



TM Flow Editor

Brief description

Confidential

Purpose

- 1. To reduce online editing time, HMI offline editing provides a solution to build up the general structure in advance.
- 2. User does not need to stop online robot to modify the flow. Impact to the capacity could be reduced by offline editing.

Equipment

1.TM5

2.TM Flow Editor 3.Dongle with License

Application Instruction Eunction applied

Function applied

(1) TM flow node

(2) Vision node





Application instruction





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- A warning message will pop up when user run HMI on the platform plugged with Dongle.
- Press YES to continue or NO to loave

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- 1. Forbidden functions, including controller will all be displayed in greyscale.
- 2. Point Nodes in offline mode are forbidden. Position teaching is necessary after the project is imported.





The export process of offline mode is same as the online mode.

A01060129NB	2017/12/29 上午	檔案資料夾
TM_RCB100	2017/12/22 下午	檔案資料夾
	2017/12/4 上午 1	檔案資料夾
	2017/12/4 上午 1	檔案資料夾
	2017/12/12 上午	檔案資料夾
	2017/12/12 上午	檔案資料夾
M164737	2017/12/8 下午 0	檔案資料夾
TM164766	2017/12/8 下午 0	檔案資料夾

The name of the export file will be the computer name of the platform that user run TM Flow editor. Import to the TM robot when coding finished.

Import Export	Select files	Selected files	Node Name	P2			
			Recorded on Rol	Recorded on RobotBase 🚄, 🔟			
		_	Motion Setting	0			
		Robot List	C. PTP	Line 🖓 WayPoint			
		A01060129NB	Point Manageme	nt			
		TM_RCB100	Import from existing points	Point Manager			
		TM161711					
		TM161711_1	Blending				
		TM161766	By Percentage	By Radius No Blending			
		TM163010	Advanced Setting				
		TM164737		fi Tool Shift			
		OK Cancel		Toorshire			
	USB Connection:	USB Free space.	Send	0 kg			
	Connected	9733 MB	Precise positi	oning			

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• After import, user needs to re teach position of points added in offline mode.



Vision offline function



Application instruction

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•		Step Run Point Manager Base	Manager Controller Variables	Select EditBlock	🗻 0 RobotBa 🔻 T	0 NOTOO 🔽 Display	, ,	
Set	O Vision	+ OfflineProject	Vi	ision	×		<	
Point	Stop		Node Name					F
() Wait for	Gateway	Start	Vision Job		>			U
Ç→ If	Pause	Ø <u> </u>	Motion Setting		Vision Job	+		
~ 3	\rightarrow	Pass	S PTP	Line	Create New Job			
Voice	Goto		No parameters			Job Name Input:		
Pallet ↔	Display					OfflineVision	_	
Move	Circle				ОК		Cancel	
SubFlow	Network							
Warp	Command	*	ОК		ОК	Cancel	100%	•

WARNING :

Before offline editing, user needs to create a vision job in online mode. Vision offline editing only supports existed AOI job editing instead of creating new job.



Online mode





Execute the project. Snap shot will be saved in the external SSD after vision job done.





Offline mode

- 1. Import the project in offline mode and start to edit.
- 2. Choose required vision job(AOI recognition), and start to edit in Vision Designer.





The message, required to set up the saving path, will pop up when starting the Vision Designer. Note: The default path selection will be TMROBOT\VisionImages if there is no any other folder.



 The live video is going to play the images in the folder in turns. User can choose to play once or just to pause the stream in the setting mode





Click on both the "Save Source Images" and "Save Result Images" button when saving the finished job.





• After importing from the offline project, the shape pattern will be the new pattern which is selected in the offline mode when executing the project.





END

