

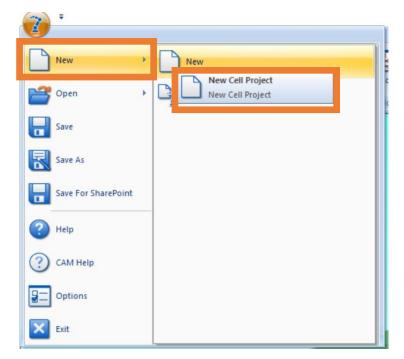
Building a MotoSim Cell with CMOS

Introduction

This document will show you how to build a cell with a CMOS file.

Create a new MotoSim cell with CMOS

1. Click on new in the upper right corner of the program. There you can create a new project.

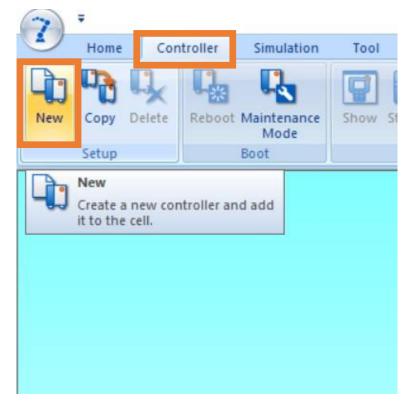


YASKAWA PARTNER SUPPORT

Shared Integration Experience

This document captures ideas, experiences, and informal recommendations from the Yaskawa Partner Support team. It is meant to augment – not supersede manuals or documentation from motoman.com. Please contact the Partner Support team at partnersupport@motoman.com for updates or clarification.

2. Next, you need to add a controller. Click on the controller tab. Then on New.





3. After clicking on new, you will get a window has shown here. Click the one that says, (using file).

Create Controller ×	
VRC Controller(Network) OK Cancel	



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4. Locate the CMOS.BIN file you had saved. You can click on OPEN or double click the CMOS

C	and to creation	They be 17 how he I had 150 I II		
	AW AR1440 & AR2010 with lube	12/21/2021 2:47 PN 12/21/2021 8:23 AN		
	Clean Up 4-21			
	CMOS.BIN	3/2/2022 10:41 AM		
2	Concept Libraries - Shortcut	1/3/2017 8:32 AM		
2	Desktop Clean up Nov 2021	12/22/2021 1:47 PN		
	Drone Videos	12/21/2021 2:47 PN		
	EU Skyhooks	12/22/2021 11:33 A		
	Colored and the Chanter	10/00/0001 0.01 44		
	Col Coloradale Channel	12/22/2021 0:01 44		
	Control Control - Channel	12/22/2021 0.01 Ab		
	V Parameter (*.bin;4	~		
		~		



After clicking to open the CMOS file, you will get the following window. Here, it tells you the controller type the CMOS came from. You also can initialize the CIO or not. If you need to evaluate the CIO, then you will not initialize it. Then click on ok to create new controller with that CMOS file.

- Controller Type	
YRC1000	<u> </u>
✓ Initialize CIO	
Controller Name:	
YRC1000	
System Version:	
YAS4.30-00	
YRC1000:This is the version. Please sele	



5. This will open the robot settings. Make sure it is showing the correct robot type, and stations or base if applicable. Then, click OK.

Group	Name	Туре	Model
R01	YRC1000-R	1-06VXH25	C:\Program
S01	YRC1000-S01	TURN-1	-
S02	YRC1000-S02	TURN-1	
Robot Nar			
Robot Nar YRC1000	-R01		,
Robot Nar YRC1000 Robot Mod	-R01 del File	MotoSi	Another Tupe
Robot Nar YRC1000 Robot Mod	-R01	\MotoSi	Another Type



6. A new cell will open with the correct robot and have the same configuration with base or stations as the real robot. However, the cell will not have any of the models for your system like stations, base axis, fixturing and parts. This will all have to be added, and everything aligned with the axis frames in MotoSim. You will have to be familiar with how to do this if you are needing a cell to work in and not just check on settings. There are other white papers and videos showing the build process.

VPP_CMOS White	Paper_YRC1000		🗙 e 👘 Cube Collision Area 👻
PLAY TEACH	START HOLD	SERVO ON E.STOP SYNC.	File Settings
JOB EC	DIT DISPLAY UTILITY	12 🗹 🛤 🔞 🖵 🕀	<u></u> >+;•₩ <u>Q</u> *@
JOB DOT ARC WELDING VARIABLE BOO1 IN/OUT IN/OUT ROBOT SYSTEM INFO	JOB CONTENT: MASTER J:TEST-WELD CONTROL GROUP: R1 0001 MOVJ VJ=2.00 0002 MOVJ VJ=0.78 0003 ARCON ASF#(1) 0004 MOVL V=18 0005 ARCOF AEF#(1) 0006 MOVJ VJ=2.00 0007 END	S:0001 TOOL: 00	
	MOVJ VJ=0.78		
Main Menu Simple	Menu I/F Panel		