



**DRIVING POWER QUALITY**  
**ISO 9001:2008 Certification**

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## FOR IMMEDIATE RELEASE

### **MTE Corporation announces the release of the Matrix PureSine® Active Harmonic Filter.**

May 20, 2011 - Menomonee Falls, WI (May 20, 2011) – [MTE Corporation](#), a Menomonee Falls based subsidiary of [SL Industries, Inc.](#) (AMEX:SLI), is pleased to announce the release of the Matrix PureSine Active Harmonic Filter. The PureSine is a powerful filtering solution for coordinated variable load power factor correction (PFC) and harmonic mitigation. Features include:

- Modular design, easy to extend
- Up to 51st harmonic
- Up to 12 harmonic orders selected individually
- Programmable leading or lagging power factor correction
- Full-time DSP Control system
- Easy selection
- Shunt connection, easy for maintenance
- Flexible Up-grading/Redundancy
- Parallel operated for greater capacity
- User-friendly LCD control panel

The PureSine comes standard in a wall mount configuration and supports 480V. The LCD display provides both English and Spanish text. The fully modular system allows the user to “right” size a system for current need, while still having the option to increase capacity as current load increases. PureSine can supply a maximum of 960A correcting current. All PureSine modules are UL / cUL.

“MTE Corporation is very excited about the Matrix PureSine. We are constantly looking for ways to better serve our customers by providing a greater range of solutions, while solidifying our position as the harmonic mitigation market leader. We believe the Matrix PureSine is a critical link in meeting that goal.” said Don Klein, President of MTE Corporation.

The MTE Matrix PureSine helps to keep your equipment running longer by reducing the voltage drop and the temperature rise on transformers and cables that result from harmonics. The PureSine is a potent filtering solution; check out more details on our website: <http://www.mtecorp.com>

#### **About MTE Corporation**

We are an international supplier of power quality products designed to improve the reliability of power electronic systems and adjustable frequency drives. MTE manufactures line/load reactors, Matrix™ Harmonic Filters, EMI/RFI filters, DC link chokes, dv/dt and sine wave motor protection filters, plus numerous custom magnetic products that provide power quality solutions in a broad range of applications. With a global distribution network consisting of over 400 stocking distributors we are able to provide local support for your power quality needs. Please visit the company’s website at <http://www.mtecorp.com>

#### **About SL Industries, Inc.**

SL Industries, Inc., MTE’s parent company, designs, manufactures and markets power electronics, power motion and power protection equipment that is used in a variety of aerospace, computer, datacom, industrial, medical, telecom, transportation and utility equipment applications. For more information about SL Industries, Inc. and its products, please visit the company’s web site at <http://www.slindustries.com/>.

#### **MTE Corporation – Driving Power Quality™**

For more information, contact MTE Corporation, N83W13330 Leon Road, Menomonee Falls, WI 53051, (262) 253-8200, Fax (262) 253-8222, [www.mtecorp.com](http://www.mtecorp.com)

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# IMPROVE YOUR POWER QUALITY & ENERGY EFFICIENCY

MATRIX PURESINE® ACTIVE HARMONIC FILTERS FROM MTE ARE POWERFUL FILTERING SOLUTIONS FOR COORDINATED VARIABLE LOAD POWER FACTOR CORRECTION (PFC), PHASE IMBALANCE CORRECTION, AND HARMONIC MITIGATION.



480V 120A X 8 = 960A



## NO SITE SURVEY REQUIRED.

## EXTREME FLEXIBILITY. ELECTRONIC RELIABILITY.

These are modular, wall mount units that are easy to extend. As you grow and need to add capacity they can grow so you don't have to buy a whole new system. Shunt connection allows for easy maintenance and no disruption of circuit.

Each Control and DC Equalizer Module can manage four Power Modules. Capacity is 480V 35A, 60A, 90A, 120A. Up to eight Control Modules can work in parallel resulting in a Maximum 480V 960A Rating.

You can use the output of readily available Facilities Diagnostics Software with our Sizing Software to help you easily select the number of components needed to handle your system.

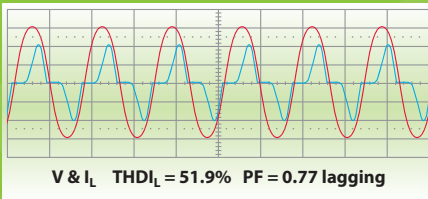
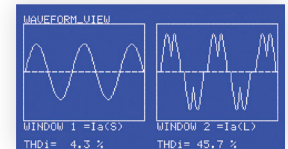
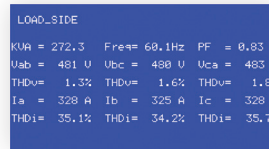
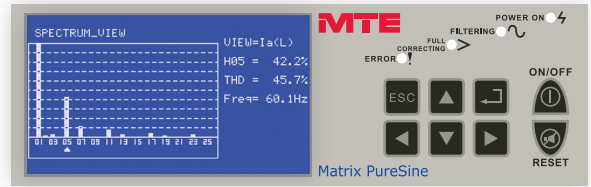
Featuring advanced Digital Signal Processor (DSP) Technology, these Active Filters are programmable in both English and Spanish.

To analyze harmonic current they employ Fourier Transform (FT), and are capable of scope view of waveforms.

Using PureSine Active Harmonic Filters you can realize less than 5% Total Demand Distortion (TDD) while compensating up to the 51st Harmonic and managing up to 12 different Harmonic Signatures simultaneously. Additional advantages include:

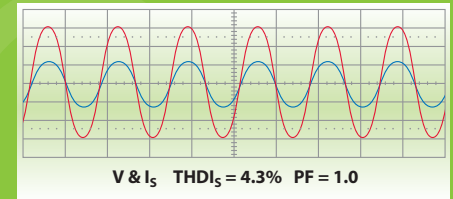
- Eliminating Harmonic Current Down to 5%
- Correcting for Leading or Lagging Power Factor
- Reducing Voltage Waveform Distortion
- Reducing Voltage Drops on Transformers & Cables caused by Harmonics
- Reducing Temperature Rise on Transformers & Cables caused by Harmonics

## USER-FRIENDLY GRAPHICAL INTERFACE



BEFORE COMPENSATION

# GET FINE NOT FINED!



AFTER COMPENSATION

PureSine Active Harmonic Filters can ward off punitive utility fines with PFC approaching or attaining Unity (1).

## SPECIFICATIONS

Operating Temperature	0 to 40°C
Input Voltage	480VAC
Input Frequency	60Hz
Phases/Wires	3 phase/3 wire
Harmonic Correction	2nd to 51st order
Power Factor Correction	0.7 lagging to 0.7 leading
CTs	3 required per system
Response Time	<20 msec
Power Modules per Control Module	4
Control Modules per System	8
Correcting Current 480VAC	35 to 960A
User Interface	LCD
Dry Contacts	5 out, 1 in, 1 EPO
Standard Communication	RS232/USB
Optional Communication	RS485/RS422 or Ethernet
Programmable	User Interface or Communication Software
Max Heat - per Power Module	650W
Max Heat - per Control Module	50W
Form Factor	Wall mount
Agency	EN60146, UL 508, cUL

## TYPICAL APPLICATIONS

- Water & Wastewater Treatment
- Utilities Industry
- Oil & Gas
- Steel, Chemical & Automotive Industries
- Printing, Pulp & Paper Industry
- Office, Building & Data Centers
- Motor Control Centers
- Elevators and HVAC System

*Now you have the power to conquer problems caused by harmonics and reactive power demand —all with fantastic form and modularity.*

Our representative in your area is



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Menomonee Falls, WI 53051

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MTE Corporation an SL Industries Company

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