

Supports Editor

Supports Editor

UP Studio 2.2 provides a Supports Editor.

It helps you preview the model layer by layer and adjust supports, plus it shows you the results of changes you make to general support settings. You can exit the Supports Editor via the reset button and return to default Smart Supports.



The Supports Editor includes support and overhang structures.

Supports Editor

Support	ID	Angle	Enable	View
Overhang	1	30 Deg	<input type="checkbox"/>	
	2	30 Deg	<input type="checkbox"/>	
	3	30 Deg	<input type="checkbox"/>	
	4	30 Deg	<input type="checkbox"/>	
	5	30 Deg	<input type="checkbox"/>	
	6	30 Deg	<input type="checkbox"/>	
	7	30 Deg	<input type="checkbox"/>	
	8	30 Deg	<input type="checkbox"/>	
	9	30 Deg	<input type="checkbox"/>	
	10	30 Deg	<input type="checkbox"/>	

Hide Model

Show Support

View all

Set

Roof Density:

3 Layer

Threshold Angle:

30 Deg

Min. Surface Area:

3 mm2

Confirm

Reset / Close

Support

Supports Editor

Support	ID	Radius	Stretch	Enable	View
Overhang	1	3.0	1.0	<input type="checkbox"/>	
	2	3.0	1.0	<input type="checkbox"/>	
	3	3.0	1.0	<input type="checkbox"/>	
	4	3.0	1.0	<input type="checkbox"/>	
	5	3.0	1.0	<input type="checkbox"/>	
	6	3.0	1.0	<input type="checkbox"/>	
	7	3.0	1.0	<input type="checkbox"/>	
	8	3.0	1.0	<input type="checkbox"/>	
	9	3.0	1.0	<input type="checkbox"/>	
	10	3.0	1.0	<input type="checkbox"/>	

Hide Model

Show Support

View all

Set

Roof Density:

3 Layer

Threshold Angle:

30 Deg

Min. Surface Area:

3 mm2

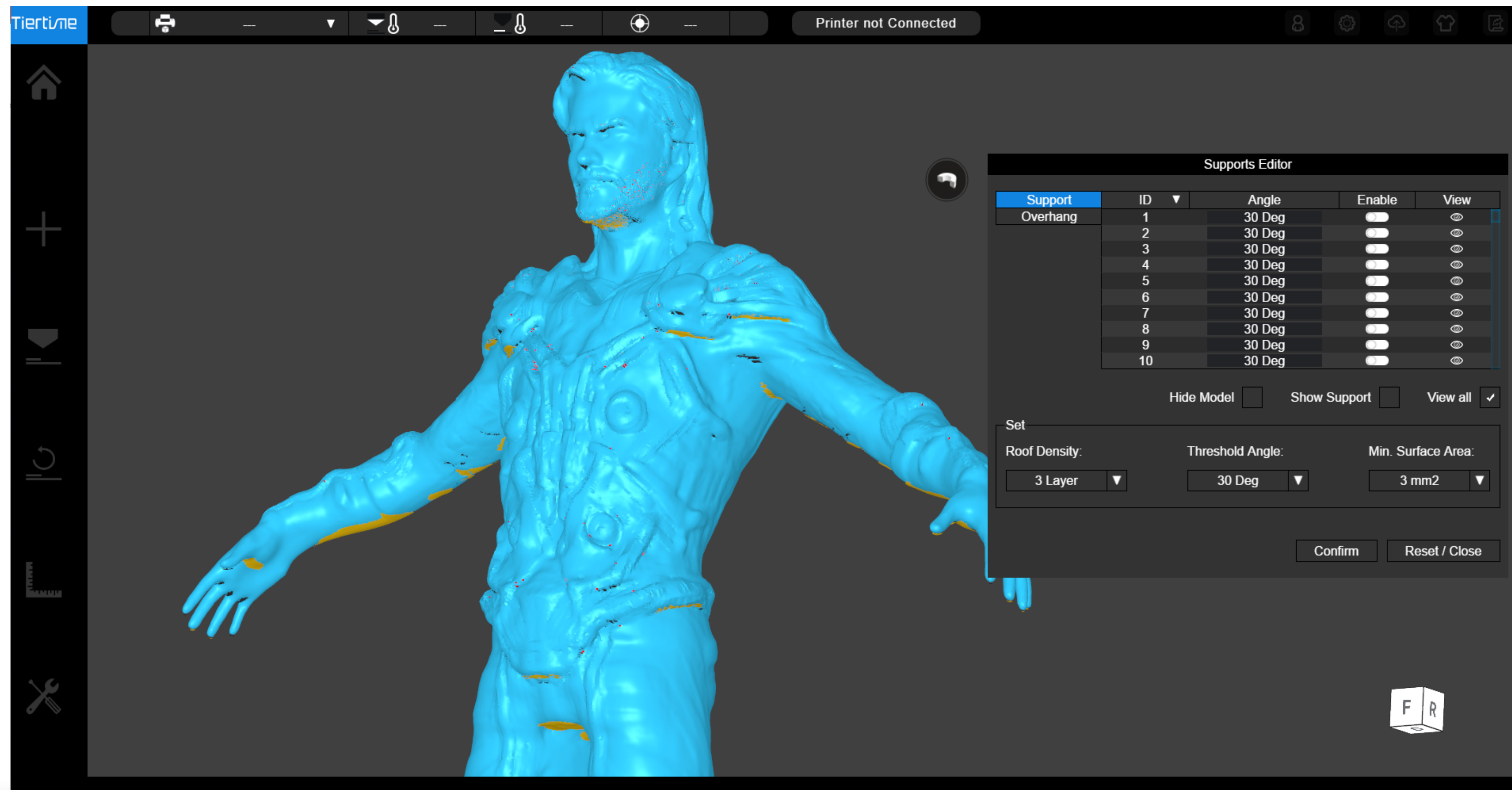
Confirm

Reset / Close

Overhang

The support areas are the areas requiring support.

Please note – the support areas depict default support structures.

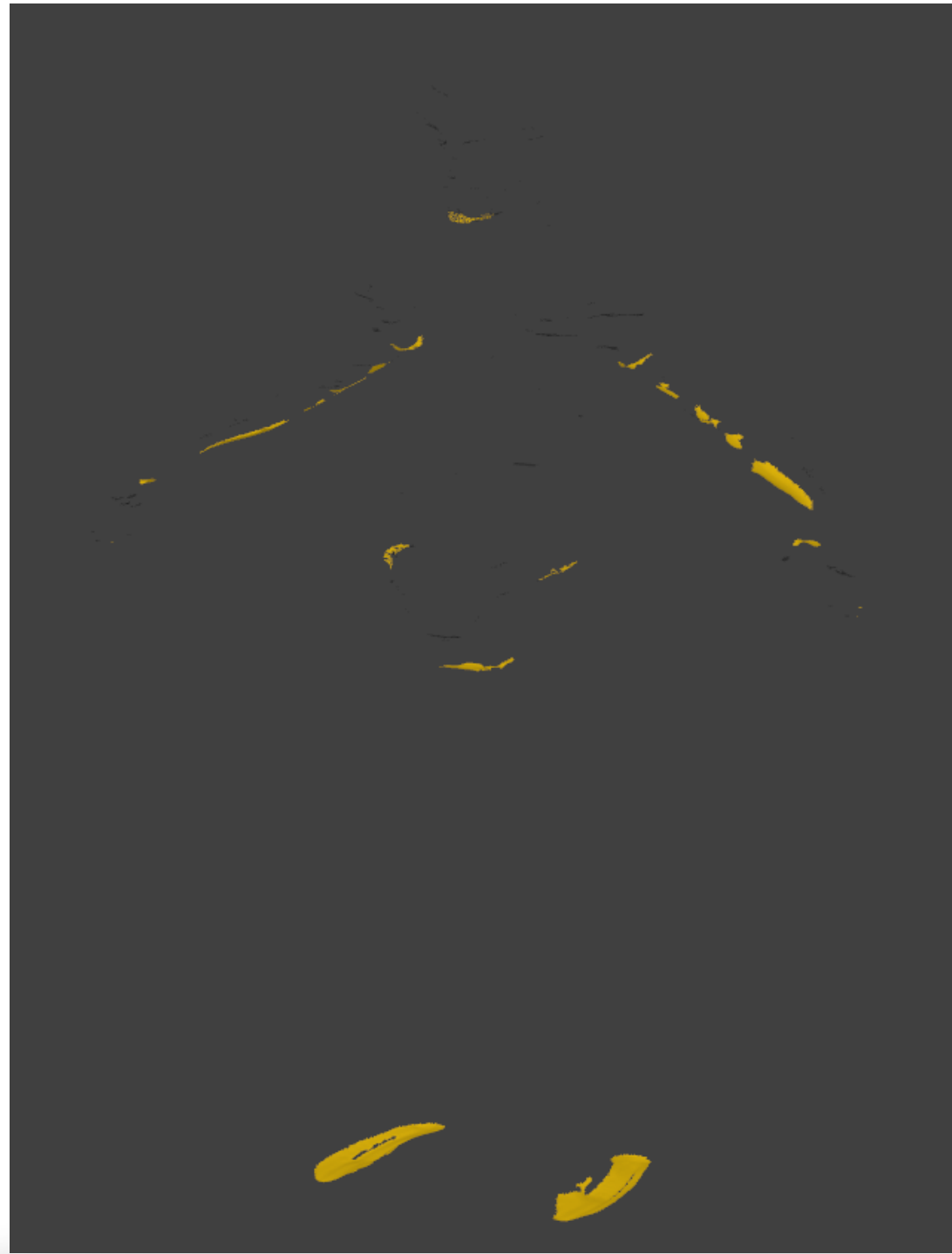


Support areas

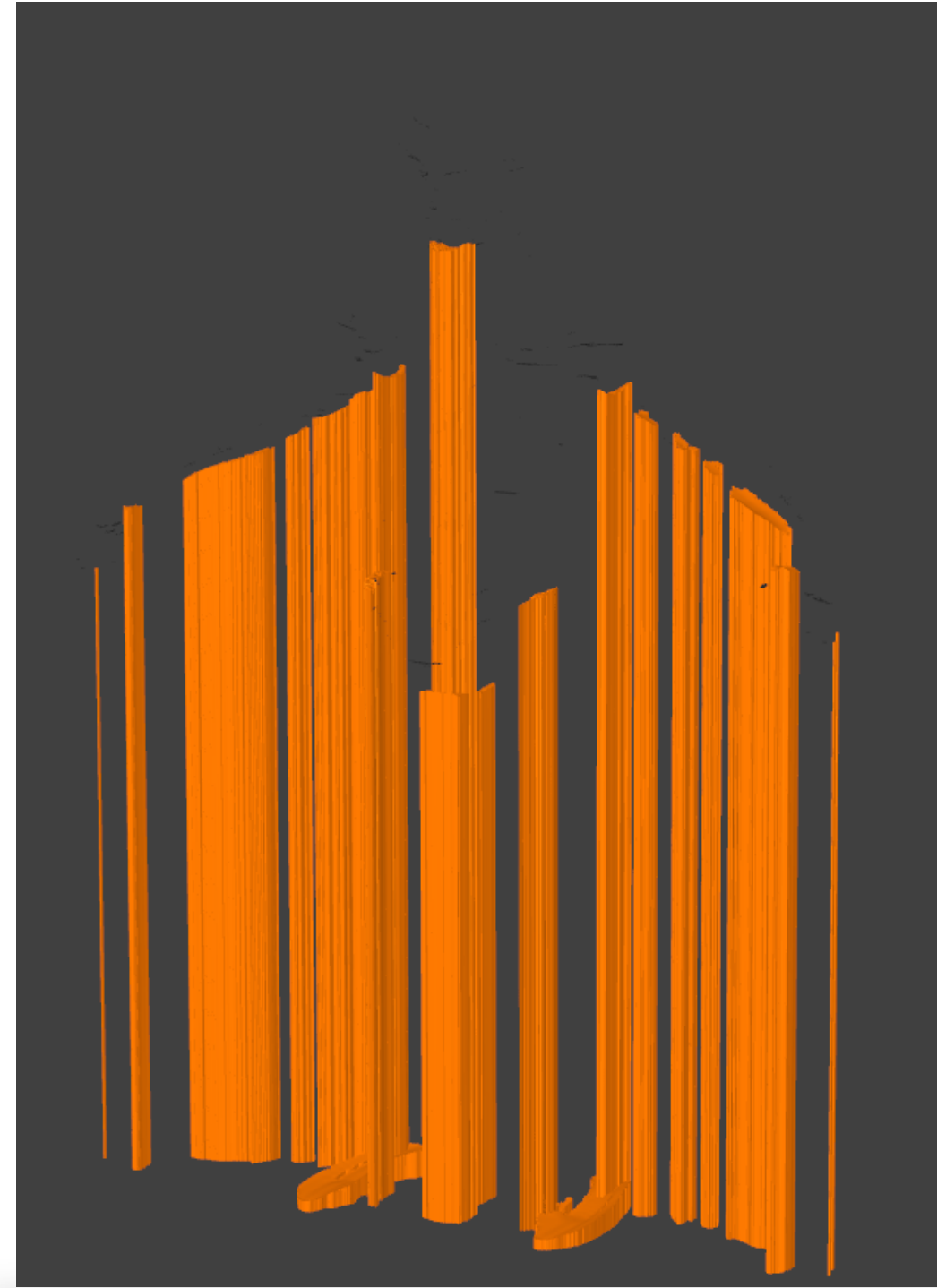
Clip View

Support View Mode

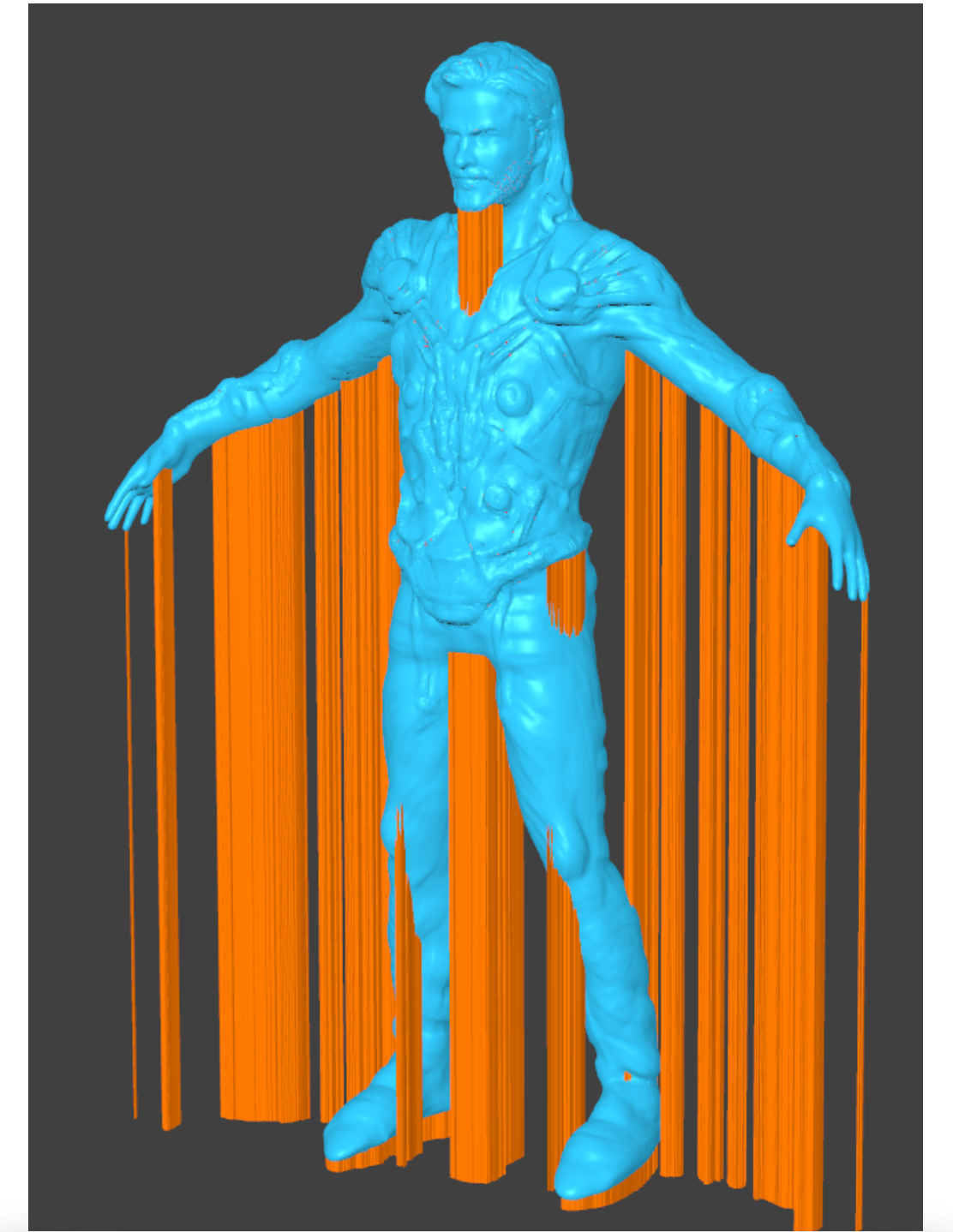
You can choose from three different view modes.



Hide Model and Support



Hide Model and Show support



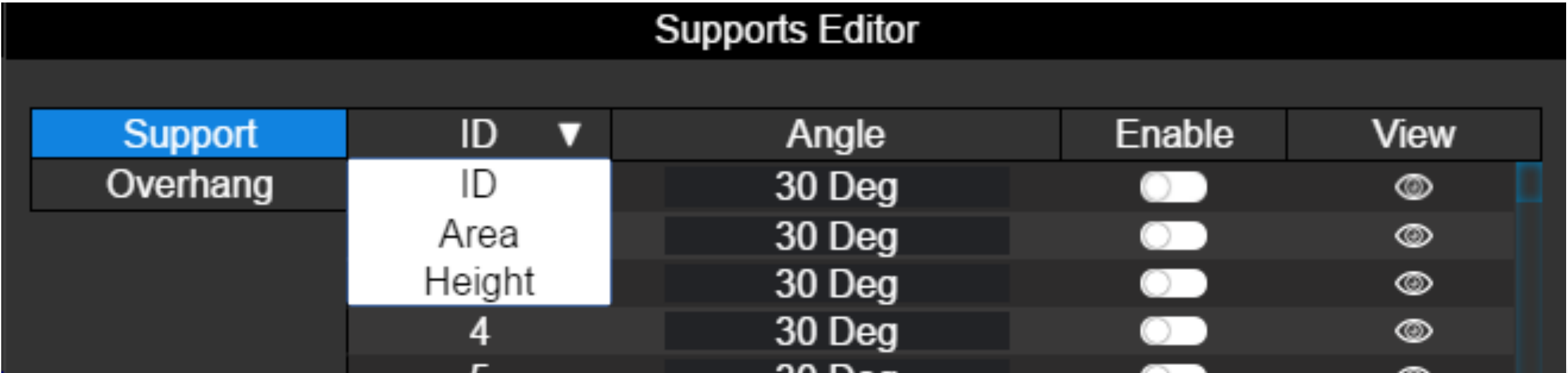
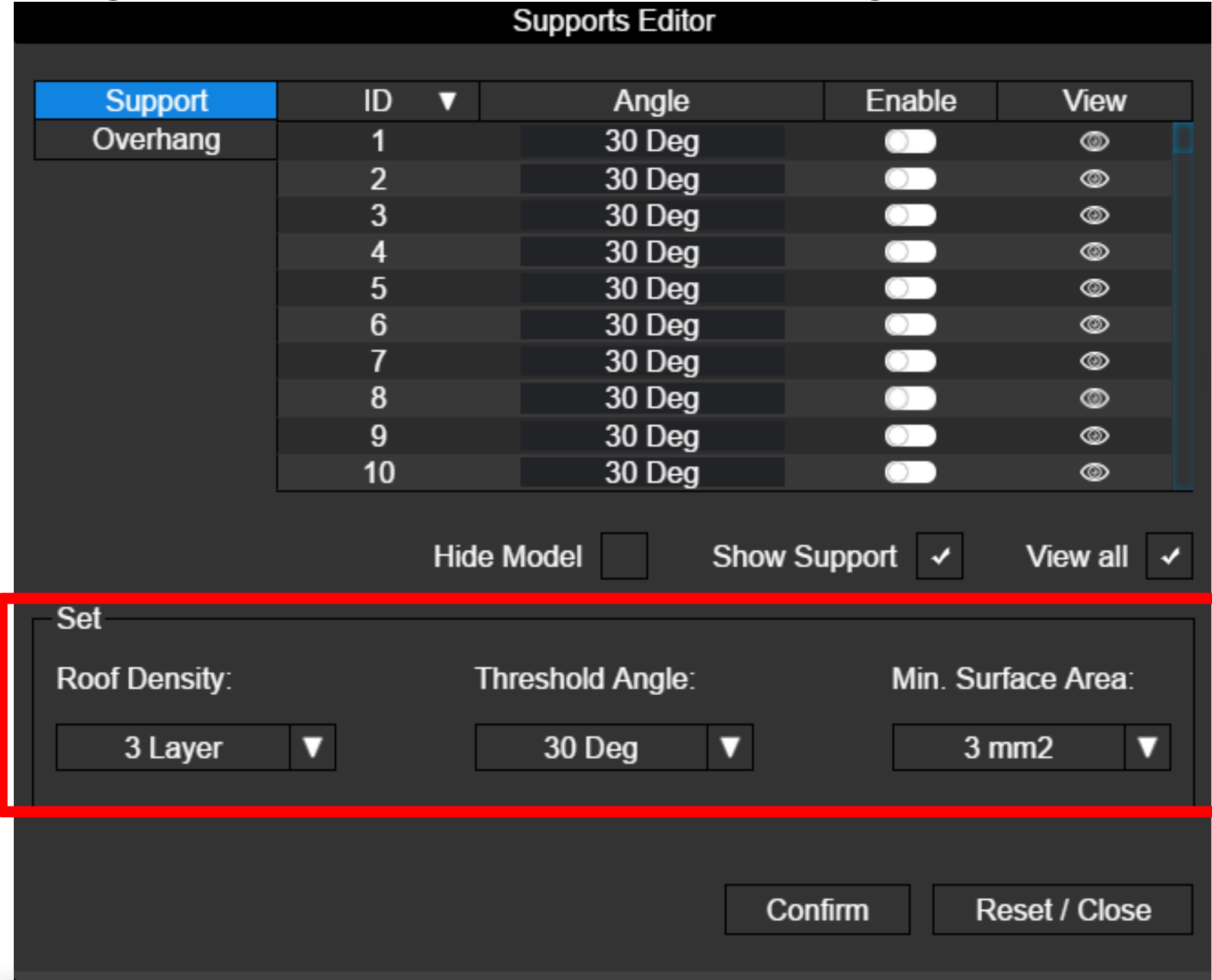
Show Support

Support structures can be sorted by ID, Area, and Height.

ID: Starting from 1

Area: The amount of area requiring support.

Height: Support structure's height.



☐ Enable the support structure

☒ Enable viewing of support structure

To modify the angle and size of a supported area, you can choose Threshold Angle or Min. Surface Area to reach the desired print setting. *

Roof Density is the more tightly-printed area between a raft or support and the model. You can choose from two to six layers.

* The Roof Density, Threshold Angle and Min. Surface Area settings control **all supports**. Model preview will automatically reflect adjustments to these settings.

Click **Confirm** to save the customized supports setting.

Please be aware that altering the model's size or angle on the platform after clicking Confirm will reset the customized supports to default.

Click **Reset/Close** to revert to default Smart Supports and erase your customization.

Supports Editor

Support	ID ▼	Angle	Enable	View
Overhang	1	30 Deg	<input type="checkbox"/>	
	2	30 Deg	<input type="checkbox"/>	
	3	30 Deg	<input type="checkbox"/>	
	4	30 Deg	<input type="checkbox"/>	
	5	30 Deg	<input type="checkbox"/>	
	6	30 Deg	<input type="checkbox"/>	
	7	30 Deg	<input type="checkbox"/>	
	8	30 Deg	<input type="checkbox"/>	
	9	30 Deg	<input type="checkbox"/>	
	10	30 Deg	<input type="checkbox"/>	

Hide Model ☐

Show Support ☒

View all ☒

Set

Roof Density:
3 Layer ▼

Threshold Angle:
30 Deg ▼

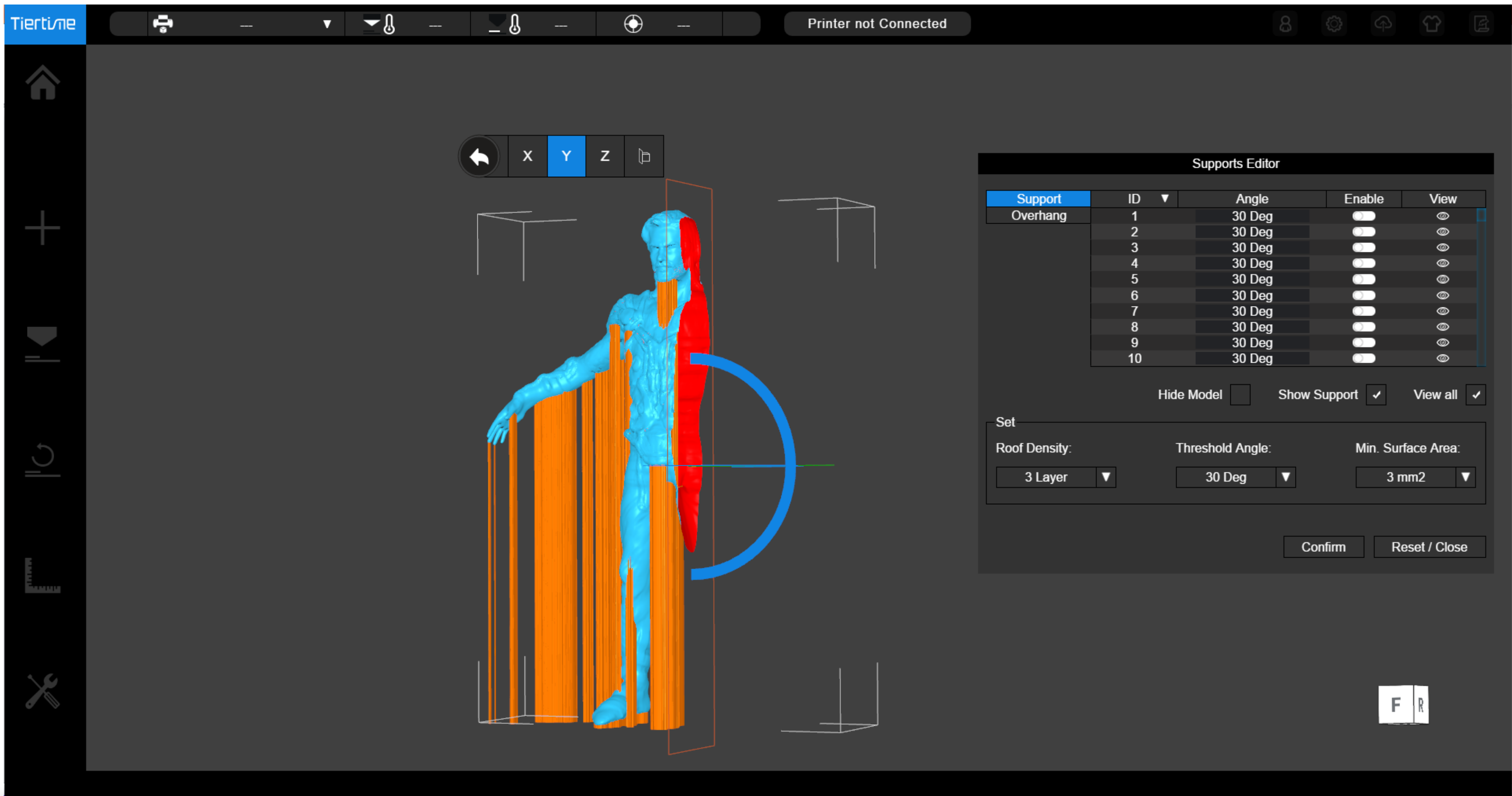
Min. Surface Area:
3 mm2 ▼

Confirm

Reset / Close

Clip View

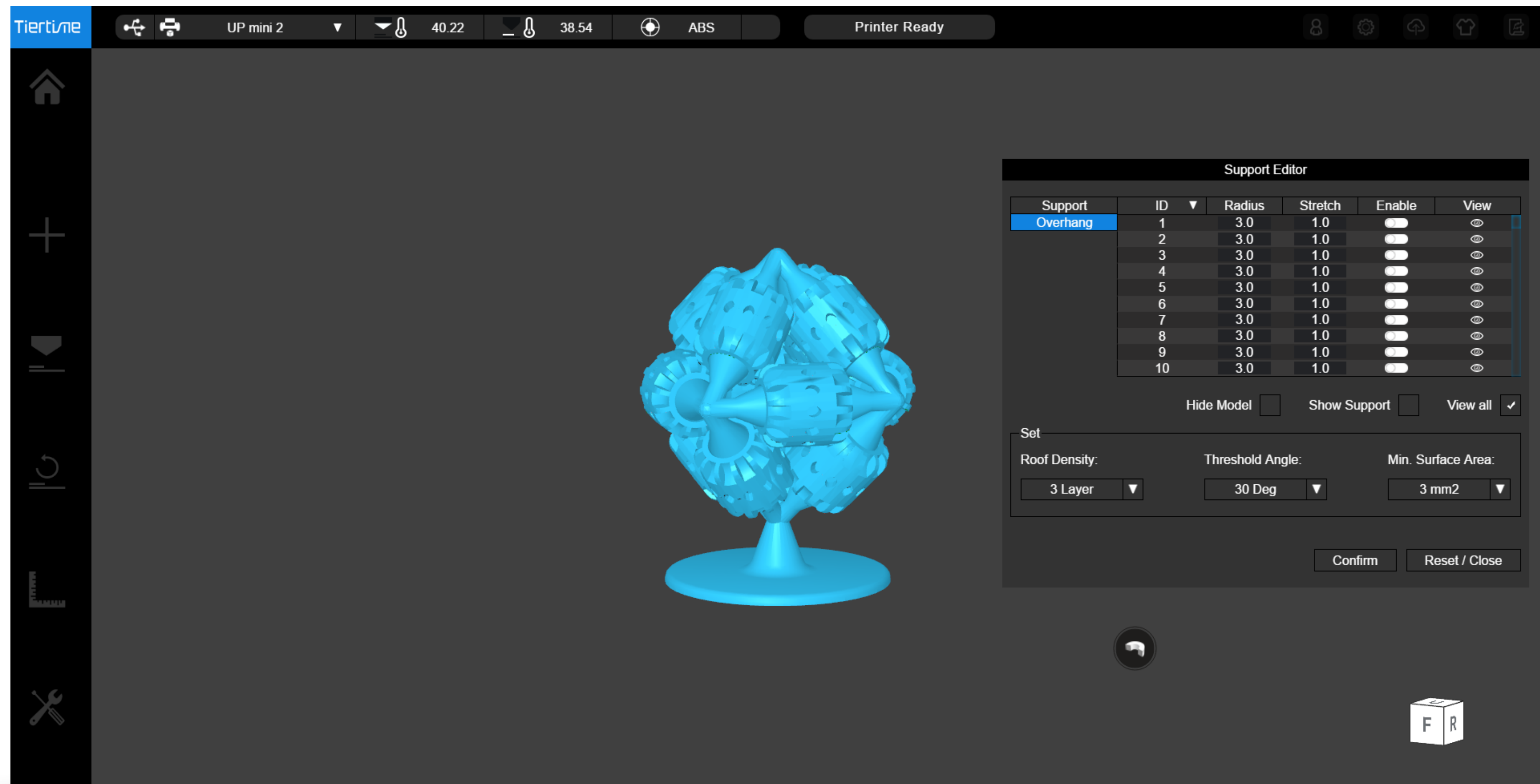
Clip View allows you to preview interior support structures.



Supports Editor Overhang

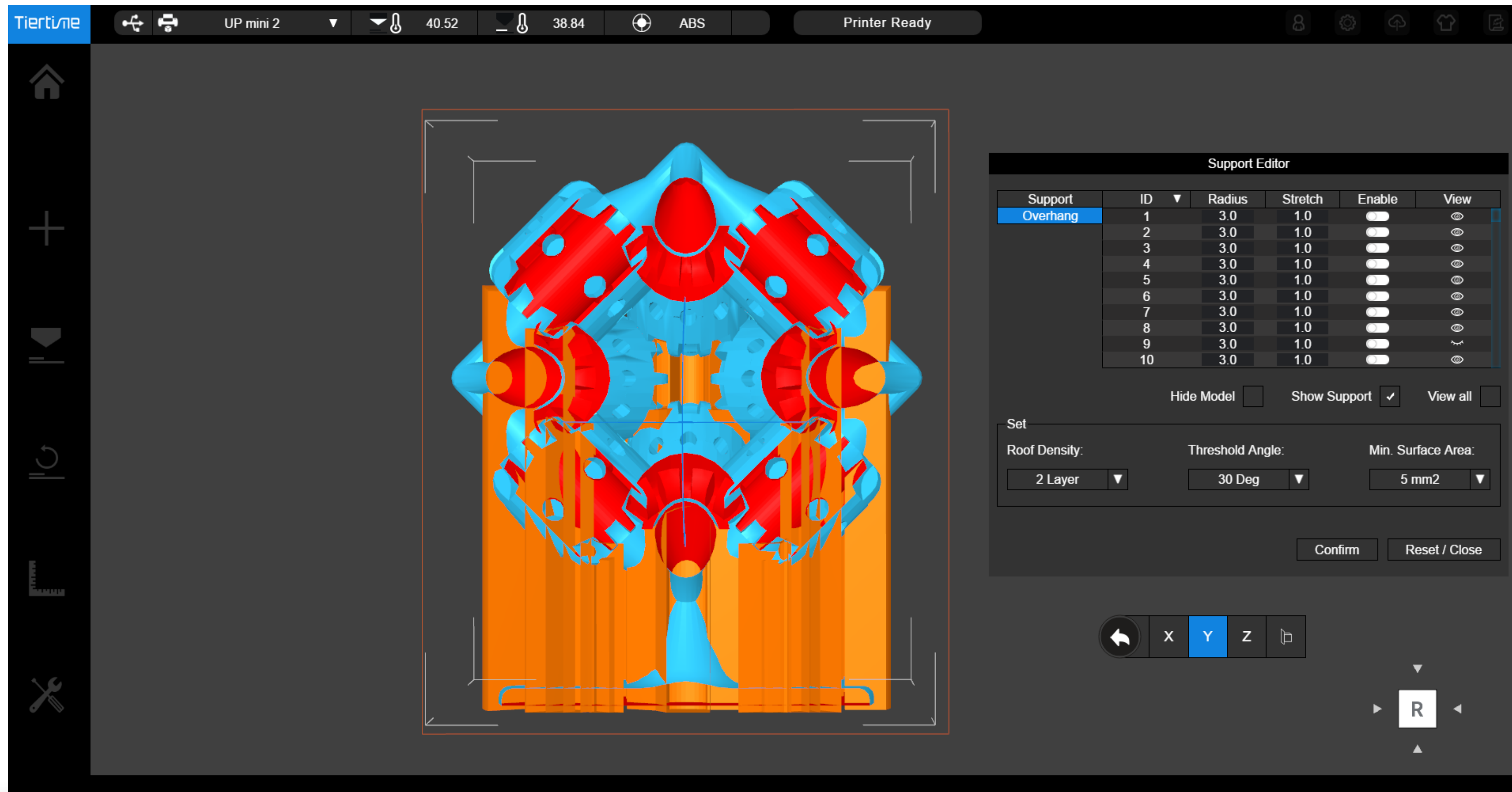
The Overhang tab offers the ability to edit overhang structures.

The support structures of overhangs are not shown by default. You must choose the view mode accordingly.



Clip View

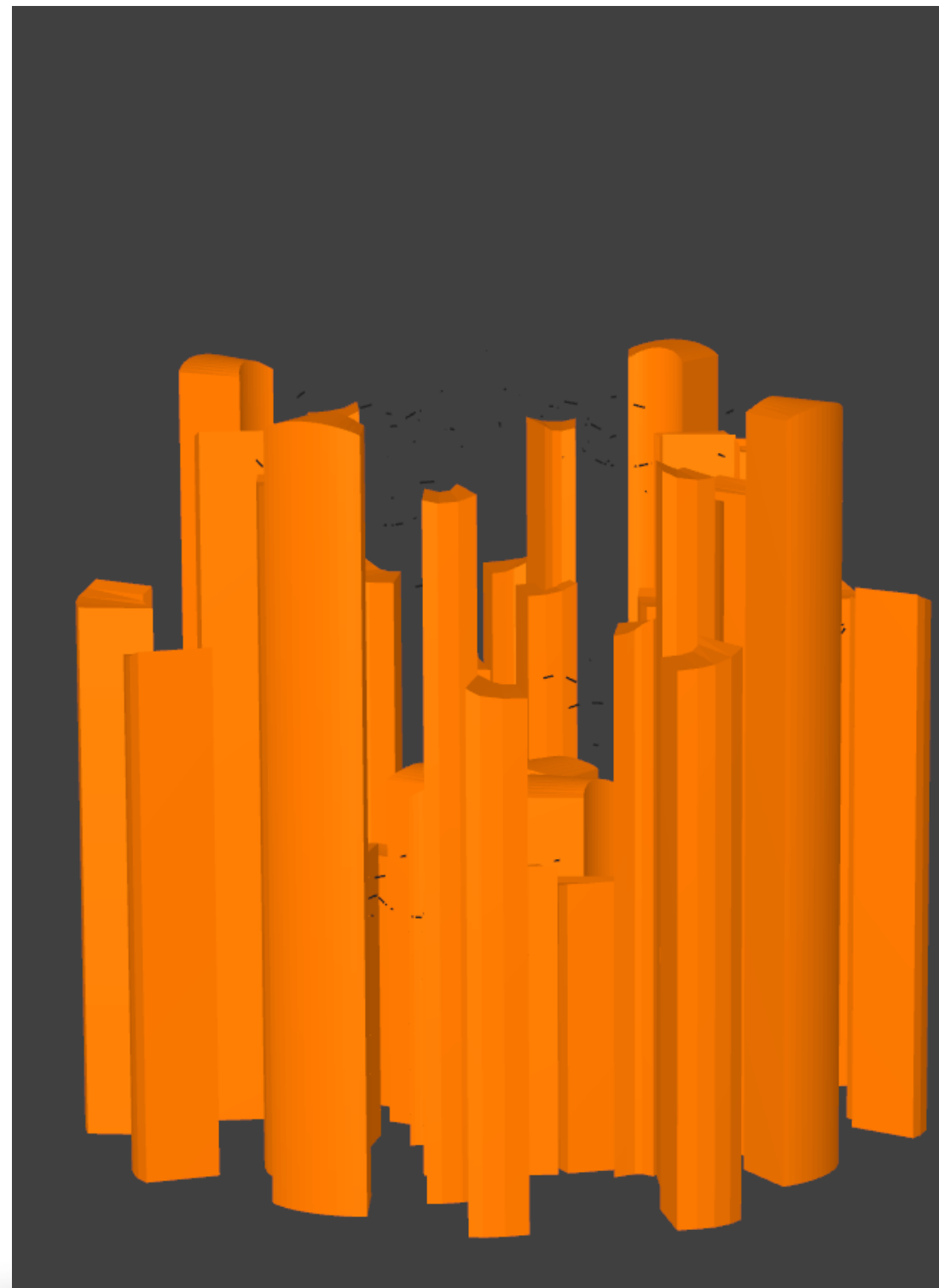
Clip View can also display interior support structures when working in overhang mode.



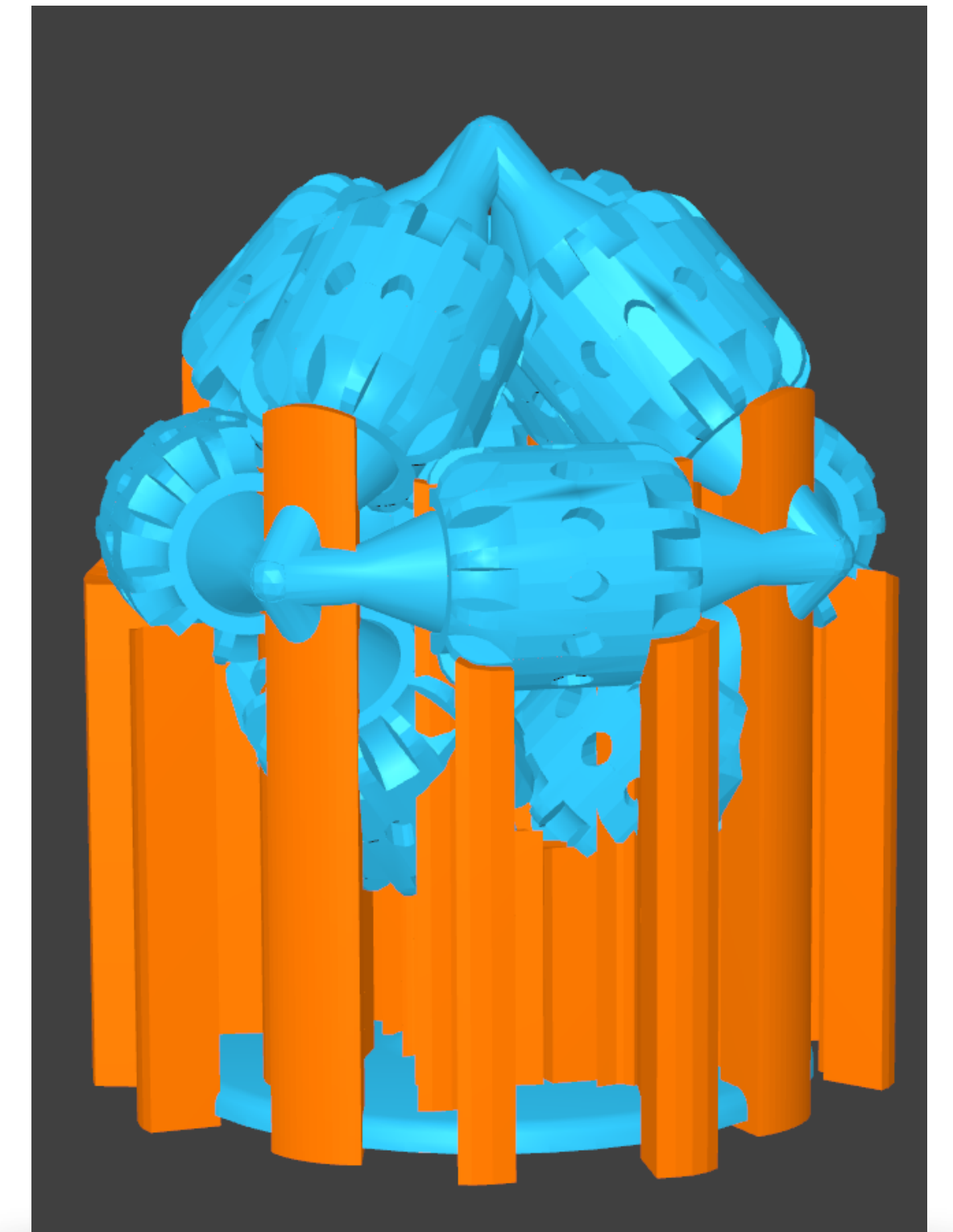
Overhang View mode



Hide Model and Support



Hide Model and Show support



Show Support

Support structures can be sorted by ID, Length, and Height.

ID: Starting from 1

Length: The length of overhang.

Height: Support structure's height.

Supports Editor

Support	ID ▼	Radius	Stretch	Enable	View
Overhang	1	3.0	1.0	<input type="checkbox"/>	
	2	3.0	1.0	<input type="checkbox"/>	
	3	3.0	1.0	<input type="checkbox"/>	
	4	3.0	1.0	<input type="checkbox"/>	
	5	3.0	1.0	<input type="checkbox"/>	
	6	3.0	1.0	<input type="checkbox"/>	
	7	3.0	1.0	<input type="checkbox"/>	
	8	3.0	1.0	<input type="checkbox"/>	
	9	3.0	1.0	<input type="checkbox"/>	
	10	3.0	1.0	<input type="checkbox"/>	

Hide Model ☐

Show Support ☐

View all ☒

Set

Roof Density:

3 Layer ▼

Threshold Angle:

30 Deg ▼

Min. Surface Area:

3 mm2 ▼

Confirm

Reset / Close

Support	ID ▼	Radius	Stretch	Enable	View
Overhang	ID	3.0	1.0	<input type="checkbox"/>	
	Length	3.0	1.0	<input type="checkbox"/>	
	Height	3.0	1.0	<input type="checkbox"/>	
	4	3.0	1.0	<input type="checkbox"/>	

☐ Enable the overhang structure

Enable to view

To edit the angle and area of overhangs, choose the ideal Threshold Angle or Min. Surface Area to reach your desired extent of support. *

The number of roof density layers can also be altered.

Roof Density is the more tightly-printed area between a raft or support and the model. You can choose from two to six layers.

* The Roof Density, Threshold Angle and Min. Surface Area settings control **all supports**. Model preview will automatically reflect adjustments to these settings.

Click **Confirm** to save the customized support setting.

Please be aware that altering the model's size or angle on the platform after clicking Confirm will reset the customized supports to default.

Click **Reset/Close** to revert to default Smart Supports and erase your customization.

Support Editor

Support	ID ▼	Radius	Stretch	Enable	View
Overhang	1	3.0	1.0	<input type="checkbox"/>	
	2	3.0	1.0	<input type="checkbox"/>	
	3	3.0	1.0	<input type="checkbox"/>	
	4	3.0	1.0	<input type="checkbox"/>	
	5	3.0	1.0	<input type="checkbox"/>	
	6	3.0	1.0	<input type="checkbox"/>	
	7	3.0	1.0	<input type="checkbox"/>	
	8	3.0	1.0	<input type="checkbox"/>	
	9	3.0	1.0	<input type="checkbox"/>	
	10	3.0	1.0	<input type="checkbox"/>	

Hide Model ☐

Show Support ☐

View all ☒

Set

Roof Density:

3 Layer ▼

Threshold Angle:

30 Deg ▼

Min. Surface Area:

3 mm2 ▼

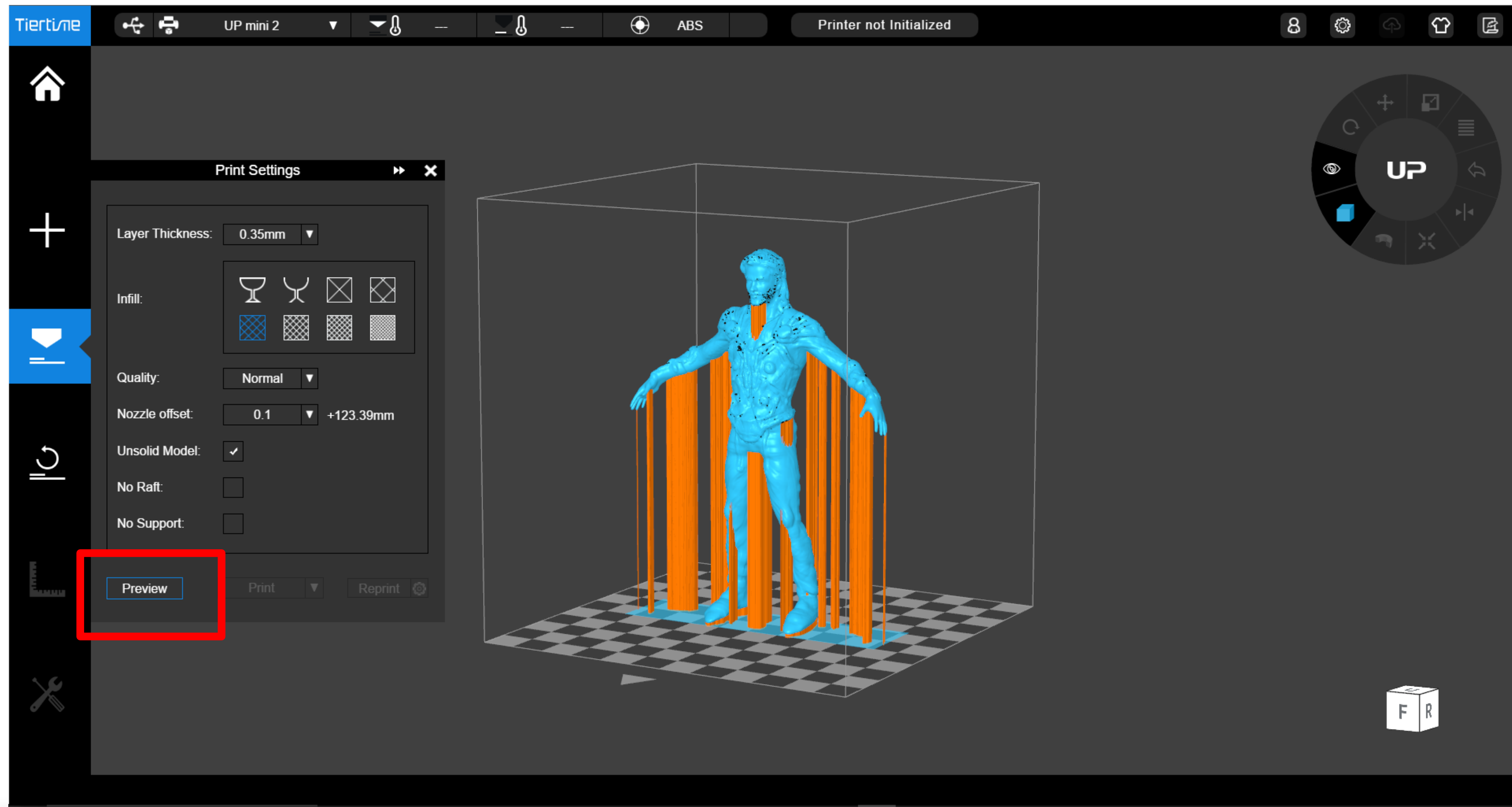
Confirm

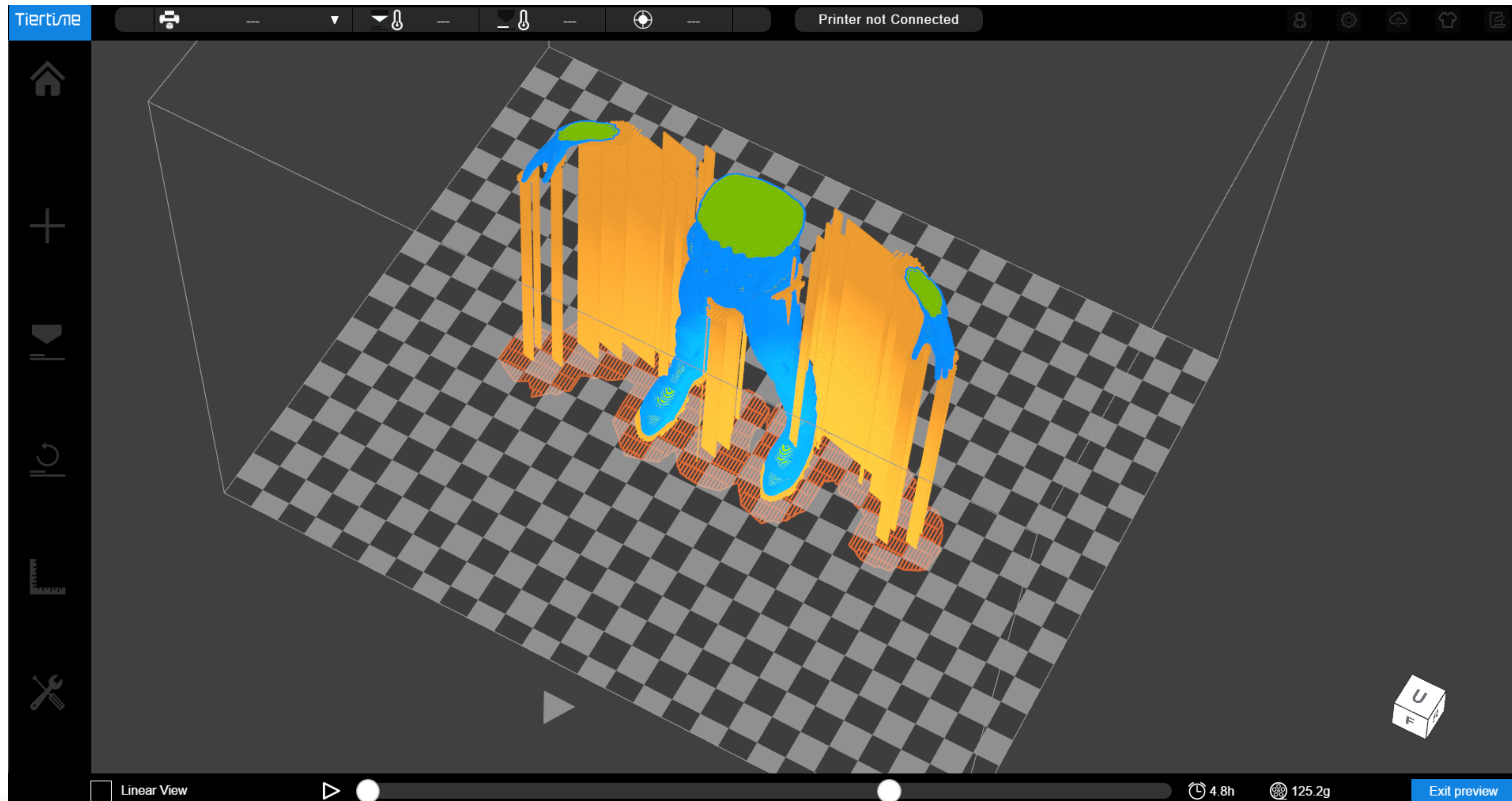
Reset / Close

Print Settings Preview

Print Preview

You can preview the support structure layer by layer with Print Preview.





▶▶ Start/ Stop Auto Preview

○ Layer Slider Top/ Bottom

⚙ Material

🕒 Print Time

■ Model Walls

■ Infill

■ Supports

■ Raft

Linear view

Linear View displays the layer path as lines.

