Product Information

New

Product

Hirata · Robot · Simulator

RPI-0174

Date of issue : 3rd July 2020

Release overview

This is a new release information of a software product [Hirata Robot Simulator] which can realize reviewing of Hirata robot application system during designing. Please check the detail shown below.

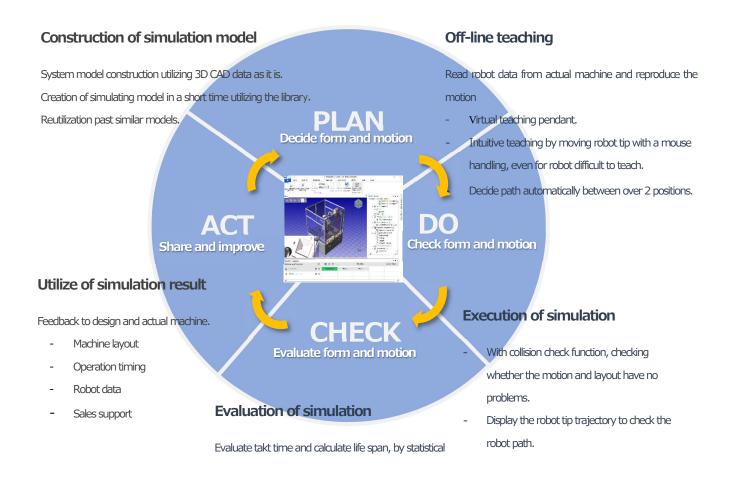
Background

Now a day, against a background of shortage of workers, factory automation system becomes more complex and highly functional, therefore, it is needed pre-verification environment in order to shorten start-up period. With these background, we have developed the engineering environment to support Hirata robot and controller.

Product overview

[Hirata Robot Simulator] is an engineering tool which can support the design and evaluation and sales of small-scaled equipment applied Hirata robots. This product enable to do the below.

- > Find problem early which was conventionally difficult to find in advance.
- > Shorten start-up period by enabling advance teaching.
- > Supporting sales activities, by making image documents like videos and/or PDF, before system completion.





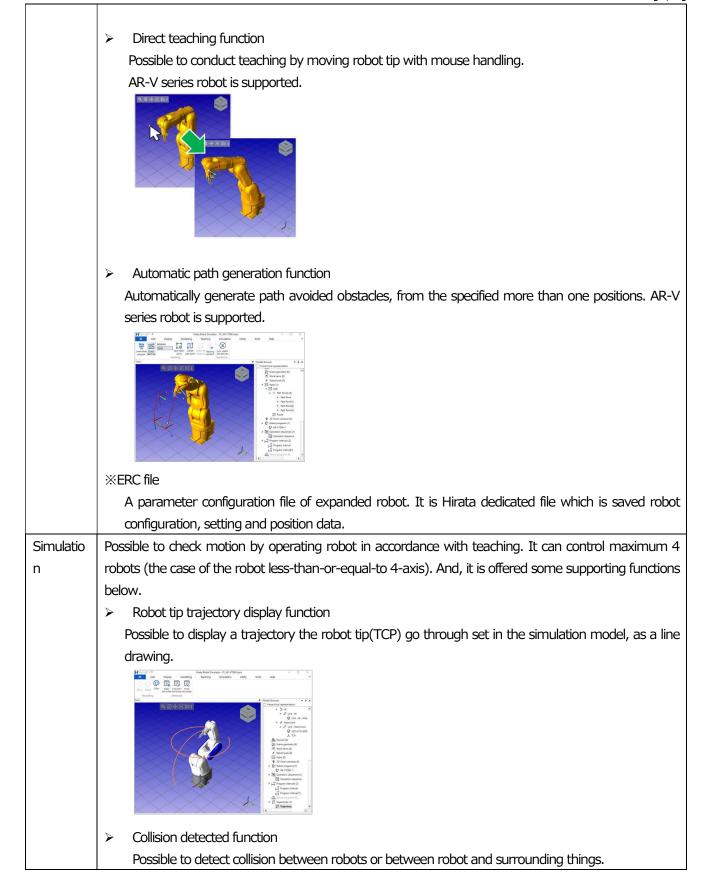
- Main feature
 - Possible to replay Hirata robot motions accurately. \triangleright
 - It can be used by a mid-range PC which is used in an office work. ≻
 - Possible to create system model and simulate by simple operation. ۶
- Release date

July, 2020

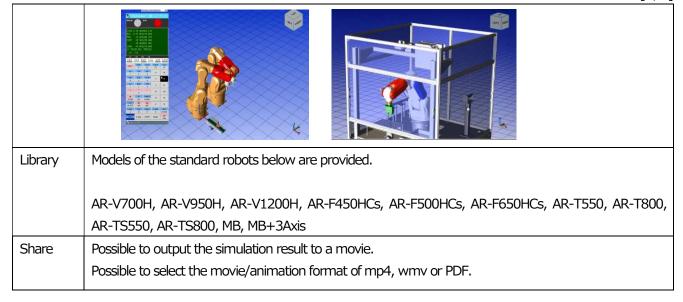
Function

Function	Note	
Modeling	Load 3D CAD data (Robots, devices, safety fence, etc.) and make model.	
	The below are CAD data form can be loadable.	
	HSF(.hsf), StereoLithography(.stl), Wavefront(.obj), ACIS SAT (.sat, .sab), CATIA	
	V5(.CATPart, .CATProduct, .CATShape, .CATDrawing), Creo(.prt, .neu, .asm, .xas, .xpr),	
	DWG(.dwg, .dxf), IGES(.igs, iges), Inventor(.ipt, .iam), JT(.jt), PDF(.pdf),	
	Parasolid(.x_t, .xmt, .x_b, .xmt_txt), STEP(.stp, .step, .stpz, .stp_z), etc	
	* Depends on a version and data contents of CAD model, it has a difficulty to load in some case.	
Layout	Possible to check the appearance of robot system on the 3D view, by combine with the models create	
Off-line	Possible to conduct teaching to the virtual robot on PC.	
teaching	Details function is the below.	
	 Load/Write robot program (ERC file※) 	
	Possible to simulate by loading exiting robot program(ERC file).	
	A robot program which is changed inside the simulator can be saved onto the external.	
	 Virtual teaching pendant function 	
	Operate robot and conducting teaching using a screen compatible to H-38xx series teaching	









■ Supported robots and controllers

The supported robots and controllers by this product is below.

Controller	HNC-X series
Robot	Horizontal articulated robot AR-F series (※note) Vertical articulated robot AR-V series Hanging over robot AR-T series (※note) Cartesian robot MB series (excluding some) (※note)
	 *: note: Although it is possible to simulate robot that are controlled by HNC9xx series controller, but some supported functions are different. Please check HNC-9xx functions and use within the range of specifications
	 ※ About the standard robots, it is planned to expand gradually. ※ Regarding a robot which custom specs, please make contact with sales representative staffs of Hirata.

■ Others

If you have any concerns, please contact sales representative staffs of Hirata.

Specification described on this notice is as of the issue date and might be changed without notice.

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