

# Electric Vacuum End Effector Model EVE-500

## Techman Robot

TM Plug & Play Program Certified Product



TM Plug & Play  
CERTIFIED

Electric vacuum end effector

**e-VEE**

× TECHMAN ROBOT



▲  
Special Website

Energy saving	Pump automatically stops at preset pressure
Vacuum holding function	Valve maintains vacuum when the pump stops automatically
Suitable for use anywhere	No compressed air required
Easy setup	No need for hose routing
Quiet operation	No air discharge noise
Cleanliness	No external air inflow
I/O signal type	PNP / NPN models available
TM Component	Easy programming

The electric vacuum end effector **e-VEE** has been certified under Techman Robot's TM Plug & Play program.

## Effortless Setup and Teaching for e-VEE



Techman Robot's  
TM5S

Electric Vacuum End Effector

**eVEE**



**NITTO KOHKI**

Screw type tool flange



Adapter ring



Flange adapter

Tool flange



**KOSMEK**  
Harmony in Innovation

Manual robotic hand changer

Optional accessory

Made-to-order

Master cylinder

Model **SXR0070-M**



Tool adapter



Connection adapter TM

Model **EVE-CA-TM**

Optional accessory

The dedicated connection adapter prevents interference with the camera.

Features

- No compressed air required due to built-in vacuum pump
- Enables energy savings in vacuum lifting

Specifications

Model **EVE-500**

Attainable Vacuum	kPa (mmHg)	-66.6 {-500}	
Free Air Displacement	L/min	7.5	
Rated Voltage		24 V DC	
Power Consumption	W	14.4 *1	
Energy Consumption	kWh	0.014	
Dimensions *Excluding protrusion	mm	104(W) x 96(D) x 80(H)	
Weight	kg	<b>EVE-500-NK</b>	<b>EVE-500-KOM</b>
			<b>EVE-500-KO</b>
		Main unit only	0.92
	When mounted	1.08	1.13
I/O Signal Type		PNP / NPN	
Mounting Interface		ISO Mechanical Interface 4	

Model Type Selection Guide

Mounting Type		I/O Signal Type	
		PNP	NPN
Screw type tool flange		<b>EVE-500-NK-PNP</b>	<b>EVE-500-NK-NPN</b>
Manual robotic hand changer	Master cylinder + Tool adapter	<b>EVE-500-KOM-PNP *2</b>	<b>EVE-500-KOM-NPN *2</b>
	Tool adapter only	<b>EVE-500-KO-PNP *2</b>	<b>EVE-500-KO-NPN *2</b>

\*1 Maximum instantaneous value during operation.

\*2 Made-to-order models. For details, please contact your local sales staff.



**Switch from Ejector to Vacuum Pump for Energy-Saving Vacuum Lifting**

Up to

**77%** \*3

reduction  
in power consumption

Power Consumption

MAX  
**14.4 W** \*1

Energy Consumption

**0.014 kWh**

Compressor

+

Ejector

Switch to

**eVEE**

**No compressed  
air required**

\*3 Compared to an ejector of the same capacity, with an air consumption of 13 L/min per unit.

**NITTO KOHKI CO., LTD.**

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