

VM6-500

PROMOTIONAL ROBOT

DYNAMIC MOTION. ELEVATED PRESENTATION.



The VM6 500 is a precision-engineered, multi-axis robotic arm designed to enhance product presentation through intelligent motion. Compact and versatile, it enables brands to transform static displays into engaging, interactive experiences.

Ideal for retail environments, exhibitions, and point-of-sale showcases, the VM6 500 captures attention, drives engagement, and reinforces brand distinction through innovation and movement.



WORKING WITH VISUAL MOCO:

When you partner with us, you're working with a team that understands the importance of seamless execution. We support you through every stage—from early concept development and technical planning, to robot animation, programming, installation, and beyond.

Our control software allows full integration across your experience—managing lighting, motion, interactivity, and media playback from a single, unified platform. And with built-in remote monitoring and remote support, we're here to ensure everything performs exactly as it should.

Whether it's one robot or a nationwide rollout, we'll help make it happen—smoothly, reliably, and professionally.

KEY FEATURES:

- ▶ **Multi-Axis Movement** – Smooth, precise motion across multiple axes for dynamic and expressive product presentation
- ▶ **Automated Operation** – Fully programmable with the ability to power on/off based on schedule, sensor input, or external triggers
- ▶ **Customisable Design** – Easily customised with branded covers or props to match campaigns and installation aesthetics
- ▶ **Compact Footprint** – Designed to integrate seamlessly into retail spaces, display units, or exhibition stands
- ▶ **Custom Mounting Options** – Adaptable for tabletop, wall, or bespoke installations
- ▶ **Scalable & Networkable** – Operates as a standalone unit or in sync with multiple robots for coordinated displays

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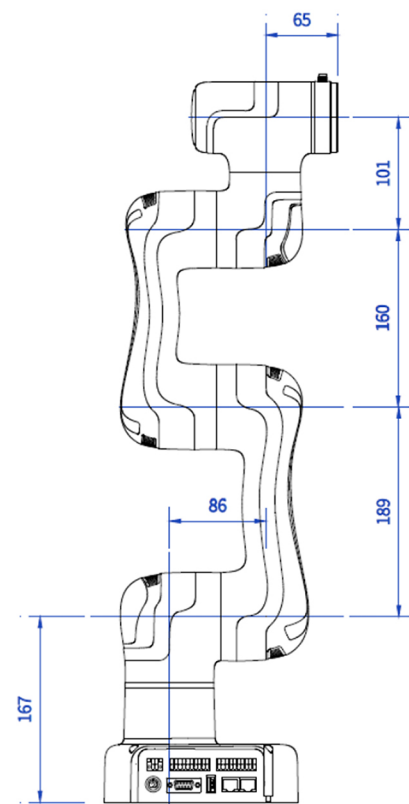
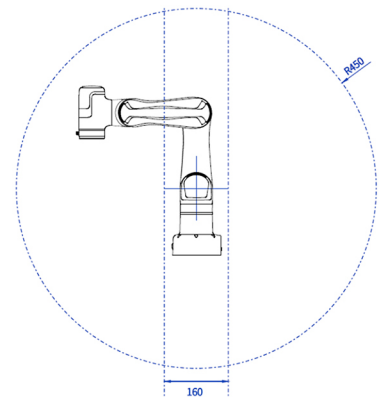
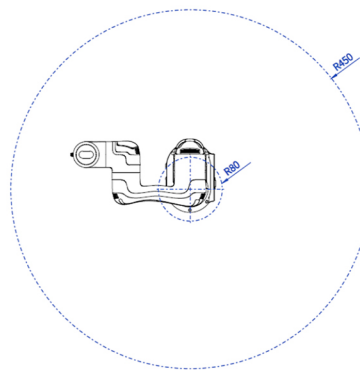
VISUAL
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SPECIFICATION

Item

Specs

Weight	7.2Kg
DOF	6
Product Payload	750g
Working Range(mm)	450mm
Repeatability	#0.1mm
Max TCP Speed	0.5m/s
Range of Joints	J1 $\pm 360^\circ$ J2 $\pm 135^\circ$ J3 $\pm 154^\circ$ J4 $\pm 160^\circ$ J5 $\pm 173^\circ$ J6 $\pm 360^\circ$
Maximum Joint Speed	120 °/s
Power Input	100V~240V AC ,50/60 Hz
Rated Power	48V 5A DC
Rated Power Consumption	130W
Communication Interface	<i>Ethernet</i> <i>USB</i> 2, for TCP/IP & Modbus TCP communication 1, wireless connection
IO Interface	<i>Mount</i> <i>Base</i> DI*2, DO*2, 24V*1, GND* DI*16, DO*16, 24V*4, GND*4
IO Power	24V, Max 2A, Max 0.5A for each channel
External Interface	EMO*1, ABZ encoder*1, power connector*
Control Software	MoCo Studio
IP Rating	IP20
Base size	162*120*103mm
Working Environment	Temperature :0°C - 50°C Humidity:25%-85%, non-condensing
Noise	50dB(A)
Installation	Desktop, Wall, Ceiling
Material	Aluminium Alloy, ABS



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