



# DATA CONNECTIVITY INSPECTION MACHINE VIM-100

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Product Brochure

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# DATA CONNECTIVITY INSPECTION MACHINE VIM-100

Our new data connectivity inspection machine VIM-100 automatically checks the insertion depth of terminals while detecting concentricity, and shell deformation within data connectivity and wire & harness applications. The automatic rotation mechanism with center interference detection for quick and accurate positioning and 10-mega pixel cameras provide high detection accuracy. The pattern learning-based concept supports the detection of different products while incorporating the end customer's testing programs. In the event of a cable quality issue, our machine will mark the cable while being inspected. Our high-performance machine includes two separate workstations. The continuous process operation allows for more product in less amount of time compared to a machine with one single heating chamber. End and in-line shrinking capabilities are also offered. This machine can offer flexible configurations covering different inspection requirements for a large breadth of products and can easily extend to future data connectivity products. This cost-effective, one-machine solution can cover full ranges of both coaxial and differential products while enabling a quick changeover time of less than 15 minutes.



**Quality Management**



**High Performance**



**Flexible Configuration**



**Cost Effective**

Key Benefits	Advantages
Quality Management	<ul style="list-style-type: none"> <li>• Telecentric lens and 10-mega pixel cameras provide high detection accuracy</li> <li>• The pattern learning-based concept supports the detection of different products while incorporating the end customer's testing programs               <ul style="list-style-type: none"> <li>• Detects housing deformation appearance, concentricity, depth, cable color, etc.</li> </ul> </li> <li>• If there is a cable quality issue our machine will mark the cable while being inspected</li> </ul>
High Performance	<ul style="list-style-type: none"> <li>• Automatic rotation mechanism with center interference detection for quick and accurate positioning</li> </ul>
Flexible Configuration	<ul style="list-style-type: none"> <li>• Covers different inspection requirements for a large breadth of products</li> <li>• Can easily extend to future data connectivity products</li> <li>• Customer can select one or two stations, based on their volume</li> <li>• Can be used as a standalone machine, or in production line with our multi-station processing system (MSPS)</li> </ul>
Cost Effective	<ul style="list-style-type: none"> <li>• One machine solution to cover full ranges of coaxial and differential products</li> <li>• Quick changeover time is less than 15 minutes</li> </ul>

## Industries

- Automotive
- Industrial & Commercial Transportation

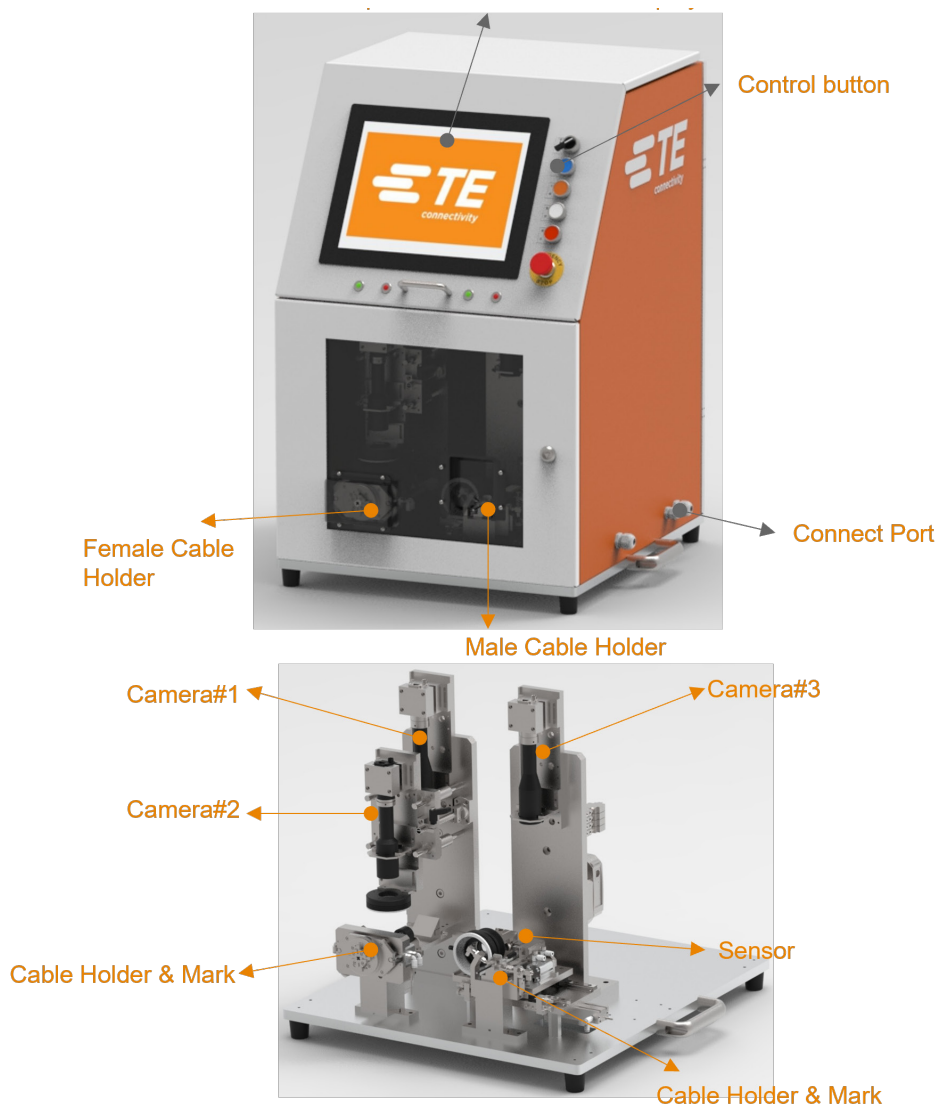
## Applications

- Data connectivity
  - Systems
  - Infotainment
  - Safety
  - In-vehicle networks

## Technical Details

Technical Specifications	
Dimension	600 mm X 600 mm X 870 mm (W X D X H)
Weight	Ca. 149 Kg
Power	AC 220%, Three Phases, 50 HZ
Air	0.5-0.6MPa
Cycle	3.3s-4.5s Decided by the angle of cable.
Camera Resolution	10 Mega Pixel
Lens	Telecentric lens

## Machine Overview (MATE-AX)



## Ordering Information

Part Number	Part Description
PN 2450192-1	MATE-AX Female&Male Tradi Inspection Mach
PN 2450192-2	FAKRA Female&Male Vision Inspection Mach
PN 2450192-3	MATE-AX Female&Female Tradi Inspection Mach
PN 2450192-4	MATENET Female&Male Inspection Mach
PN 2465625-1	FAKRA Male VIM Md Cam+IPC+SW
PN 2465625-2	FAKRA Female VIM Md Cam+IPC+SW
PN 2465625-3	MATE-AX Male VIM Md Cam+IPC+SW
PN 2465625-4	MATE-AX Female VIM Md Cam+IPC+SW
PN 2465625-5	MATENET Male VIM Md Cam+IPC+SW
PN 2465625-6	MATENET Female VIM Md Cam+IPC+SW
PN 2459118-1	FAKRA Male Vision Inspection Holder
PN 2459118-2	FAKRA Female Vision Inspection Holder
PN 2459118-3	MATE-AX Male Vision Inspection Rt Holder
PN 2459118-4	MATE-AX Female Vision Inspection Rt Hder
PN 2459118-7	MATENET Male Vision Inspection Holder
PN 2459118-8	MATENET Female Vision Inspection holder

## Connect With Us

Our tooling is supported by an established, experienced and responsive field service organization. TE Connectivity field engineers are located worldwide and are available to assist with on-site and remote service; selection and installation of new equipment; training; and technical support. Service agreements are available to provide protection and support for all your application tooling equipment.

### Contact Us

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Tooling Portfolio: [tooling.te.com](http://tooling.te.com)

Field Service: [te.com/fieldservice](http://te.com/fieldservice)

## te.com

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