

	Form title <b>Machining PowerPac 6.06 Machining Functionality</b>	Ref	
Department ABB Robotics/BU Robotics Product		Date 10/18/2017	File name Machining PowerPac- Machining Functionality Release Notes.doc
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## Release Information

### *Release Name*

The release name is RobotStudio Machining PowerPac 6.06 - Machining Functionality.

The release contains following products:

Installation package of Machining PowerPac 6.06

### *Release Information*

The information should be considered as last minutes information and most up-to-date.

For more information please contact project manager: CN-Robotics-Software@abb.com

### *Release Time*

Release time **2017-10**

### *Ordering number*

Ordering number for the Machining PowerPac 6.06 - Machining Functionality Manual is  
**3HAC054781**

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## General

### **Installation information**

- 1) Download Machining PowerPac 6.06 from the following link,  
<http://new.abb.com/products/robotics/robotstudio/downloads>
- 2) Click “ABB Machining PowerPac 6.06.exe” to install Machining PowerPac - Machining Functionality
- 3) Machining PowerPac - Machining Functionality will be installed under “Robotics IT”, the standard install location for RS PowerPac

### **Language information**

Machining 6.06 Supports following languages:

- ☐ English
- ☐ Chinese

### **Main functions**

- Create Tool model
  - Easily create tool geometry
  - Support user-defined contact point on tool
- Create geometry
  - 5 strategies to create path curves based on the Cad model
  - Geometry boundary to constrain process area
- Create operation
  - Tool axis control
  - Flexible non-process move setting strategies
  - WAVE path
  - Safe path
- Path edit
  - 2 strategies to do smooth tool axis interpolation
  - Support smooth contact point(on tool) adjustment
- Simulation

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- New quick simulation and collision check in RS
- Support VC simulation
- Export RAPID
- Extendable with template

### **Corrections MPP 6.06**

#### **Corrections**

**Fix the problem that the “Target Configuration” function can not be used in “Czech” region languages. PDD 7909**

**Fix the problem of “download new MPP version available” still appears although new version just installed. PDD 8919**

**Fix the problem of sometimes boundary of area cannot be extracted correctly due to tolerance issue. PDD 9184**

**Fix the problem of wire selection in editing feature curve leads to fatal error. PDD 9182**

**Fix the problem of generating commas instead of dots in rapid code in polish language setting. PDD 8980**

**Fix the problem of change of approach/depart point through split wires leads to "none" instructions. PDD 9263**

**Fix the problem of Incorrect Positioning of specified frame. PDD 9306**

### **Limitations**

- Zig/zigzag pattern for operation is not available after editing the sequence of feature curves
- Flexible contact point on tool is not supported for tool face machining
- System supports only ABB 6-axis robots, except for IRB 6640ID, IRB 6640 LeanID, and 6-axis painting robots IRB 52, IRB 5400, and IRB 580

### **Known issues**

- The Machining PowerPac - Machining may encounter error if users have run Machining Powerpac older version in the same RobotStudio session
- For operation tool axis, if the specified fixed tool axis is close to 90 degree with the original tool axis, the calculated tool axis maybe wrong

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- Undo for creating tool in Machining PowerPac doesn't work well, users need to undo twice to undo a tool creating operation
- CAMWorkobject node in geometry view and tool node in tool view don't support copy/paste from keyboard(ctrl + c/ctrl + v)
- The user interface layout of Machining PowerPac maybe incorrect if users don't use "smaller – 100% (default)" in Windows display setting
- Tool change of operation causes incorrect position of safe path in quick simulation
- Quick simulation of robot on track for safe path is incorrect while VC simulation is OK
- Safe path defined in operation is not included in operation template
- IRB6700\_300\_270 kinematics has an error, currently this robot type is not supported.