

ThreadPro

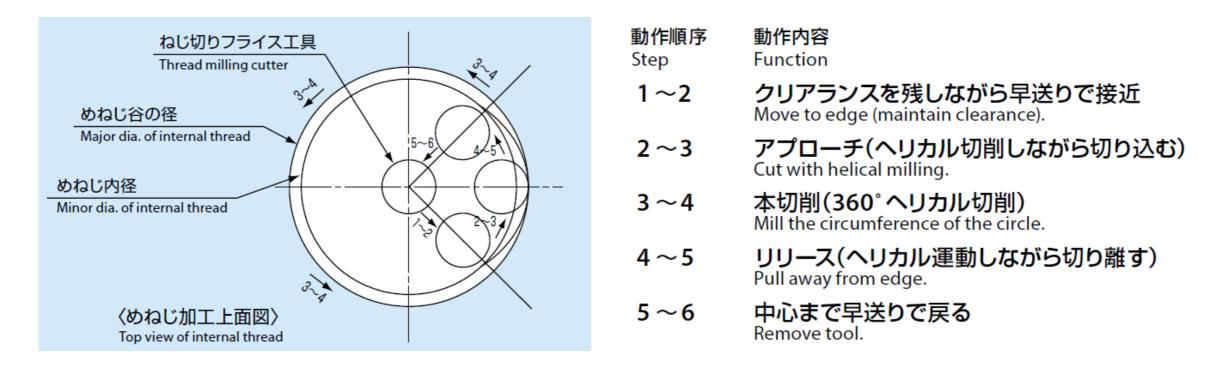
User's manual





How to use Thread mill

Thread mills are used on numerical controlled machining centers equipped with 3-axis control and helical milling function.



When approach and release, helical milling should be used as shown above for machining precision and efficiency.

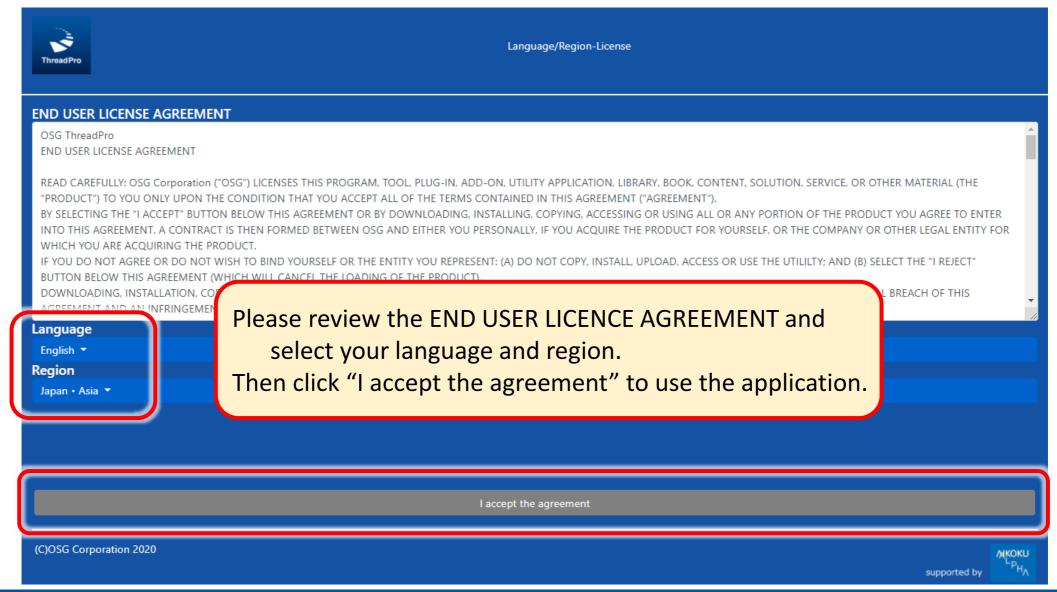
WEB Application: ThreadPro

Features

- You can use it on PC, smart phones or tablets without downloading software.
- RPRG is produced. (RPRG: Reference value for tool radius offset)
- Insert screw threads are available as well.
- New thread mill products are automatically updated.
- Multiple languages (12 languages)
- Multiple NC languages (8 NC languages)

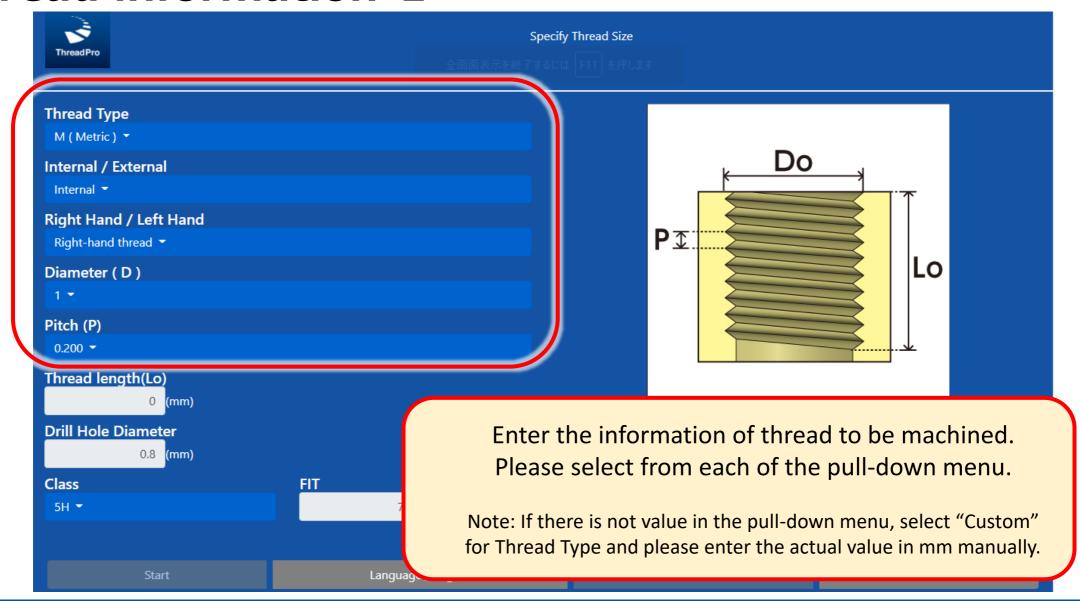


Selection of Language and Region/Terms of use



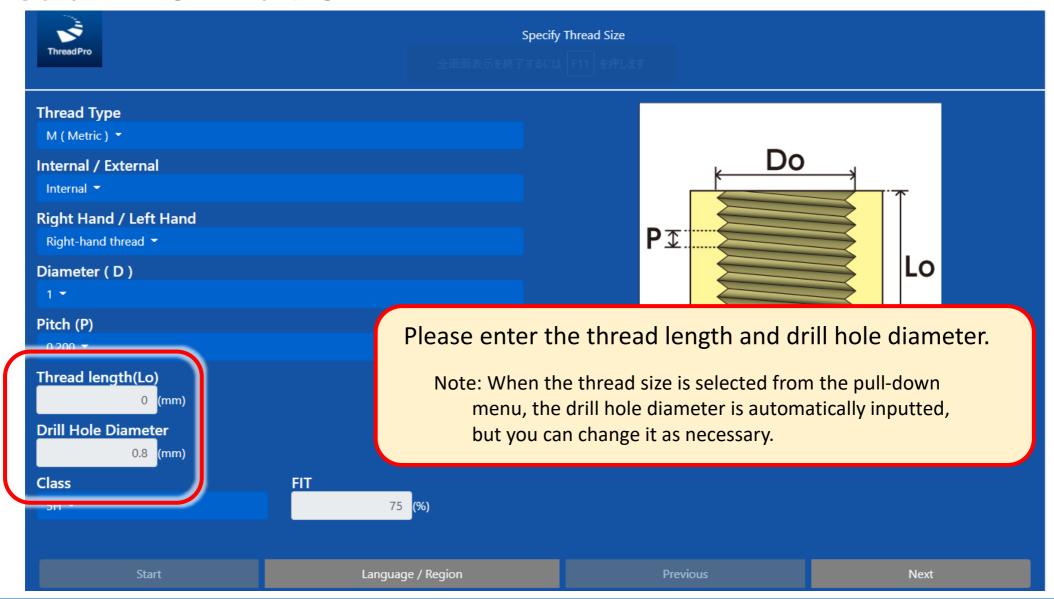


Thread information-1



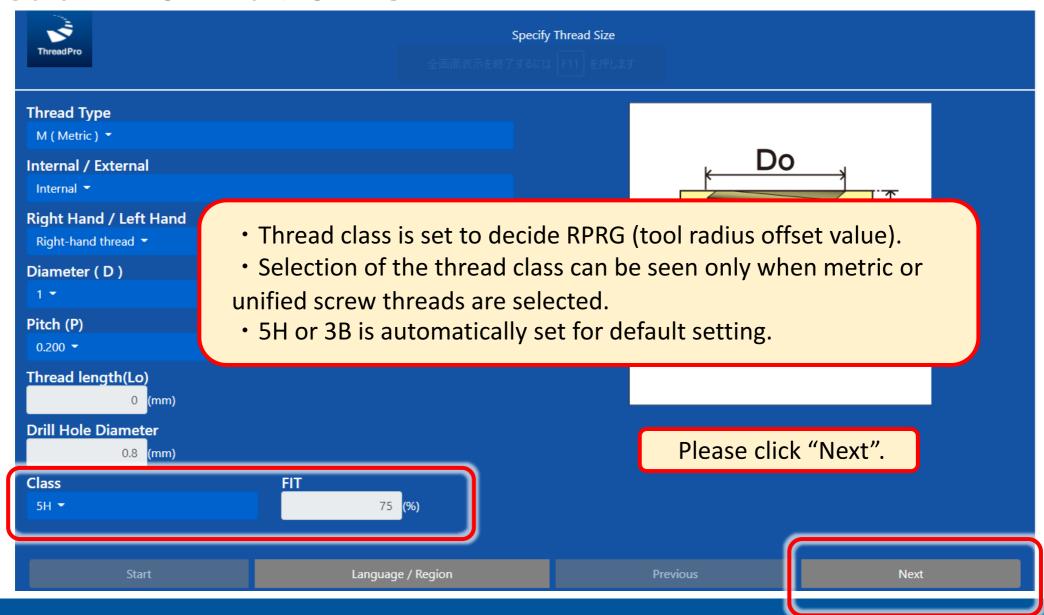


Thread information-2





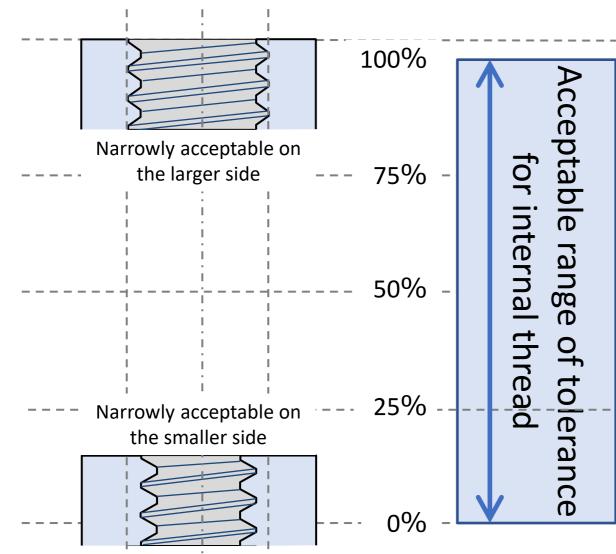
Thread information-3





What is "FIT 75%"?





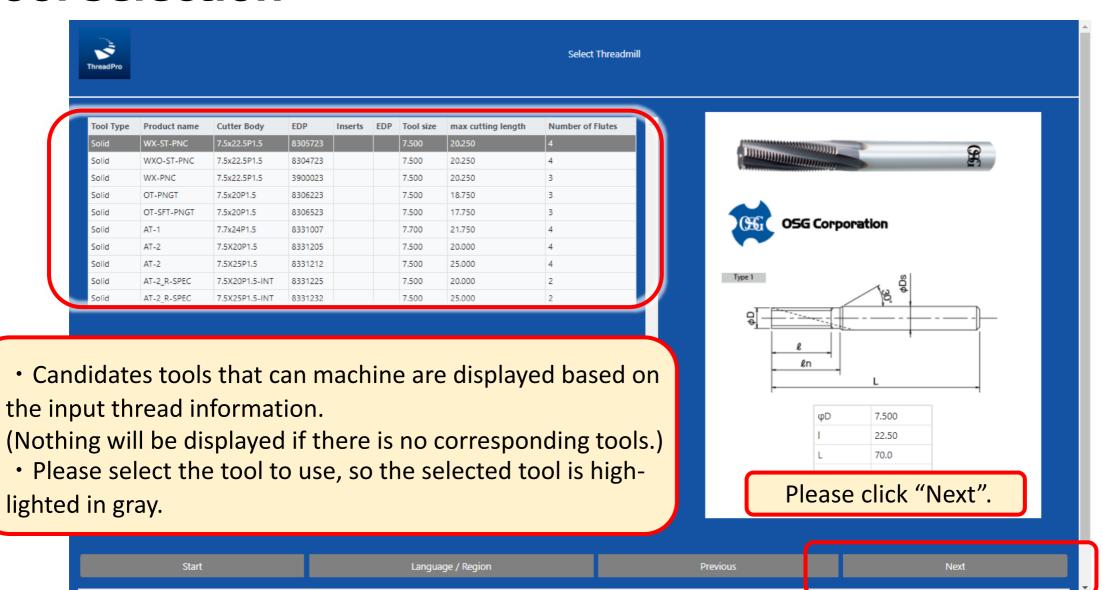
Aim Here!

75% of larger limit for internal thread

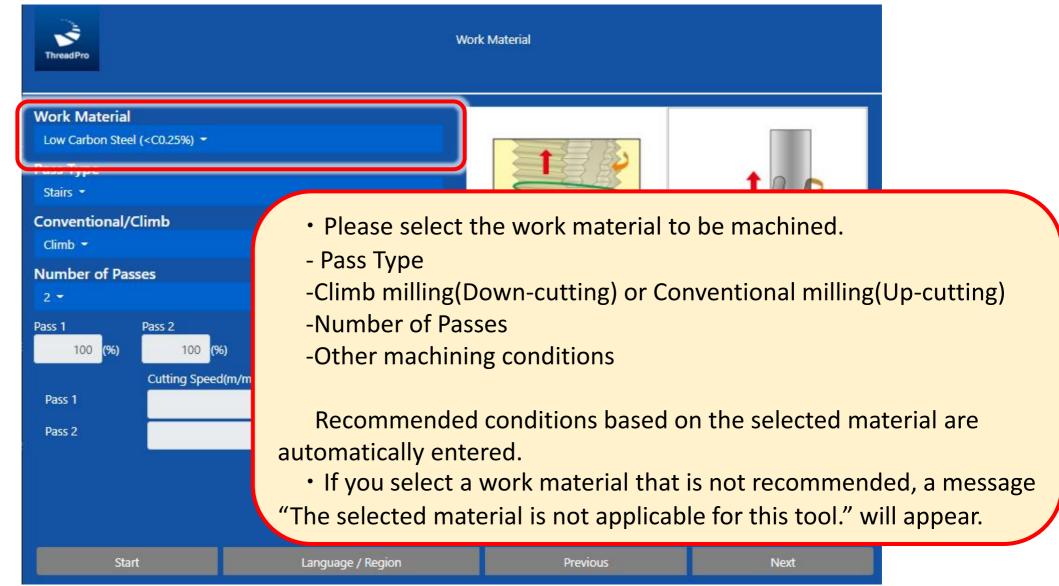
It means to aim at the acceptable range of threads. Default values are 75% (larger side) for internal threads, and 25% (smaller side) for external threads in light of their engagement.

You can change these values as necessary.

Tool selection



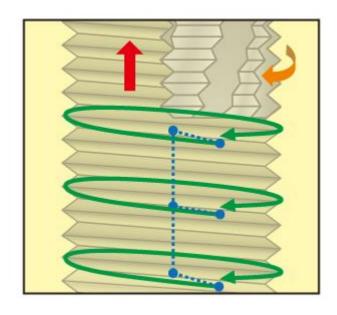
Machining conditions



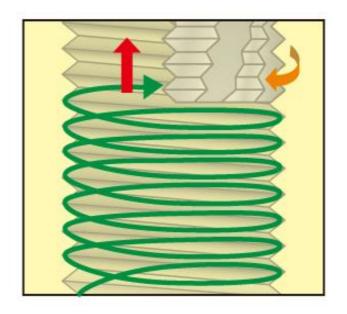
Stairs type (Multi pass)/Continuous type (Single pass)

The stairs type (multi pass) for more efficiency, the continuous type (single pass) for more quality can be selected according to the application.

The stairs type is basically recommended but select the type that suits your machining environment and purpose.



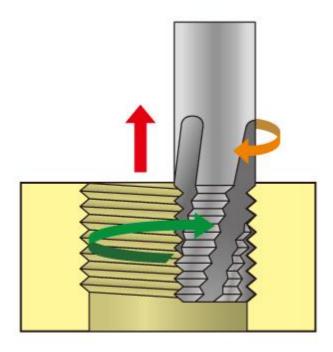
Stairs type



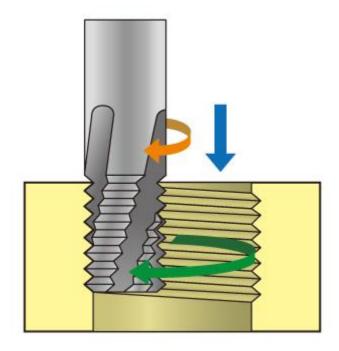
Continuous type

Climb milling (Down-cut) / Conventional milling (Up-cut)

For an internal right-hand thread, climb milling (down-cut) refers to cutting upward from the bottom. While conventional milling (up-cut) refers to cutting downward from the hole entrance to bottom. It depends on whether right or left-hand thread and milling direction of the tool.

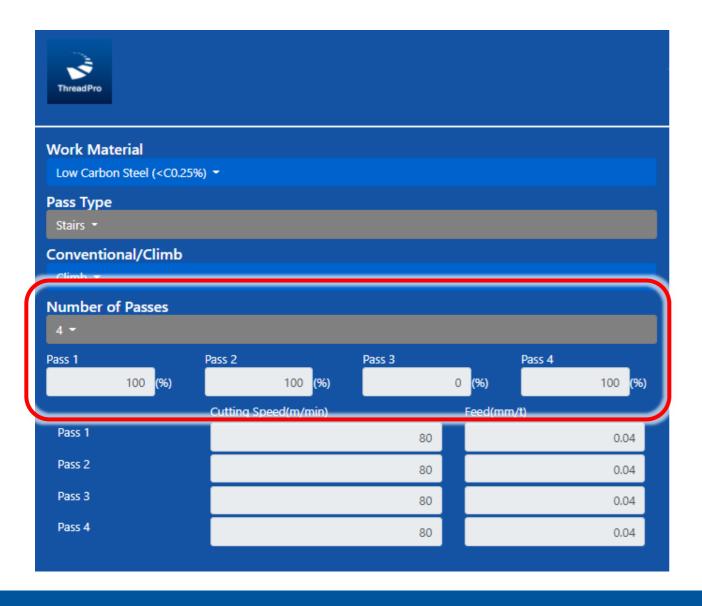


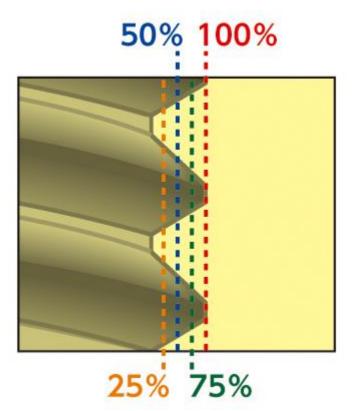
Climb milling For tool durability



Conventional milling For finishing quality

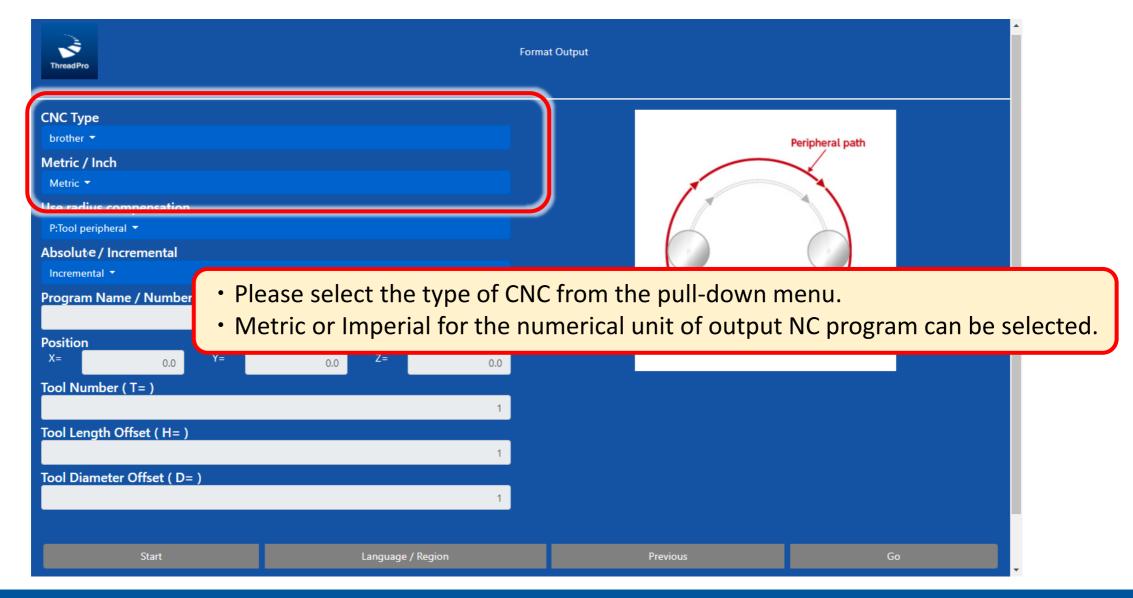
Number of Passes



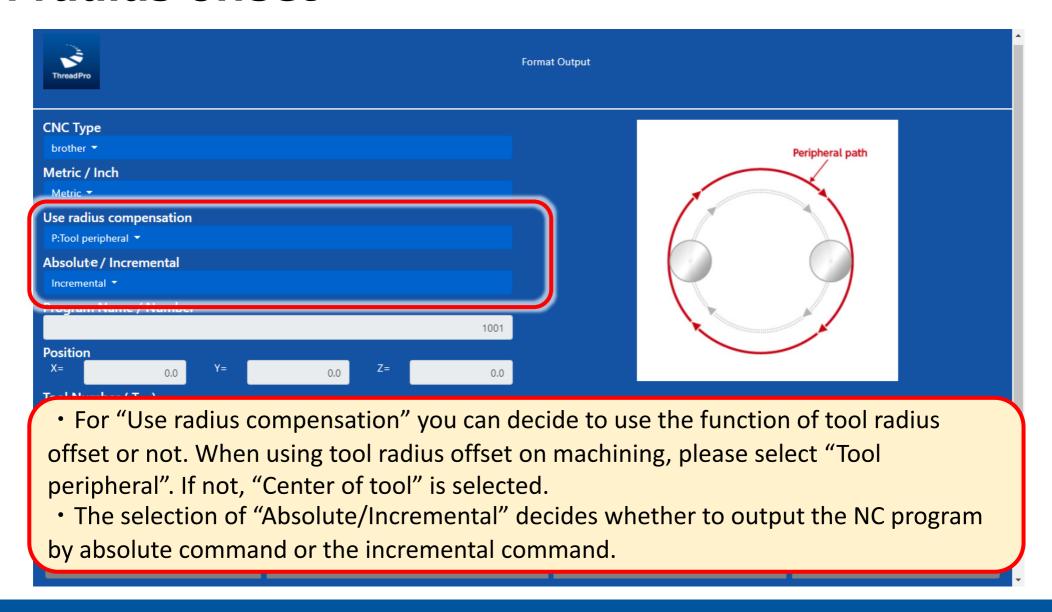


The amount of cut can be adjusted on each pass. Also, by entering 100% in "Pass-1" you can easily create a zero-cut path program.

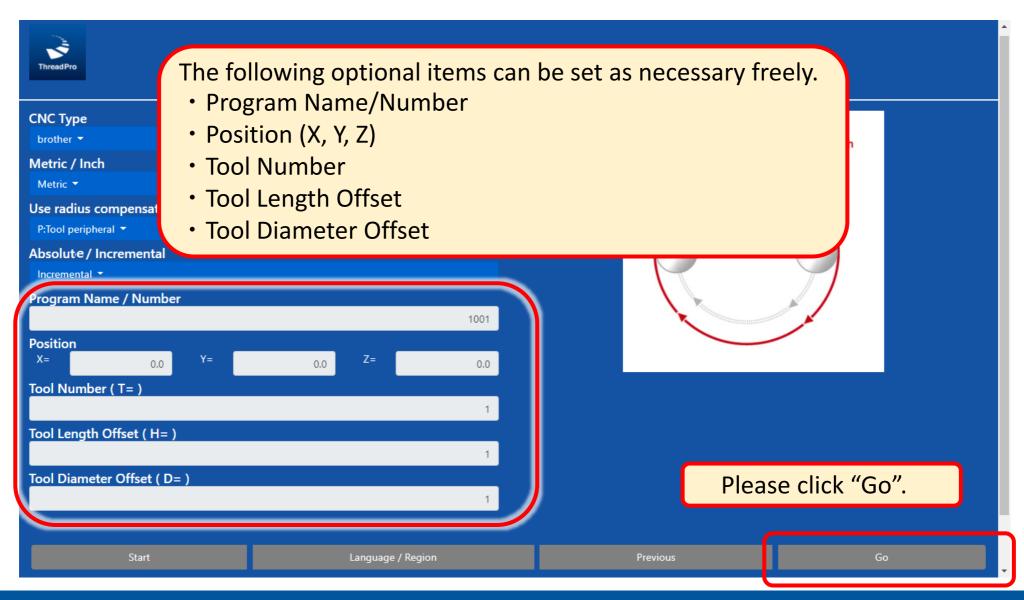
Type of CNC



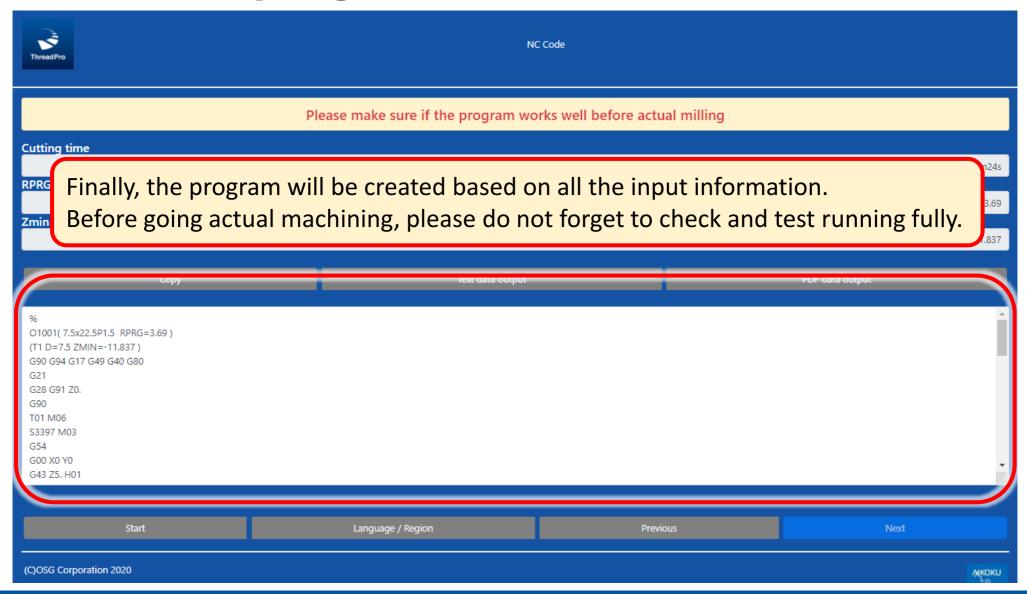
Tool radius offset



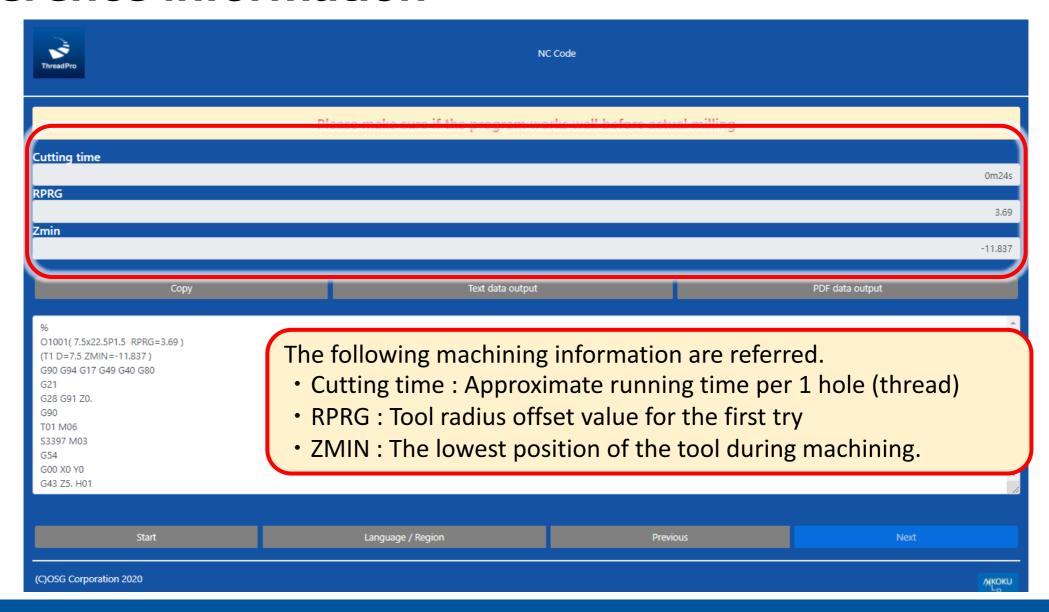
Optional items



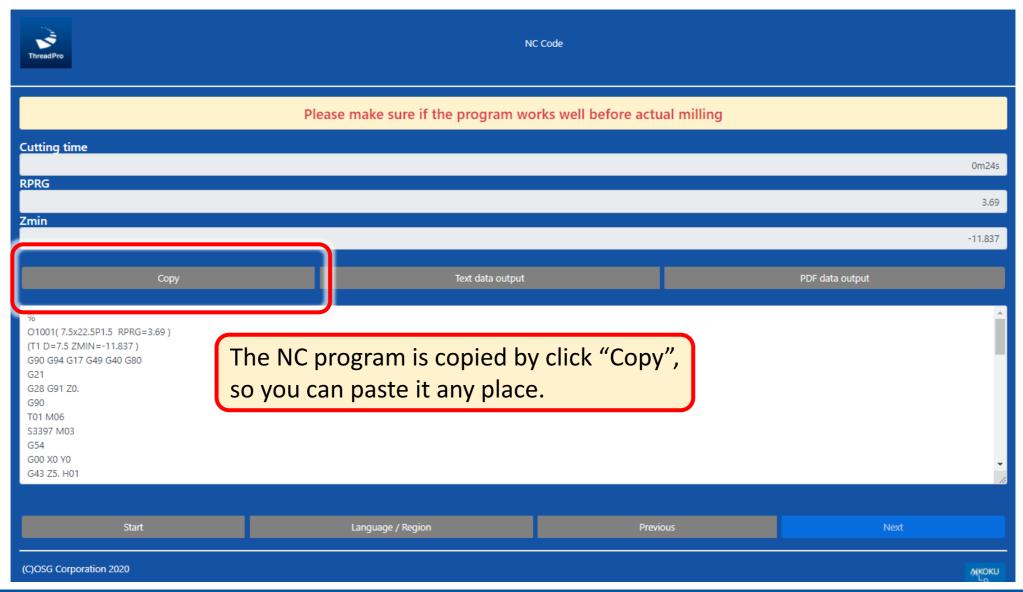
Creation of NC program



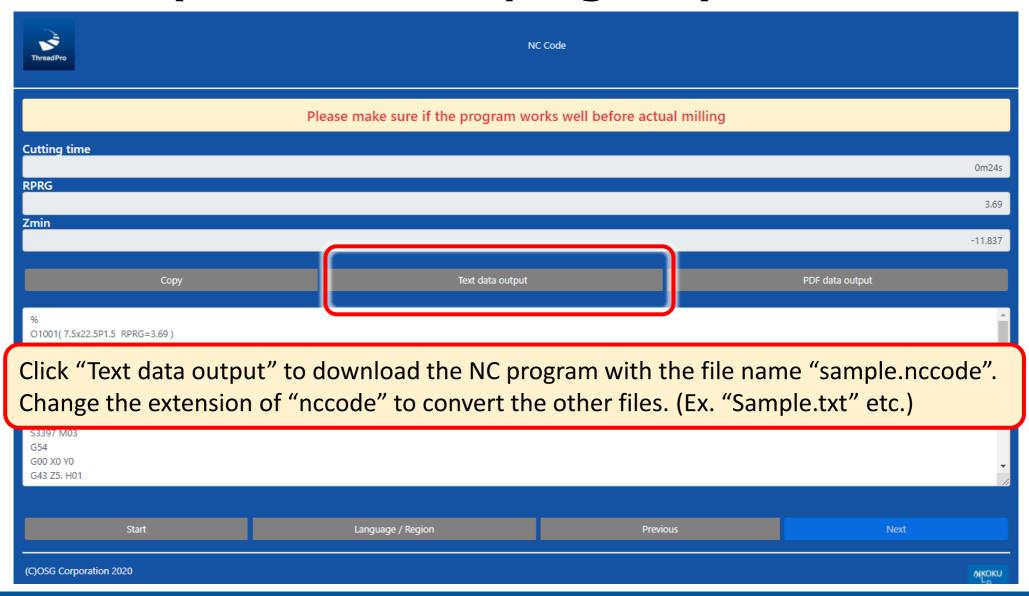
Reference information



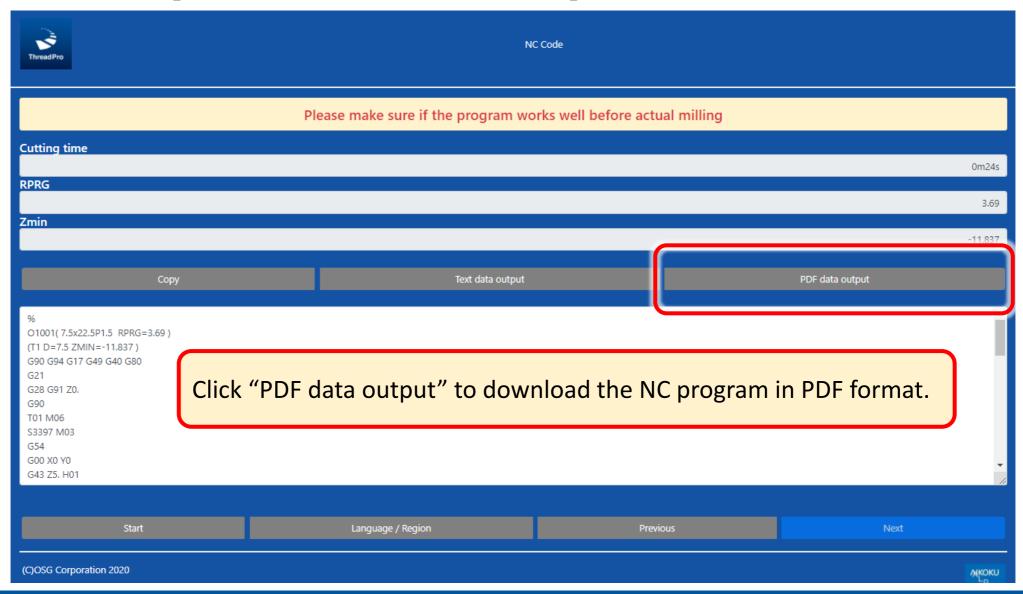
Function 1 (Copying NC program)



Function 2 (Download NC program)



Function 3 (Download in PDF)





shaping your dreams