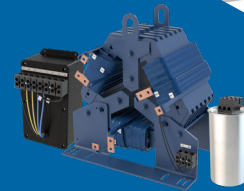
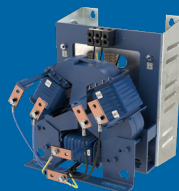
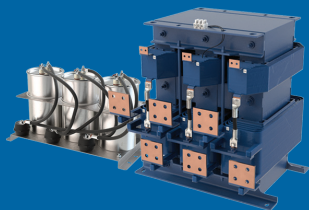
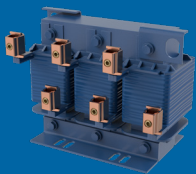




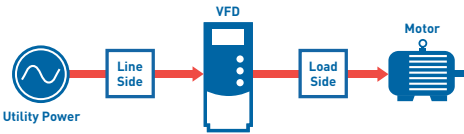
# Power Quality Solutions

**MTE is the power quality partner of choice for hundreds of leading companies.**

- Solutions designed for your needs
- Reliable performance you can count on
- Partnership founded on trust & integrity



**REACTORS // HARMONIC FILTERS // dV/dt FILTERS // SINEWAVE FILTERS**



## Reactors | Line or Load Side

### Reduce harmonic levels by over 50%

- Extend equipment life
- Minimize downtime risk
- Maintain a cleaner power supply
- Enhance equipment reliability
- Save energy
- Reduce costs

### Protect Against:



**Surge Currents**



**Power Line Disturbances**



**Voltage Distortions**



**Nuisance VFD Tripping**

### RL Reactors



- Best-in-class line/load reactors
- Most robust, highest continuous service factor
- Low watts loss
- Unmatched performance and durability

### RLW Reactors



- Proven performance in the field
- Reliable and economical
- Compact and light-weight
- Ideal for OEM's, integrators and panel builders

### WHEN TO CHOOSE:



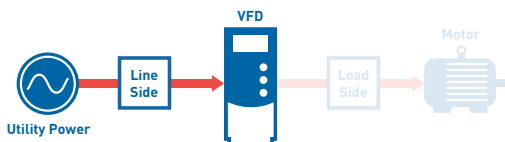
**Critical VFD Usage**



**Reliable Performance**



**Economical Solutions**



## Harmonic Filters | Line Side

### The best THID reduction solution on the market!

- Patented Adaptive Passive Technology
- Enhance productivity
- Optimize system efficiency
- Extends service life of electrical equipment

### Protect Against:



**Overheated Components**

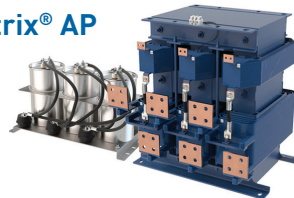


**Circuit Breaker Tripping**



**Equipment Malfunction**

### Matrix® AP



- Adapts to varying power loads
- Best performance in the industry
- Generator Friendly
- Performance guarantee

### Matrix® E-Series



- Meets essential harmonic distortion requirements
- Flexible, compact design
- Easy to integrate and install

### Matrix® One



- Single-phase solution
- Reduces system downtime
- Easy to install and maintain
- Increases energy efficiency

### WHEN TO CHOOSE:



**IEEE-519 Compliance**

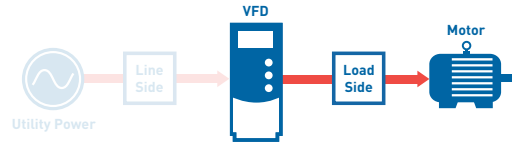


**Sensitive Equipment**



**Energy Efficiency**

## dV/dt Filters | Load Side



### Protect your motors from VFD-induced damage

While VFDs enable precise motor control and energy savings, they also introduce power distortions that lead to premature motor failures, ground fault trips, and erratic behavior. MTE's motor protection filters effectively mitigate — and often eliminate these issues. Delivering reliable protection even in the most extreme environments, from 50 ft to 15,000 ft.

### Compact, optimized design

- 60% more efficient than other dV/dt filters on the market
- Convenient setup & handling

### Protect Against:



**Reflective Waves**

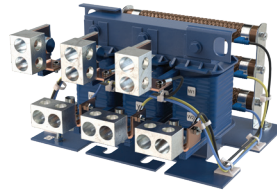


**Fast Rise Times**



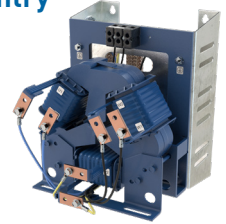
**Peak Voltage Production**

### dV E-Series



- Triple protection: Reflective wave mitigation, rise time reduction, and peak voltage production
- Efficient: Low watts (heat loss)
- Size-optimized design: Lightweight and compact form factor
- Ease of installation: Footprint and mounting compatible with competitive options
- Silent operation: Quiet as a conversation

### dV Sentry®



- True common mode reduction, peak voltage protection, and rise time reduction
- World leading motor protection technology in the market
- Low watts loss
- Small, advanced, robust design, easily installed
- Quiet as a conversation

### WHEN TO CHOOSE:



**Cost Conscious Operations**

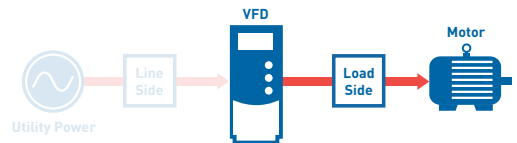


**Voltage Spike Protection**



**Short to Medium Cable Runs**

## Sinewave Filters | Load Side Solution



### Easy to integrate, install & service

- Highest ambient temperature rating on the market
- Extends motor life
- Reduces downtime
- Modular design for easy integration

### Protect Against:



**High Switching Frequency**



**Voltage Peaks**



**Motor and Cable Heating**

### SineWave Guardian®



- Increases motor life
- Easy to integrate, install and service
- Operates in high ambient temperatures
- High performance and reliability

**Note: Available in multiple variants optimized for use with high frequency motors.**

### WHEN TO CHOOSE:



**Remote Locations**



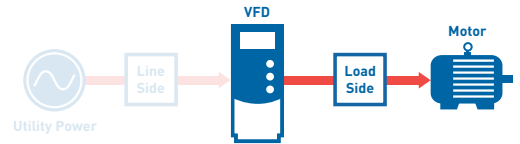
**High Switching Frequency**



**Long Cable Runs**



# Sinewave Filters | Load Side Solution



## Nexus® Family

The only filter on the market to provide complete protection from both common mode and differential mode VFD-induced issues.

### Effectively mitigates all common-mode issues!

- Longer run times
- More efficient operations
- Eliminates need for: shaft grounding rings, VFD cable
- 5-year motor bearing warranty

### Protect Against:



**Motor Bearing Failure**



**Cable Heating**

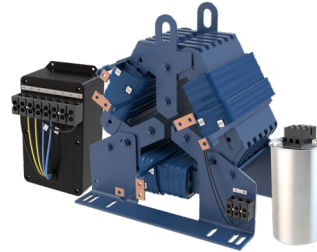


**Motor Noise & Heating**



**VFD Faults**

### SineWave Nexus®



- Increases motor life by eliminating failures caused by bearing currents
- Reduces motor noise and heating
- Reduces cable heating
- Allows for multiple cables in the same conduit
- 5-year motor bearing warranty

### microNexus®



- microNexus® offers the same protection plus:**
- Compact, space-saving design
  - Provisions for mounting VFD to the front of filter to save panel space and wiring
  - No need for additional cable trays in the cabinet

## WHEN TO CHOOSE:



**Time Sensitive Industries**



**Frequent Motor Failure**



**Limited Panel Space**

## Find the Right Solution For your System

### Quick-Find Product Selector

Tell us about your project requirements and we will provide the best fitting product(s) for your needs.

#### How can we help you?

Help Me Find My Product(s)

I Know What Product(s) I'm Looking For

or

I Know My Exact Product

Enter Part Number\*

GET RESULTS

### Try Quick-Find NOW!

Scan the QR code to use our product selector tool to find the MTE model that best fits your application. Download the drawings and full product details so you can easily spec it into your system!



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