8"&Thickness=2%205/16"&Rail=0%&Currency=\$&Price=85.00&NbStringers=1%20Stringer&StringerWood=Plywood%203-

ply%20blue/light/blue&NbFins=3%20Fins&FinsSystem=Futures&FinsColor=White&LeashColor=White&Blank=PU&Glassing%20Layup=Standard%20(6E+4E/4E)/Sand%20Only&Layup%20Upgrades=S wap%201%20layer%20E%20(Deck)%20with%201%20layer%20S&ColorType=Foam&ColorBand=236 6A0&ArtWorkType=Printed&Stomps%201=Stomps%201&Hex%20Style%20(Deck)=Timmy%20Hex &Hex%20Style%20(Bottom)=Timmy%20Hex&Bathymetric=Bathymetric&ImageDeck=157_Deck.pn g&ImageBot=157_Bot.png&LastKey=True

An email can also be added so that a summary is sent when the customer press the order button.

Users

Users can be added to the admin system. They need to have an account created on the Shape3d website at http://www.shape3d.com/TryBuyRegister.aspx. Then you just need to add their email to the users list.



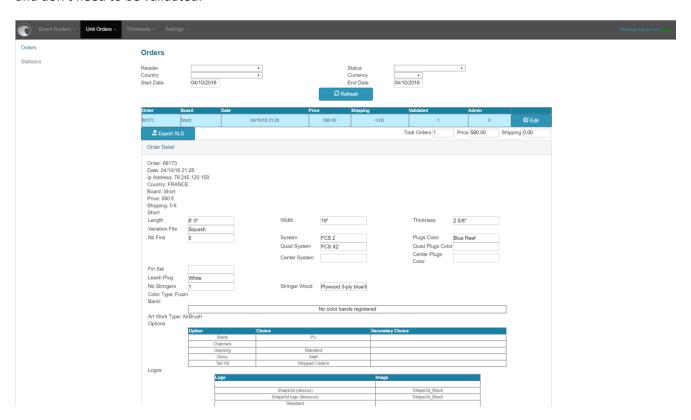
Orders

The Orders screen allows seeing all the orders over a defined period.

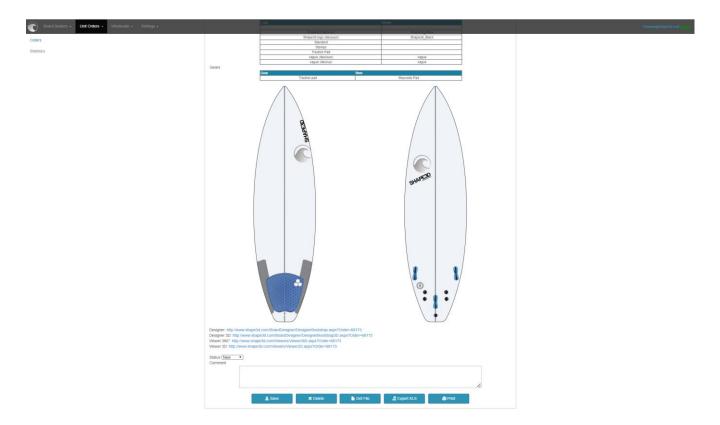
For shapers who chose to pay a flat yearly fee for each custom designer, all the orders data are accessible.

For the shapers who chose to pay a **commission** on each **validated** order, the orders data are accessible only once an order has been validated.

Note that the orders created by you while logged in the **admin** section are not subject to commission and don't need to be validated.



The orders that have been actually paid can be validated here. Once an order is validated, all the parameters are displaid.



Note that the orders created while logged in the admin system, or during the test period, don't need to be validated because there's no commission to pay. This will allow you to use the system to define a custom order for a customer in your shop whithout paying any commission.

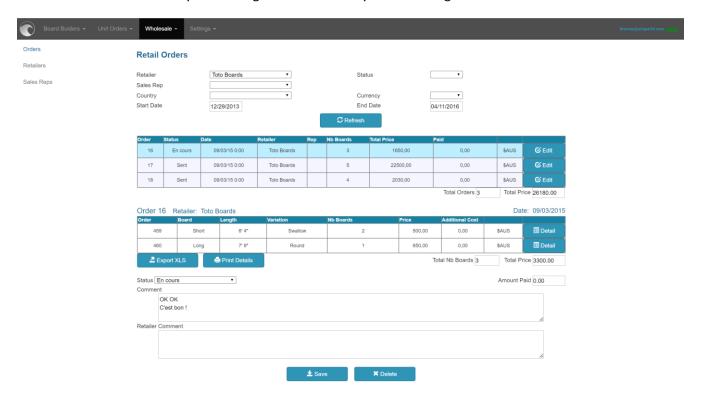
API

The boards measurements can be retrieved using the Board Builder API.

Simple exemples can be found at http://www.shape3d.com/APISamples/

Wholesale

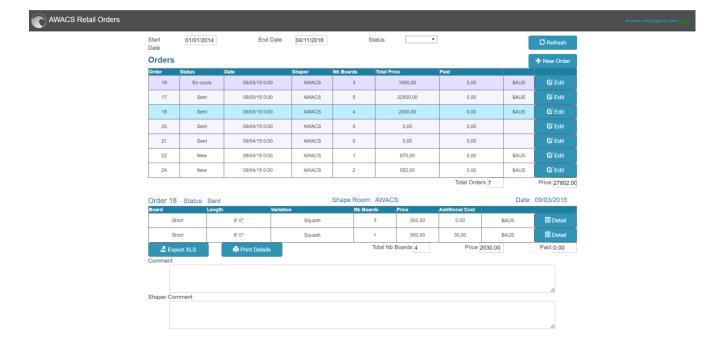
The Retailers section allows you defining a list of retailers you're working with.



You can create grouped orders using the Custom Designer for each model and defining the number of each board...

The retailers can also login directly at

http://www.shape3d.com/BoardDesignerAdmin/MyRetailerOrders.aspx to create their grouped orders and send them to you.



No commission will be paid to us for the retailer orders.

The retailers can also host your custom designers in their own website. And you can track the orders coming from them if they add their retailer number as an argument **Retailer=34**.