Specifications

Item			VT-M121-6	VT-M121-10
Installation part	Power supply voltage		(Single phase) allowable variation range	
	Operating air pressure/Flow rate		0.3~0.6MPa	
	Operating air temperature range		10~35℃	
	Operating humidity range		35~80%RH (No condensation)	
	External dimensions (WxDxH)		910 x 1234 x 1600mm *Not including the protrusion, signal tower	
	Weight		Approximately 520kg	
Mechanism part	Carrier system		Belt conveyor carrier system with width adjustment mechanism	
	Carrier height		from floor surface 900±20mm *Adjust by adjuster foot	
	Conveyor width adjustment		50~460mm	
	Carrier clearance		Top 55mm, Bottom 50mm	
	Inspection range (XxYxZ)		510 x 460 x 60mm	
	Allowable carrier height		Less than 4kg	
Illumination part	Camera		1200 mega pixel CMOS camera (FH-SCX12)	
	Pixel resolution		6µm/Pixel	10µm/Pixel
	Depth of field		Approximately 1mm	Approximately 3mm
	Illumination		MDMC Illumination (FL-MD180MC, Full color simulated coaxial epi illumination + Full color three dome illumination)	
Inspection function	Test object		LED PCB, CMOS sensor PCB, Ceramic PCB, Millimeter wave radar, Aluminium PCB	
			IGBT power module, Metal processed product, Connector, Motor stator	
	Object size		Min. 50mm x 50mm~Max. 510mm x 460mm	
	Inspection	Dimension	Component position, Component rotation, Component distance, Terminal distance	
	item	measurement	External dimensions ,Cor	centricity ,Hole diameter

Dimension inspection machine VT-M12 Series

Contribute to a more secured and safer manufacturing with autonomous driving technology

ZERO DEFECT

- To achieve Zero defect

Full inspection

Full automatic dimension inspection starts from here

Repeatability

±8um



• This document provides information mainly for selecting suitable models. Please read the Instruction Sheet carefully for information that the user must understand and accept before purchase, including information on warranty, limitations of liability, and precautions.

• This product may cause interference if used in residential areas.

OMRON Corporation

INDUSTRIAL AUTOMATION COMPANY INSPECTION SYSTEMS BUSINESS DIVISION SALES DEPARTMENT

Shinagawa Front Bldg. Conference 7F 2-3-13 Kounan Minato-ku Tokyo 108-0075 JAPAN TEL +81-3-6718-3550 FAX:+81-3-6718-3553

OMRON INDUSTRIAL AUTOMATION

(CHINA) CO., LTD. F20, TowerA, NEO Building, 6011 Shennan Avenue, Futian District, Shenzhen, Guangdong

518048. China TEL: +86-755-8359-9028 FAX: +86-755-8359-9628

Omron AOI Business Europe, Omron Europe B.V. Zilverenberg 2, 5234 GM 's-Hertogenbosch, The Netherlands TEL: +31 (0)736-481811 FAX: +31 (0)736-481879

OMRON ELECTRONICS LLC 2895 Greenspoint Parkway, Suite 200

Hoffman Estates, IL 60169 U.S.A TEL:+1-847-843-7900 FAX:+1-847-843-7787

21F, KyoboTower B Wing, 465, Gangnam-daero, Seocho-gu, Seoul, Korea 137-920

OMRON ASIA PACIFIC PTE LTD 438A Alexandra Road #05-05/08 (Lobby 2) Alexandra Technopark Singapore 119967

Authorized Distributor:

OMRON ELECTRONICS KOREA CO., LTD.

TEL: +82-2-3483-7789 FAX: +82-2-3483-7788

TEL:+65-6835-3011 FAX:+65-6835-2711

*Zero defect defines Omron Inspection System as high quality inspection and creation of superior mechanism which means "No defects at all". This prevent any defect flow out to customer

VT-M121

Automatic

inspection

OMRON







