

# Requests when performing installation

## Account at installation [Recommended]

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Please use an account with the following permissions granted at the time of installation

- Local administrative user (admin)

(This means a user who belongs to the local Administrators.)

If the installation is performed by an account that does not have these rights, the software may not start after the installation is complete.

If the PC user does not have administrative privileges, he/she may be asked to enter an ID for administrative privileges during uninstallation or installation. In this case, please enter the user name and password for administrator authority.

## If you are using security software

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If you are using security software, please set this software: Frames to not be monitored.  
Continuous unmonitored configuration is required after installation.

# **Aluminum Frame Structure Design Software**

## **MISUMI FRAMES Operation Manual Default setting**

## Default setting

1:	Installation - User ID registration	P.2
2:	Screen configuration	P.3
3:	Mouse operation	P.4
4:	Configuration	P.5
5:	Default part settings	P.6
6:	Recommended Frames Environment	P.7

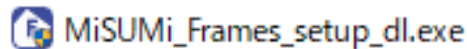
To use Frames, you will need to install software.

\*Please refer to details for recommended environment.  
⇒Details are on p. 7.

## Operating Procedure

### 1) Run Misumi\_Frames\_setup\_dl.exe

\*Administrative privileges may be required.



Proceed with the installation according to the screen.

#### -Attention.

- If you are not up-to-date with Windows Update, you may not be able to install the software correctly.
- Please do so while connected to the Internet.
- You will need to download the necessary files during installation.
- Do not execute any files other than the installer during installation. It may not be installed correctly.

## 2: Screen configuration

### Header menu

There are File, Tool, Help, Intermediate File Output, Drawing Creation, and Parts List Output/Quotation menus.

### Parts Selection List

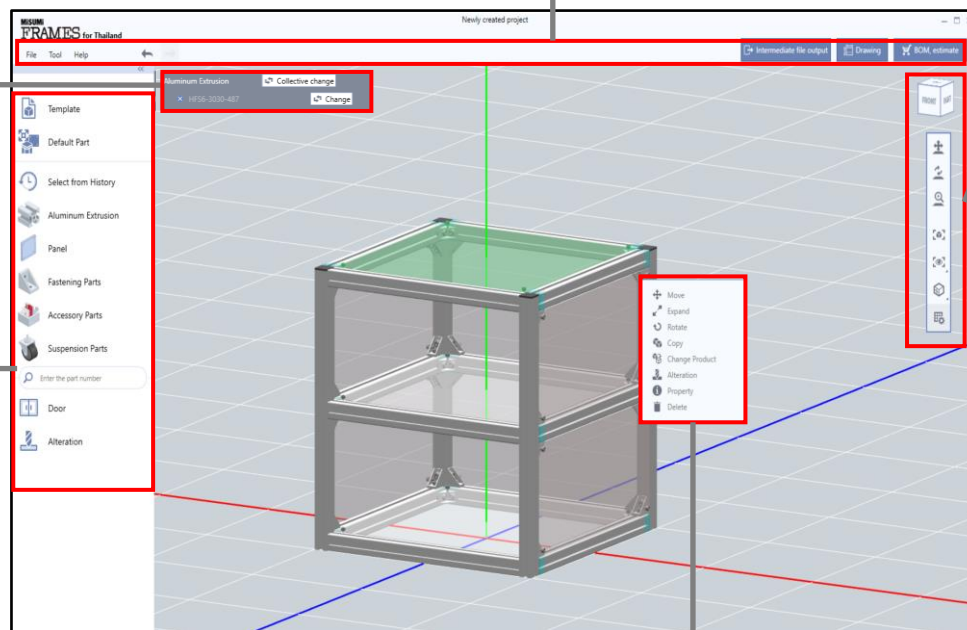
You can check and change the products you have placed. You can also adjust the display size of the frame.

### Insert Menu

Select and insert a template or component from the list. Model number search is also available.

### Part Edit Tool

Used when editing a selected part. It is displayed when a placed part is selected, and the display location can be moved to a right-clicked point.



### Camera Control

Area used for camera operations such as viewpoint changes and movement.



**View Control**  
Change the viewpoint with selected surface.



**Pan**  
Switches the camera to move mode



**Rotate**  
Switches the camera to rotate mode



**Zoom**  
Switches the camera to zoom mode



**Screen Fit**  
All drawing objects fit Displayed to scale.



**Change view**  
Dimensioning/fastening parts in focus  
The display will be shown.



**Guide shape**  
Use for Display and Non-Display Guide data or Grid line



**Configuration**  
Default Part, Mouse Operation, Shortcut Key, etc.

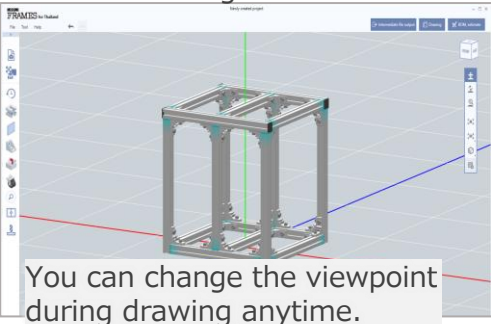
# 3: Mouse operation

In FRAMES, the design is displayed on the 3D screen.

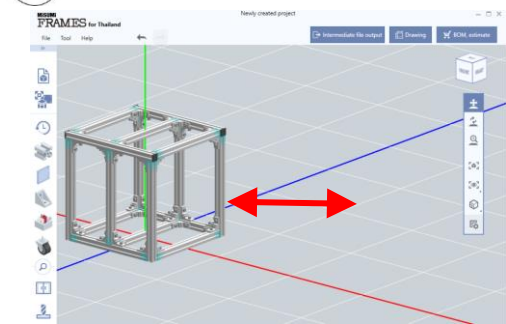
Firstly, please check basic viewpoint operations on the 3D screen.

## Operating Procedure

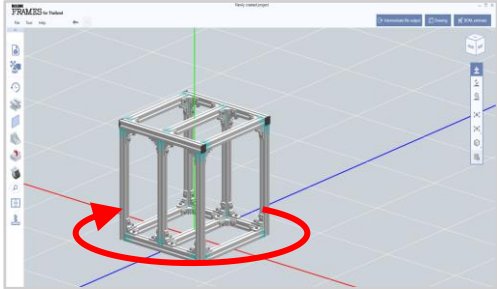
Basic screen  
e.g: Frames standard



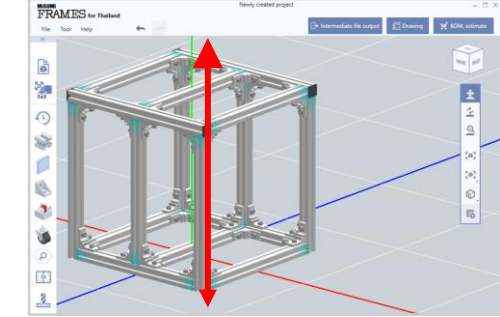
Move the viewpoint by dragging the mouse scroll wheel.



Rotate the camera by dragging the right mouse button.



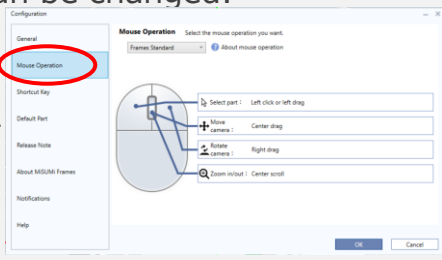
Zoom in/out of the camera by using the mouse scroll wheel up and down.



## - Hint -.

Mouse operation settings can be changed.

[How to check/setup]  
Click on "File" menu in the upper left corner of the screen  
→Select Configuration.  
→Select Mouse Operation.



8 mouse operation patterns are available. Please select according to your preference.

1	Frames Standard
2	SOLIDWORKS like
3	CATIA like
4	NX (NX9 or later) like
5	NX (NX10 or later) like
6	iCAD like
7	Creo (Pre Pro/E) like
8	Inventor like

4 : Configuration

Settings can be changed in Configuration menu.

You can change mouse operation to suit your CAD system or set the default settings for frequently used components.

The default settings for the most frequently used parts will make it easier to use.

- Hint -

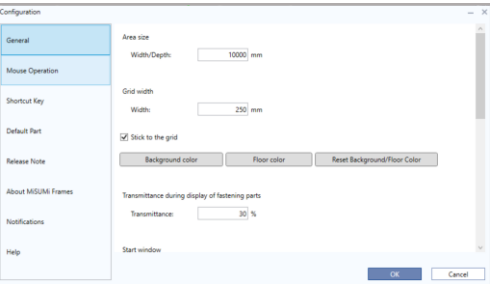
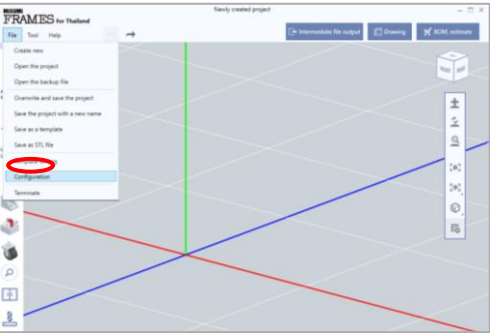
You can open the settings screen from the camera control area.



Operating Procedure

(1) Display Configuration

- Select "File" menu in the upper left corner of the screen
- Configuration
- Select each item



(2) Change settings

<Item Summary>

General	Set the area size, grid width, projection method and other settings related to the screen display at the time of drawing and set the tutorial to be displayed again.
Mouse operation	Sets the mouse operation assignments for camera control operations.
Shortcut key	Sets shortcut key assignments for operations such as saving files.
Default Part	Sets the parts that are inserted by default and the fastening method for panels that are inserted automatically.
Release notes	You can check release notes information.
About MiSUMi Frames	You can check notices of campaign information and maintenance information.
Help	You can check links to various types of support.

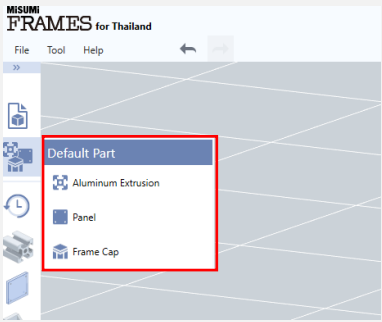
# 5: Default part settings

In Frames, you can set Default Part from configuration and it can be automatically inserted.

Please modify to suit your design.

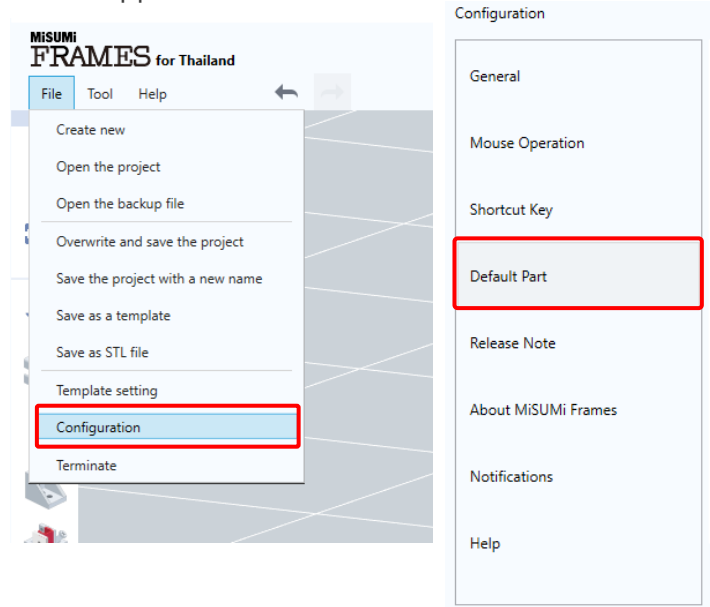
- Hint -.

You can set Default Part from Insert menu.



## Operating Procedure

- (1) Select "Configuration" from File menu in the upper left corner.
- (2) Select "Default Part"



## Default part change

The following products can be set.

- Aluminum Frame
- Panel
- Frame Cap

<b>Default Part</b>	
Aluminum Extrusion	
Default aluminum extrusion	HFS6-3030 <input type="button" value="Search"/>
Panel	
Default panel	ACA <input type="button" value="Search"/>
Panel fastening method	<input type="button" value="Bracket fastening"/>
Frame Cap	
Default Frame Cap	HFC6-3030-B <input type="button" value="Search"/>

## Automatic Fastening part change

You can set parts that will be automatically fastened when placing Aluminum Frame. Please set it for each frame size.

- ① Select Aluminum Frame Series, Number of Slots and angles that you would like to set.
- ② You can set fastening parts for each placement method, and it will be saved.

<b>Fastening parts</b>	
① Method of setting the fastener parts	
Series	5 <input type="button" value="v"/> (1)
Number of Slot	1 <input type="button" value="v"/>
Number of angles	20 <input type="button" value="v"/>
Perpendicular placement	HBLFSN5 <input type="button" value="Search"/>
45 degree placement	- <input type="button" value="Search"/> (2)
Linked placement	- <input type="button" value="Search"/>
Parallel placement	- <input type="button" value="Search"/>
Cross placement	HBLFSN5 <input type="button" value="Search"/>
Bolt and nut set	SET(Screws & Nuts Set) <input type="button" value="v"/>



## 6: Frames recommended environment

Recommended Specs	
OS	Windows10 64Bit Windows11 64Bit
CPU	Core i5 (2.7GHz, 4-core) or higher
memory	8GB or more
HDD free space required	5GB~
graphics board	NVIDIA recommended
Software Configuration	
application body	A set of execution modules for this system
framework	Microsoft .NET Framework 4.5 or higher
database	SQLite

# **Aluminum Frame Structure Design Software**

## **MISUMI FRAMES Operation Manual Component Placement and Editing**

# Component Placement and Editing

1:	Aluminum Frame Insertion	P.2
2:	Accessory parts insertion	P.3
3:	Part editing (move/stretch/rotate/information view/copy/delete)	P.4
4:	Product Change	P.5

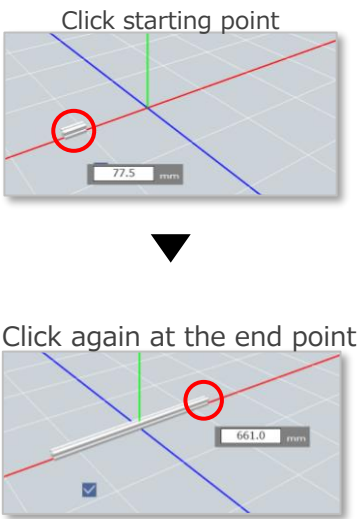
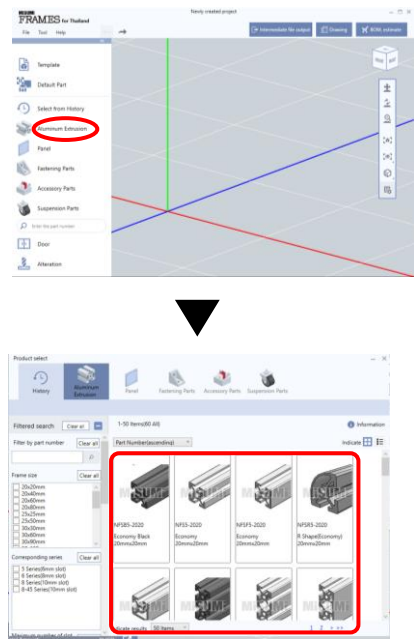
# 1: Aluminum Frame Insertion

Select Aluminum Frame and easily insert on the screen by selecting and clicking on start and end points.

Brackets and other fastening parts are also Automatic placement.

## Operating Procedure

- (1) Aluminum Frame Selection  
Select desired frame from "Aluminum Frame" in Insert menu.
- (2) Placement  
Click start and end points, then click place Aluminum Frame



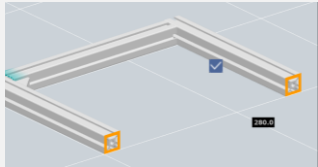
- Hint -

The placement of products is supported by 3 different color displays.

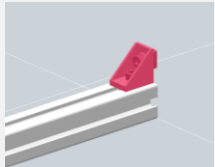
(1) Blue  
Correctly fastened part

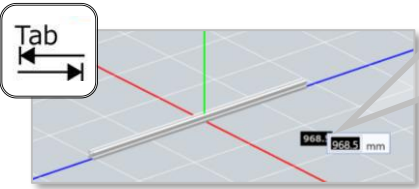
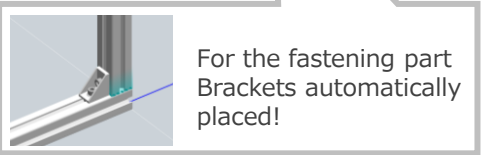
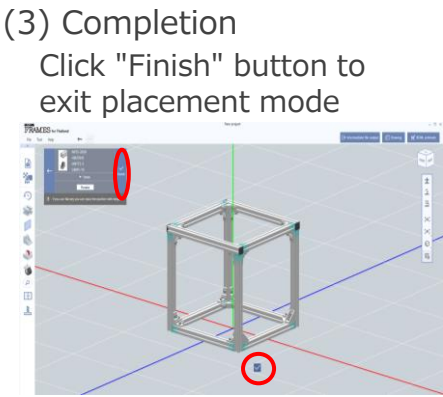


(2) Orange  
Locations to be adsorbed in alignment



(3) Red  
Error location





You can specify length dimension of Aluminum Frame, by pressing "Tab" key on your keyboard and manually inputting desired length value.

# 2: Accessory parts insertion

Various accessory parts for design such as Frame cap/Slot cover/Handle/Hinge/Magnetic catches, etc. are available.

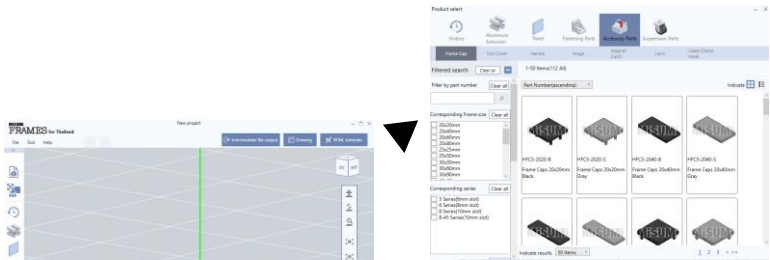
It can be selected and arranged from the screen same as Aluminum Frame placement.

## Operating Procedure

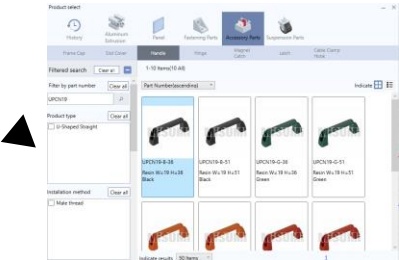
### (1) Accessory Parts Selection

Click on "Accessory Parts" from Insert menu, then select a desired product.

Example: Frame cap selection screen

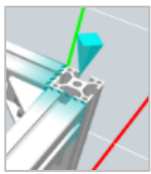
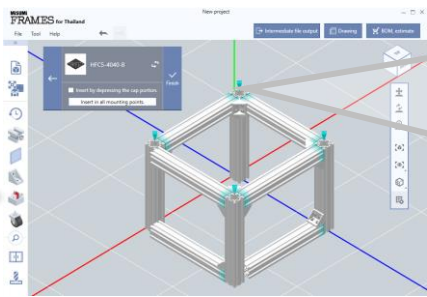


Example: Handle selection screen



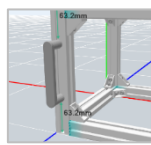
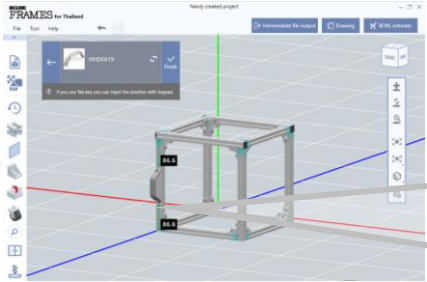
### (2) Placement

Intuitive product placement is possible according to various placement methods.



Triangular pyramid mark will be shown on possible placement locations. Click on Triangular pyramid mark to place Frame cap.

Or click again to remove Frame cap.

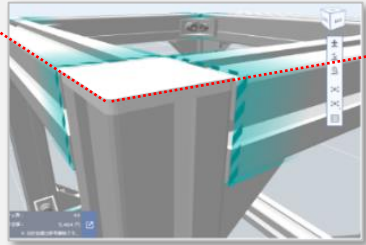


Click to place Handle where available for placement.

- Hint -

Frame caps can be installed by recessing cap thickness.

[How to change]  
When placing Frame caps, tick in a box ☒ Insert by depressing the cap portion. on the upper left of screen.



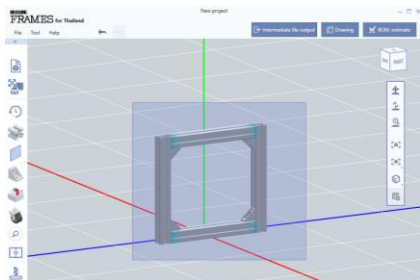
# 6: Part editing (move/stretch/rotate/information view/copy/delete)

With FRAMES, the model number automatically follows as you edit the product.

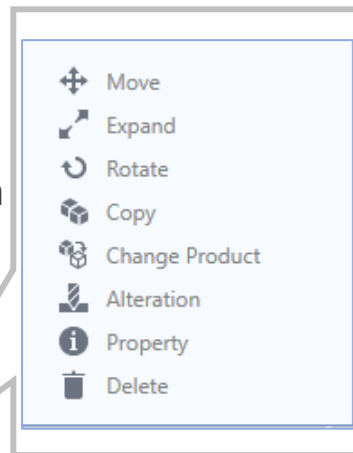
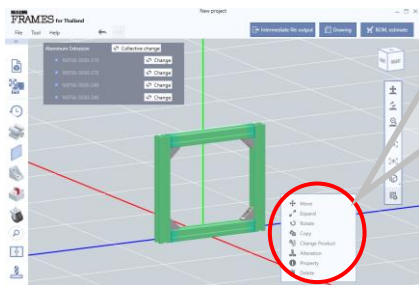
No troublesome model number management or modification work is required.

## Operating Procedure

### (1) Change the range of products by using mouse



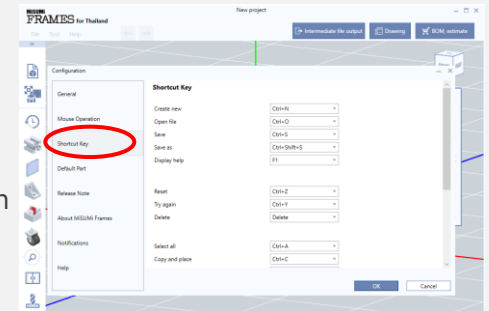
### (2) Select a function from Part Edit Tool menu.



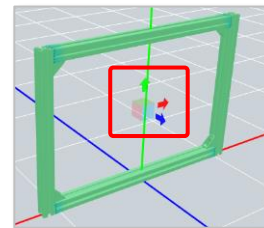
## - Hint -

Various shortcut keys are also available for set up.

[How to check/setup]  
Click on "File" menu in the upper left corner of the screen  
→ Select Configuration  
→ Select Shortcut Key

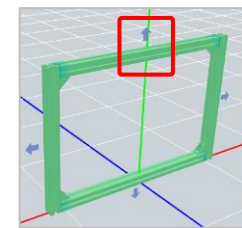


### Movement



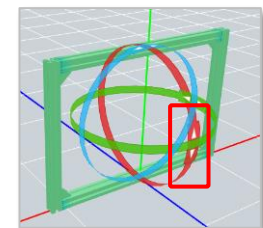
After specifying the direction of movement  
Move by mouse operation

### Expansion and Contraction



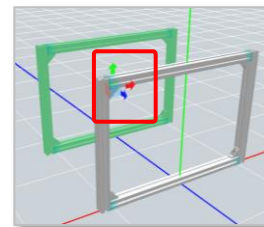
After specifying the direction of expansion and contraction  
Expansion and contraction by mouse operation  
(Full length and differential can be selected)

### Revolution



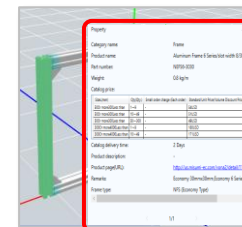
After specifying the direction of rotation  
Rotate by mouse operation

### Copy and Place



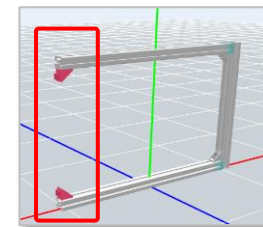
After specifying the placement direction  
Placement by mouse operation

### Product Information Details



Selected Product Information  
Screen activated

### Deletion



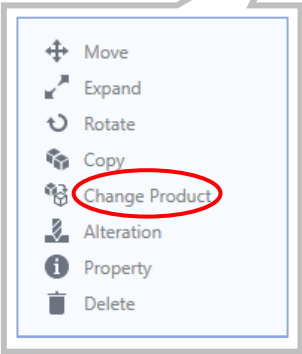
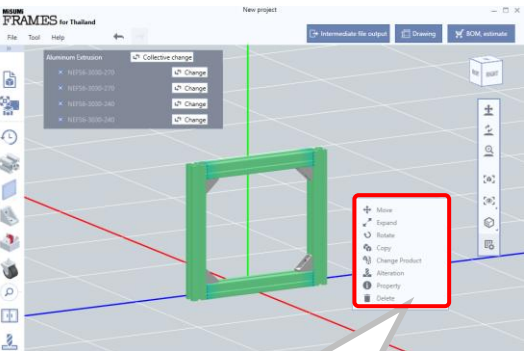
Delete selected parts

Easy to change the placed products whether single item or multiple items.

Operating Procedure

(1) Click on "Change Product

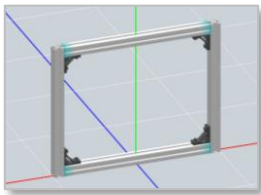
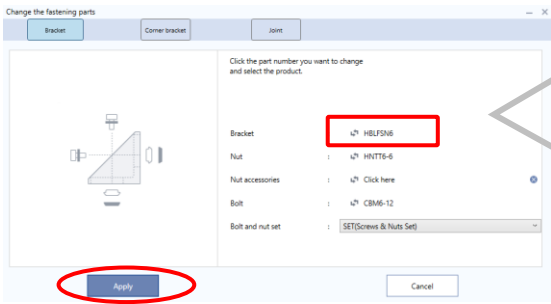
After selecting the product, click "Change Product" in the Part Edit Tool box.



(2) Select products

Select the product you would like to change, and the product selection screen will appear. After selecting the desired product, click "Apply".

Example: If you would like to change the bracket

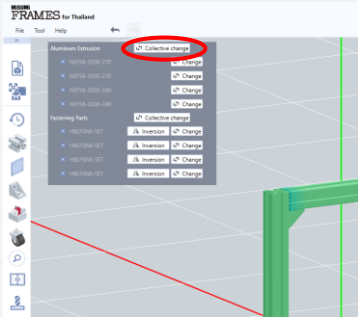


Change Complete

- Hint -

You can change multiple products at once If they are the same products.

After selecting a product, click on "Collective change" button on the products list screen. Then, selecting the desired product, and click "Apply".



Bracket Selection Screen

