

EMI Modular Vacuum Kit – MPK

Everything you need to get your Cobot up and running for vacuum applications.

EMI's Modular Profile Kit includes 2 mounting plates, 3 different lengths of profile (450mm, 350mm, 200mm), 3 styles of vacuum cups, vacuum posts, cross clamps, manifold, fittings, vacuum generator with integrated sensing, 5/2 on-arm solenoid valve, cable management clamps, tubing, wiring harness, and all the necessary hardware to build your own custom vacuum EOAT.

Quick# 8005

CRK-MPK1-A

KIT PRICE: \$995.⁰⁰

Modular MPK Vacuum Kit:

- Modular, lightweight aluminum frame with two anodized aluminum mount plates.
- Three sets of vacuum cups included: high temperature Silicone, non-marking Hithane and Dual Durometer.
- Includes an integrated vacuum generator with a monitoring switch for part confirmation.
- Up to 450mm x 450mm footprint!
- Compatible with our existing line-up of EOAT components.
- Includes EMI's robot plugin and sample CAD models for easy assembly and programming.
- Compatible with the ISO-9409-1-50-4-M6 mounting interface.
- Compatible with QC75 and QC90 quick changers.



Easily modify configurations when your application changes.



Our User Guide provides all information from setup to troubleshooting.

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Completely modular and lightweight, the MPK is a great starting point for most vacuum applications and can easily be expanded with EMI's complete line up of EOAT framing, suspensions, grippers, vacuum cups, and more. All in stock and ready to ship with a team of Engineers ready to assist you with your application.



Interface plates and URCap make attaching and programming on Universal Robots fast and easy.



Quick# 8016

5/2 Solenoid valve with fittings, mufflers, and non-slip Velcro® strap.



Quick# 8015

Two cable management clamps with non-slip Velcro strap.



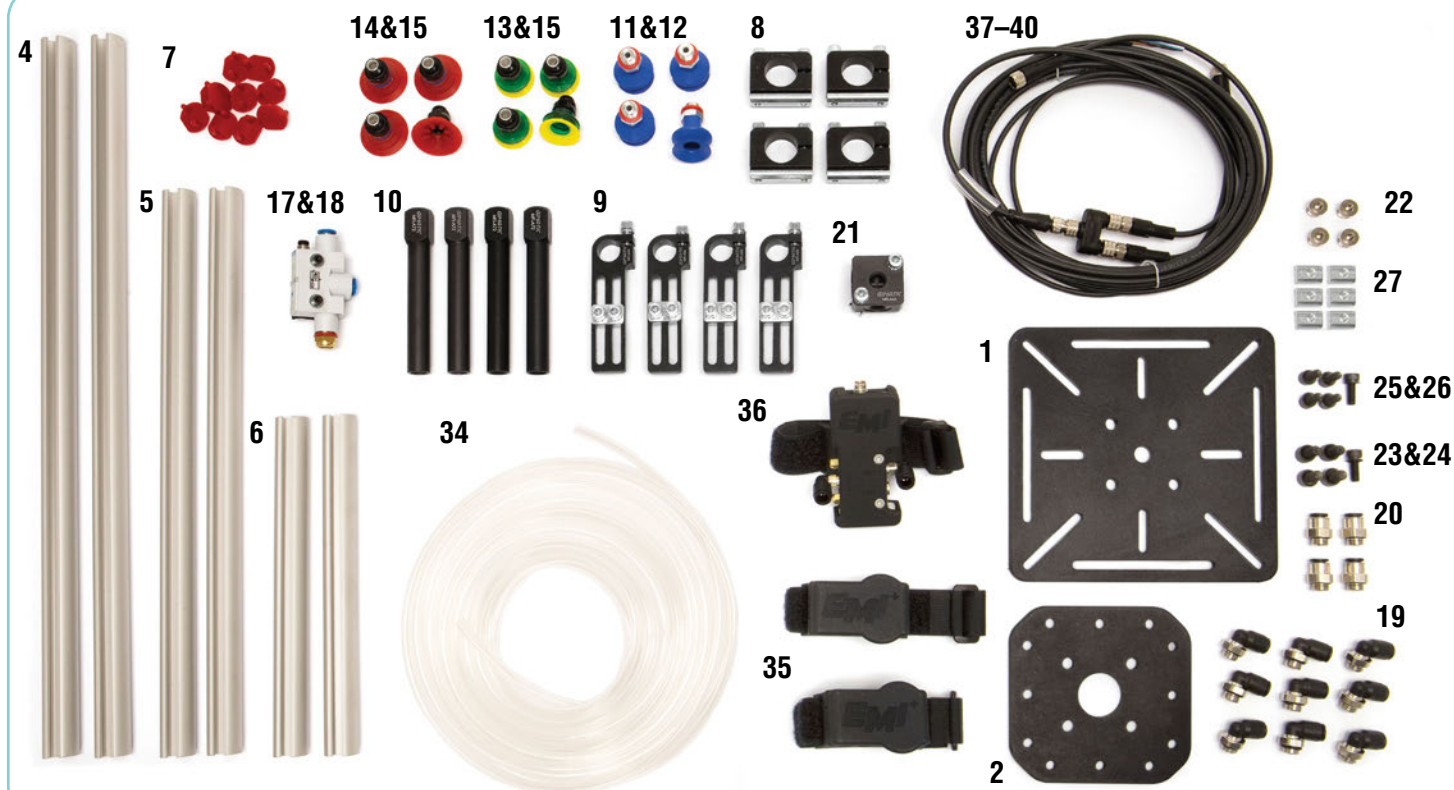
#8091 with silencer #8069

Vacuum generator with monitoring switch for part confirmation.



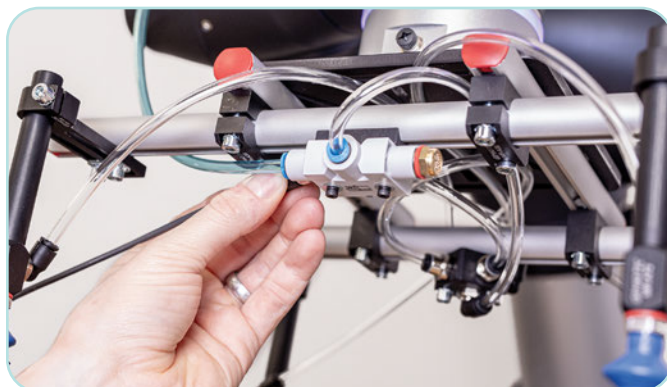
USB drive includes EOAT sample assemblies, and user manual.

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Easy to Assemble and Modify!

EMI's Modular Profile Kit includes all the components needed to build your own vacuum end effector. The USB drive includes several CAD models of assemblies pre-designed by our EOAT Engineers. If you have any questions on how to build your End of Arm Tooling, just give us a call. We'll be happy to guide you through the process.



Modular Profile Kit Bill of Materials

#	Quick#	Part#	Description	Qty.
1	8057	CRM-0138-1A	UR Mount Plate	1
2	8058	CRM-0138-2A	UR Mount plate	1
3	8092	CR3-0138-3	Vacuum Generator Bracket	1
4	6035	EMB-2017-1000	Ø20mm Profile, 450mm long	2
5	6035	EMB-2017-1000	Ø20mm Profile, 350mm long	2
6	6035	EMB-2017-1000	Ø20mm Profile, 200mm long	2
7	6054	MFP-K29	Profile end cap (10pack)	1
8	5695	MFI-A38	Ø20mm Cross Clamp	4
9	5702	MFI-A06	Ø14mm long Angle Clamp	4
10	5735	MFI-A72	Ø14mm Vacuum Arm	4
11	1653	GSV-BHT-25	25mm Hithane Vacuum Cup	4
12	1604	GSF-PFN-G8M	G1/8 Vacuum Nipple	4
13	5645	GSV-1BDD-25	25mm Duraflex Cup	4
14	1429	GSV-F30-20	30mm Flat Piab Cup	4
15	5157	GSV-02AB	G1/8 Nipple for Piab Cups	8
16	244	GSF-G-G8	G1/8 Seal Ring	4
17	8091	VN10H-T4-PQ2-VQ2-O1P	Vacuum Generator w/ Monitor	1
18	8069	AMTE-M-H-G18	G1/8 Muffler	1
19	121	GSF-QME-G806	6mm, G1/8 Elbow Fitting	9
20	105	GSF-QMC-G806	6mm, G1/8 Straight Fitting	4
21	5771	MFI-A66	5-port Manifold Block	1
22	1388	GSF-TPP-U8	G1/8 Plug	4
23	880	GSC-M6-LW	M6 Lock Washer	4
24	873	GSC-M6-14	M6x14 SHCS	4
25	854	GSC-M5-14	M5x14 SHCS	6
26	865	GSC-M5-LW	M5 Lock Washer	6
27	6019	MFI-025	M5 Channel Nut	6
28	822	GSC-M3-22	M3x22mm SHCS	2
29	827	GSC-M3-LW	M3 Lock Washer	2
30	829	GSC-M3-FW	M3 Fender Washer	2
31	318	GSC-TI-M3	M3 Brass Insert	2
32	986	GSC-FSH-4x10	M4x10mm FSH	1
33	6058	MFI-177	M4 Channel Nut	1
34	958	GSU-PC-0604	Ø6mm Clear Tubing	1
35	8015	CRA-CMK-1	Cable Mgmt. Kit	2
36	8016	CRA-SVK-1	Cobot Solenoid Valve Kit	1
37	8081	GSE-E12269	IFM Splitter	1
38	8082	GSE-RFC-M8-4P	4-pin M8 Connector Robotic Flex (5m)	1
39	8086	CRC 1000 3P*	3-pin M8 Cable (1000mm)	1
40	8084	CRC 650 3P*	3-pin M8 Cable (650mm)	1

*Part may vary.

Contact EMI for hardware and 3D-printed components.

EMI's wide offering of EOAT components allows you to expand on the MPK. Check out different vacuum cups, grippers and framing in our EOAT Catalog to make this kit even more adaptable.