

Introducing an A3-compatible device in the WM7000 series that can scan long items!

A3 EMC Long

W420×D297×H200mm

Can scan even long cables.



Omnidirectional noise detection along **the straight axis and four rotational axes**※ using a near-field magnetic probe developed in-house

※ Rotational axes: X, Y, Z, and θ



Frequency bands

150kHz~3GHz

150kHz~8GHz

CISPR 22 compliant



Special feature!
Pass-through design

Patent pending
Application 2010-053440
in Japan

The EMC noise scanner chosen by engineers

High Performance EMC Noise Scanner WM7000 series

WM7300



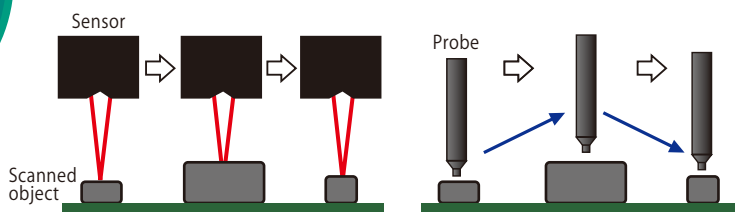
Morita Tech Co., Ltd.

Three reasons the WM7300 is chosen by engineers

1 High-performance yet compact

Both hardware and software were all developed in-house!

- The robot, video camera, and laser range finder are all manufactured in-house.
- It comes equipped with the electric field/magnetic field probes developed in-house. It can scan across a wide frequency band or at high resolution, according to the user's needs and objectives.

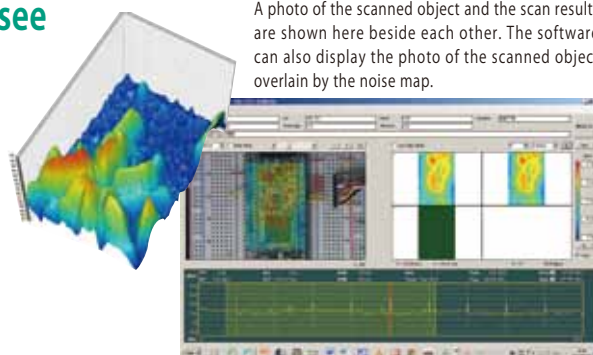


Using the laser range finder sensor, the device can scan the shape of the object without physical contact (left). Furthermore, it can achieve super-sensitive, accurate noise measurement through constant-distance scanning of objects whose surfaces are different in height (right).

2 Easy to operate and user-friendly

With our special software, you can see the source of noise at a glance.

- Accurate, high-speed noise measurement is made possible by the special user-friendly software developed in-house.
- Photos of the scanned object overlaid by a noise map made it obvious what the noise sources are.
- The four-screen comparison mode makes it possible to see differences in noise before and after anti-noise measures are implemented.

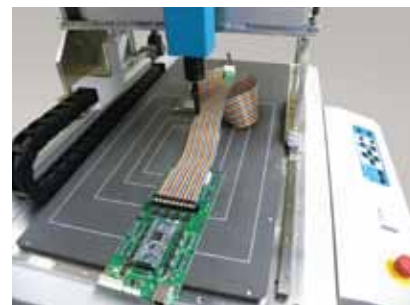


A photo of the scanned object and the scan results are shown here beside each other. The software can also display the photo of the scanned object overlaid by the noise map.

3 Excellent usability

Can scan items up to size A3! Can also handle long items!

- It operates in three scanning modes: Printed Circuit Board Scanning, Fine Component Scanning, and Cable Nonstandard.
- It has a scanning range of up to size A3 (W420 × D297 × H200 mm).
- The scanning platform features a pass-through design with no obstructions, so it is able to scan long items as well.



Long items can be scanned while they protrude from the device.

WM7300 Specifications

Scanning range	W420 mm × D297 mm × H200 mm (the range that the camera can image)
Scanning method	Laser range finding, near-field magnetic probe scanning
Positional accuracy (X, Y, Z)	±0.01 mm (when moving in a single direction)
Positional accuracy (θ)	±1.0°
Scanning frequency band	150 kHz - 3 GHz (standard)
Minimum scanning step	0.1mm
External dimensions	W850 mm × D770 mm × H890 mm (not including connectors or other protruding objects)
Weight	Approx. 60 kg or less (main unit only; not including the spectrum analyzer and PC)
Input voltage	100 V - 240 V AC
Maximum power consumption	150 VA (not including the spectrum analyzer)

Probes Supported by the WM7300

Name	Model	Nominal size	Frequency characteristics
Vertical flat 0.5 mm	VF005	0.5mm	up to 8 GHz
Vertical flat 1 mm	VF010	1mm	up to 6 GHz
Vertical flat 2 mm	VF020	2mm	up to 3 GHz
Vertical flat 5 mm	VF050	5mm	up to 3 GHz
Vertical flat 10 mm	VF100	10mm	up to 2 GHz
Horizontal 1 mm	HC010	1mm	up to 3 GHz
Horizontal 2 mm	HC020	2mm	up to 2 GHz
Horizontal 5 mm	HC050	5mm	up to 1 GHz
Vertical round 1 mm	VC010	1mm	up to 3 GHz
Vertical round 2 mm	VC020	2mm	up to 2 GHz
Vertical round 5 mm	VC050	5mm	up to 1 GHz

Manufacturer



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