

# Nakamura Tome WY-150



The contents of this manual are relative to GO2cam version:

V6.09

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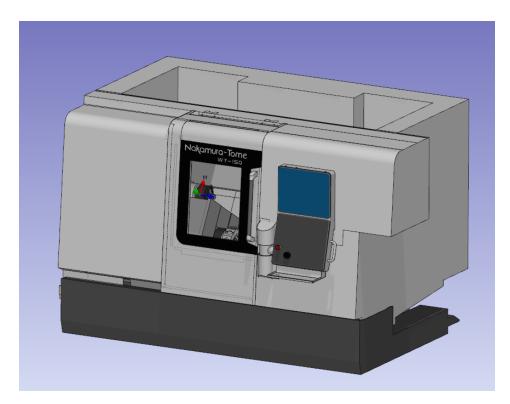
# Summary

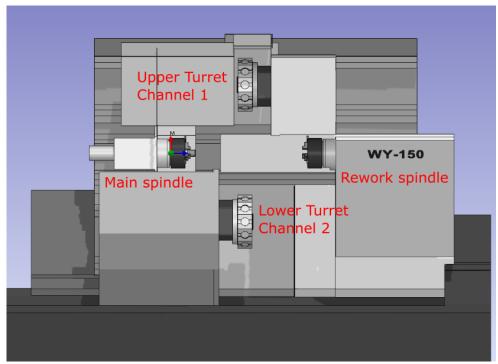
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# 1 Machine description

The machine is Nakamura Tome WY-150 with two spindles and 2 turrets. One upper, and one lower.

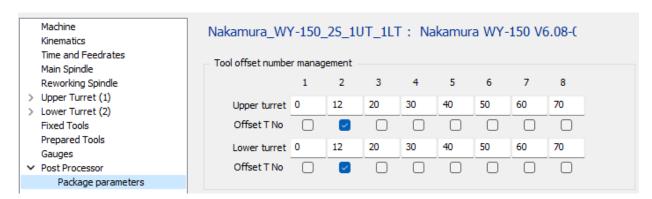






## 2 Package parameters

## 2.1 Tool offset number management



By default a tool is called with it number and offset number with the same than the tool number.

If the tool mounted on the tool support 1 of a turret, it will called with T0101.

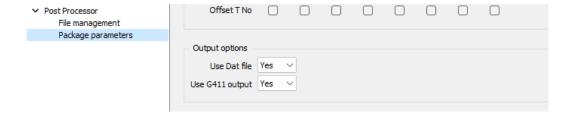
If there is more than one tool the second tool mount on the second position will be offset of 12. The tool will be called with T0113.

You can also check the "Offset T No" to be able to offset the tool number too. If the option is check the tool number will be offset of 12. It will be called with T1313.

You can change the offset value for each tool position. By default the first triedrial of tool holder will offset of 0, the second offset of 10, the third offest of 20, ...



#### 2.2 Use Dat file



If you use this mode it means the parting rework operation will not be outputed by PP and have to be manage in the dat file. It means also the user will always work in bar and always use the same scenario in GO2cam.

This file has to be saved in the mac folder with the same name than MCT file and ".DAT" as extension.

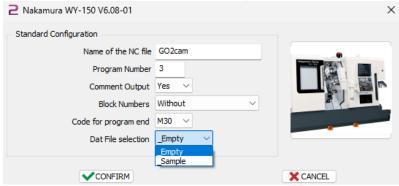
An empty file with only section defined is stored in the mac folder with the name of MCT following by "\_Empty".

You can define several Dat files with these rules for the name:

- File name start with the name of machine
- Add a suffix to the name of dat file
- Don't use "-" in the suffix

Sample: "Nakamura\_WY-150\_2S\_1UT\_1LT\_Sample.DAT" and "Nakamura\_WY-150\_2S\_1UT\_1LT\_Empty.DAT"

You will have the list in the PP launch window at start, to choose which one use.



A dat file contains preformat NC code and you can use some variables that will be replaced by values when the program will be generated.

The available variables are the following

Variable	Meaning
\$PART_LG	Length of
	finish part
\$STOCK_LG	Length of
	stock
\$STOCK_ZMAX	Zmax of
	stock
	regarding
	the origin



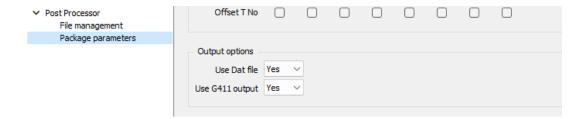
\$STOCK_DIAM	Diameter of	
	stock	
\$STOCK_DIAM_IN	Inside	
	diameter of	
	stock	
\$Z_ALLOWANCE	Allowance of	
	the stock	
	regarding	
	the origin	
\$MAIN_OUT	Length of	
	part out of	
	the main	
	spindle	
\$REWORK_IN	Length of	
	part inside	
	the chuck	
	from the	
	max of chuck	
	in rework	
455146514	spindle	
\$REWORK_OUT	Length of	
	part out of	
	the chuck in	
	rework	
COURT DARK I C	spindle	
\$CUT_PART_LG	Length of	
	part after	
COUT 7 ALLOWANCE	parting	
\$CUT_Z_ALLOWANCE	Allowance in	
	the aprting	
COUT LINUT	cycle	
\$CUT_UNIT	Spindle unit	
	code 97 for	
	rot/min 96	
CCUT CCC	for m/min	
\$CUT_CSS	Cutting	
	speed for	
	parting	
	operation. 0 if unit is 97	
\$CUT_RPM		
3CU1_RFM	Spindle speed in	
	· •	
	rotation per minute. 0 if	
	unit is 96	



\$CUT_TYPE	Type of parting cycle used 0: Simple 1: Deburring 2: Chip Breaking 3: Mixt	Deburring  Chip breaking  Mixt
\$CUT_DEBURRING_DEPTH		Parting Mixt
		Deburring depth 2.00 mm
		Chip breaking depth 2.00 mm
COUT CHIP PREAM PERTI		Chip breaking retract 1.00 mm
\$CUT_CHIP_BREAK_DEPTH		Parting Mixt V
		Deburring depth 2.00 mm
		Chip breaking depth 2.00 mm
		Chip breaking retract 1.00 mm
\$CUT_CHIP_BREAK_RETRACT		Parting Mixt ~
		Deburring depth 2.00 mm
		Chip breaking depth 2.00 mm
		Chip breaking retract 1.00 mm
\$NUM_PROG	Number of	
CDEWORK DART CATCLER	program	By default the value is set to 120
\$REWORK_PART_CATCHER	Position of part catcher	By default the value is set to -120 It can be change by using techno function "Part
	part daterior	removal"
		Part Removal
		∨   Time 1.0 s 🕞 📂   🗶 ✔



## 2.3 Use G411 output (JUMP option)



When using G411, the PP will output a G411 command at the start of operation. For main spindle it will output G411 L1 I<xx> and for rework spindle G411 R1 I<xx> where <xx> is the block number of the end of operation.

If this option is used it will not have any other block number in the program.

The other statements of G411 have to be output with the DAT file. Check the machine manual to have more information about it.

## 2.4 Origin Option

It's possible to define a default value for origin number for main spindle and for rework spindle.

