

# THANK YOU FOR CHOOSING ROBOTIQ

This step-by-step guide will allow you to install and use your **EPick Vacuum Gripper** on **Omron TM Series robots**.



## 1. WHAT IS SUPPLIED?

Standard upon delivery of a Omron Series kit:

- Vacuum Generator..... (GRIPPER-EPICK)
- Gripper Coupling ..... (GRP-TM-CPL-022)
- High-Flex Device Cable ..... (CBL-COM-2065-10-HF)
- RS232 to RS485 Adapter.....(ACC-ADT-RS232-RS485)
- USB to RS485 Adapter.....(ACC-ADT-USB-RS485)
- Suction cup
- Required Hardware



## 2. TOOLS YOU NEED



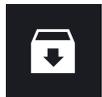
2mm slotted screwdriver



2mm hex key



4mm hex key



## 3. GET THE LATEST

1. Visit: [support.robotiq.com](http://support.robotiq.com)
2. Select Omron TM, Air-Pick Vacuum Gripper, Software, Gripper Software.
3. Download the latest TM Plug & Play Software Package.
4. Decompress the package at the root of a USB storage device and rename the USB device **"TMROBOT"**.

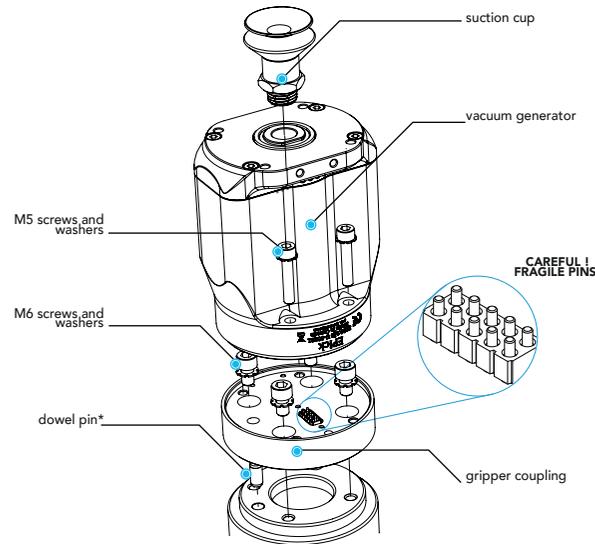


BEFORE OPERATING THE GRIPPER, PLEASE READ YOUR INSTRUCTION MANUAL.



## 4. MOUNTING

1. Mount the coupling on your robot arm. Align with the provided dowel pin\*.
2. Secure by inserting the M6 screws and tooth lock washers.
3. Mount the Vacuum Gripper on the coupling. Align with the dowel pin\*.
4. Secure by inserting the M5 screws and tooth lock washers.
5. Plug the coupling's cable into the Gripper's pigtail and fix the cable along the robot arm using a cable routing system.
6. To install either a 2 or a 4 suction cups gripper, please refer to the Connector Assembly Guide. You can find details on assembling the Suction Cup System.



\*The dowel pin is meant to have a tight fit on the robot side and a slip fit on the effector side of the assembly.

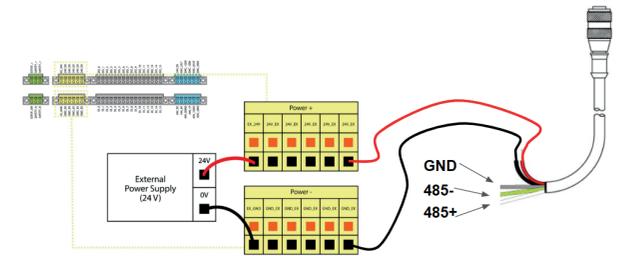


LEAVE ENOUGH EXCESS CABLE TO ALLOW FULL ROBOT MOVEMENT.



## 5. WIRING

1. The red (24V) and black (0V) wires of the device cable (CBL-COM-2065-10-HF) provide power to the Gripper.
2. Connect the red wire to a **24V** slot.
3. Connect the black wire to **0V** slot.

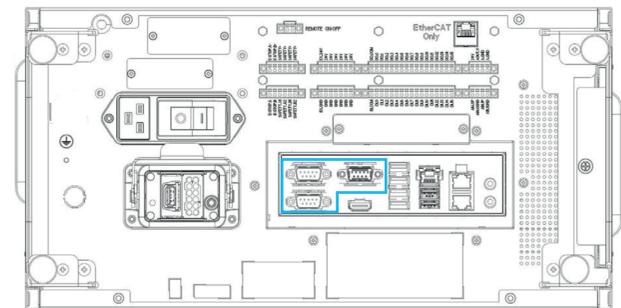


4. Connect the communication wires in the RS232 signal converter (ACC-ADT-RS232-RS485) as shown below.



Pin	Signal Name	CBL-COM-2065-10-HF High-Flex Device Cable
1	<b>485 + (A)</b>	<b>WHITE</b>
2	<b>485 - (B)</b>	<b>GREEN</b>
3	<b>485 GND</b>	<b>SHIELD</b>

5. Connect the RS232 end of the signal converter to a COM port of the robot controller.





## 6. SOFTWARE INSTALLATION

1. Turn on the robot and log in to TM Flow.
2. Connect the USB device that contains the **Components** in the robot controller.
3. Take control of the robot, tap the **triple bar icon** and select **System Settings**.
4. Click on **Import/Export**.
5. Click on the **Import** button, select **TMComponent** in the **Robot List** menu and click **OK**.
6. Select the files to import in the list on the left and click on the **Send** button.
7. Tap the **triple bar icon** and select **Robot Setting**.
8. Enable the appropriate Components by clicking on the **radio buttons** and click on the **Save** button.



### Vacuum Gripper



For installation on  
Omron TM Series  
collaborative robots



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New product has a 1-year warranty from the shipping date.  
Refer to your product instruction manual for details.

[support.robotiq.com](https://support.robotiq.com)

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