

TE/MTZ

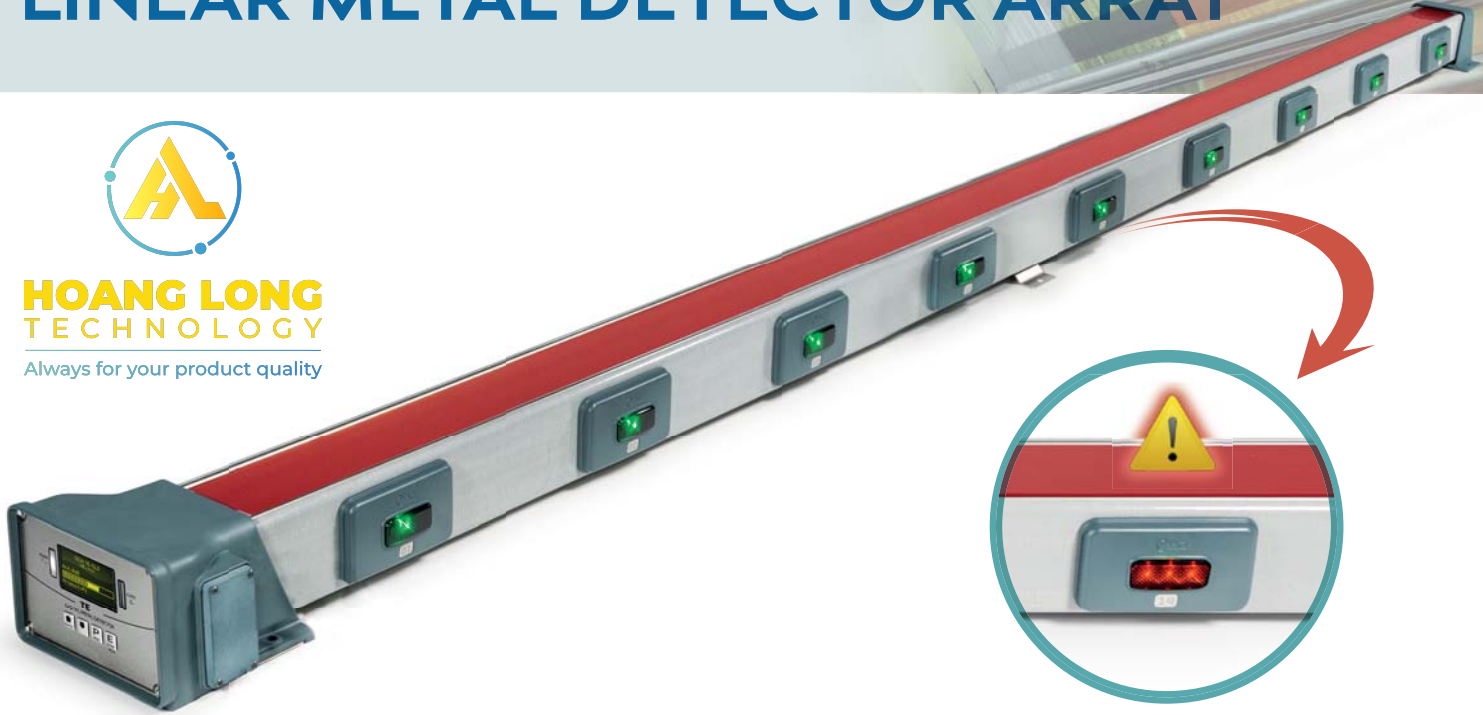
NEW

DIGITAL MULTI-ZONE LINEAR METAL DETECTOR ARRAY



**HOANG LONG
TECHNOLOGY**

Always for your product quality



- **ULTRA HIGH SENSITIVITY** to all magnetic and non-magnetic metals, including stainless steel
- **HIGH PRECISION ZONING** with 300 mm step
- **WIDE DETECTION SPEED RANGE:** from 1 up to **1500 m/min**
- **DURABLE DETECTION SURFACE**
- **COMPLETE CONNECTION** to data recording systems (external vision inspection devices)
- **INTERNAL DATA LOGGING** with data and timestamp for Quality Control
- **COMPACT** and **ROBUST CONSTRUCTION**
- Very high electrical and mechanical **IMMUNITY**
- Remote display and keyboard unit available (**RCU**)
- **CONTINUOUS AUTOTEST** on each individual zone
- Automatic measurement of the **INSTALLATION QUALITY** and **ENVIRONMENTAL COMPATIBILITY**
- **WIDE OPERATING TEMPERATURE RANGE**

- ✓ **MULTI-ZONE INDICATION** OF METAL FRAGMENTS POSITION

BENEFITS

- ✓ QUALITY CONTROL
- ✓ PROTECTION OF MACHINERY
- ✓ MINIMUM PRODUCT REJECT

APPLICATIONS

- ✓ PAPER AND BOARD
- ✓ TEXTILE AND GARMENT
- ✓ PLASTICS AND RUBBER
- ✓ RECYCLING
- ✓ NON WOVEN
- ✓ FIBER GLASS FILM

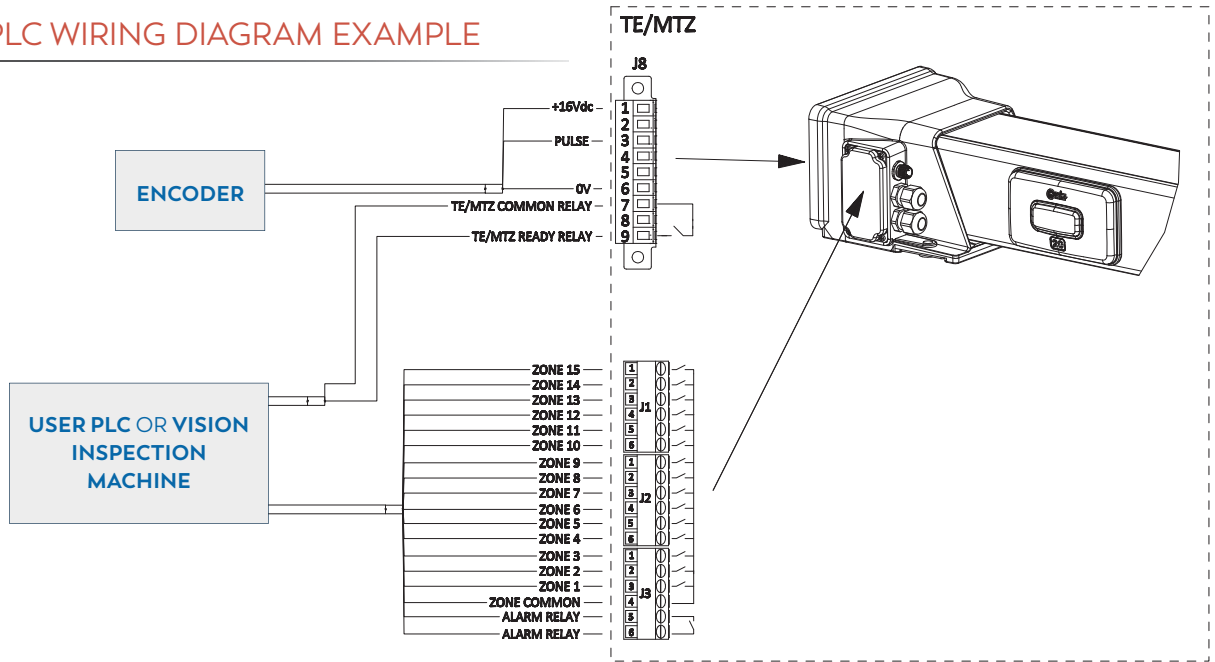


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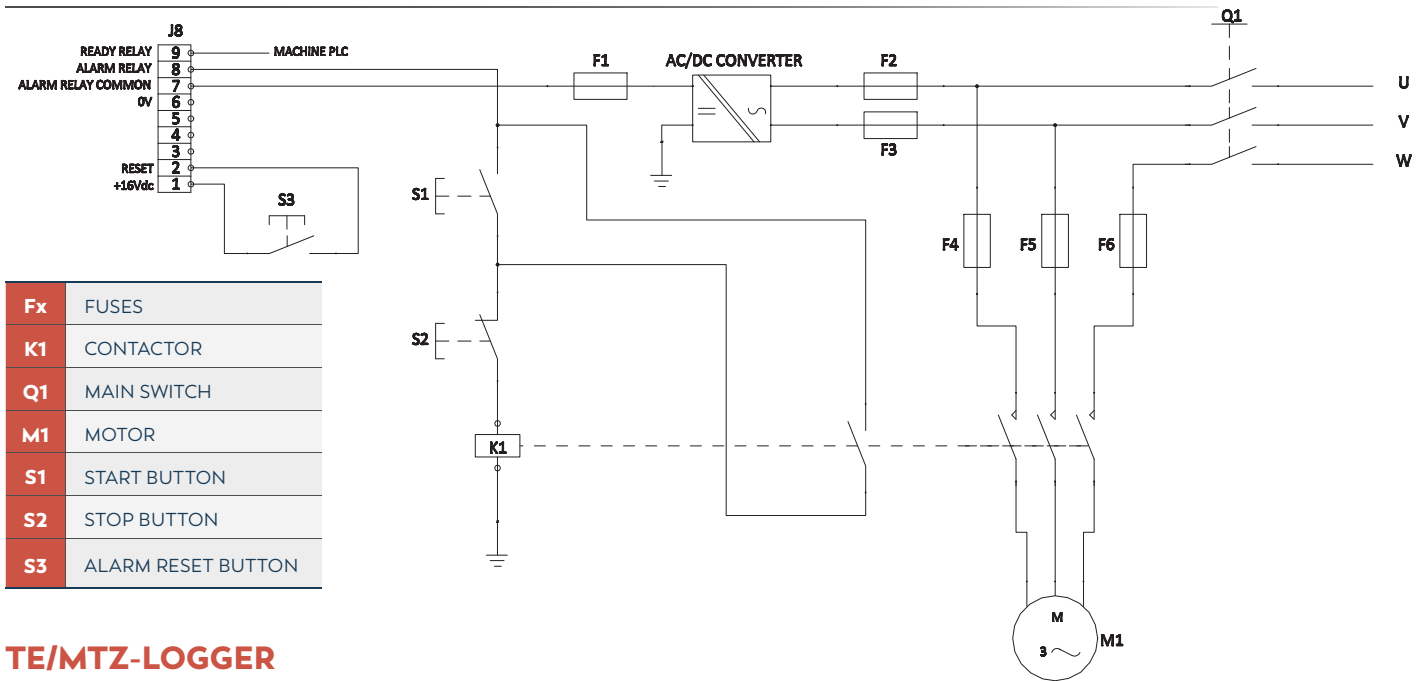


Quality control at its finest

TE/MTZ TO PLC WIRING DIAGRAM EXAMPLE



TE/MTZ LINE STOP WIRING DIAGRAM EXAMPLE



TE/MTZ-LOGGER

- MANAGEMENT OF ROLLS
 - Start set
 - End
 - Data clear
- REAL TIME VISUALIZATION OF THE FOLLOWING ROLL DATA
 - Current Length
 - Number of Alarms on each section and zone
 - Amplitude and position of the last alarm.
- DATA REPORT CREATION FOR EACH ROLL SECTION
 - Roll Name
 - Section name
 - Roll length
 - Date and time of roll start and end
 - Position and amplitude of each alarm





COMPACT AND ROBUST CONSTRUCTION

AUTOLEARN FUNCTION

WIDE DETECTION SPEED RANGE

MULTI-ZONE INDICATION OF METAL FRAGMENTS POSITION

SPECIFICATIONS

KEY FEATURES	Sensitivity area length:	from 1300 mm to 4500 mm
	Detection speed:	from 1 up to 1500 m/min
	Detection capability:	ultra high Sensitivity to magnetic and non-magnetic metals, including stainless steel
	Detection zones:	from 4 to 15 zones, step 300 mm
	Immunity:	high Immunity to mechanical & electrical interferences
	Applicable to:	all type of fabrics and materials
SIGNALLING	Audible	Internal buzzer
	Visual	Graphic display with bar-graph indication Bright indicators on Control Panel: RED (alarm or fault) WHITE (power supply) RGB indicator on each zone
PROGRAMMING	Type	Local: through built-in keyboard Remote: wireless BT or RS232
	Data capabilities	Internal memory: 1000 events, 20 products
	Programming access	2 access levels: Operator and Supervisor
INTERFACES	RS232 (2 ports) and BT wireless	
	Range of Fieldbus available as option	Ethernet/IP • Profinet • Profibus • EtherCAT Modbus-TPC • Profinet-OPC-UA
INPUTS	Connection for	Alarm reset and Encoder input
OUTPUTS	Solid state relay programmable 30 V 0.5A max	1 Alarm relay (on SCD board)
		1 Ready relay (on SCD board)
		1 Alarm relay (on SCN board)
		15 Zone alarm relay (on SCN board)
POWER SUPPLY (external AC/DC adapter)	Voltage	100-240 V~ 1ph - 50/60 Hz
	Current	0.85A max
SAFETY	Galvanic isolation of line voltage	
	Low operating voltage No danger for the operator	
	Compliant with international standards of safety and radio interference	
ENVIRONMENTAL DATA	Temperature	Operating -10 to +50 °C
		Storage -25 to +60 °C
	Relative humidity	Higher product temperature on demand
CERTIFICATION AND CONFORMITY	• Low Voltage (LVD) Directive 2014/35/EU	
	• EN 60204-1:2018 Safety of machinery - Electrical equipment of machines - Part 1: General requirements	
	• Electromagnetic Compatibility (EMC) Directive 2014/30/EU	
	• EN 61000-6-4:2007 + EN61000-6-4:2007/A1:2011 Electromagnetic compatibility (EMC) -- Part 6-4: Generic standards - Emission standard for industrial environments	
	• EN 61000-6-2:2005 + EN 61000-6-2:2005/AC:2005 Electromagnetic compatibility (EMC) -- Part 6-2: Generic standards - Immunity for industrial environments	

MODERN, RUGGED AND USER FRIENDLY PROGRAMMING

- Industrial rate design
- Rapid data entry
- Easy to read, high-contrast graphic OLED display
- Rugged, antivandalic stainless steel keyboard



REMOTE CONTROL UNIT (RCU)



- Separate control unit available

QUALITY CONTROL SAMPLES

CEIA offers samples for quality assurance testing certified



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