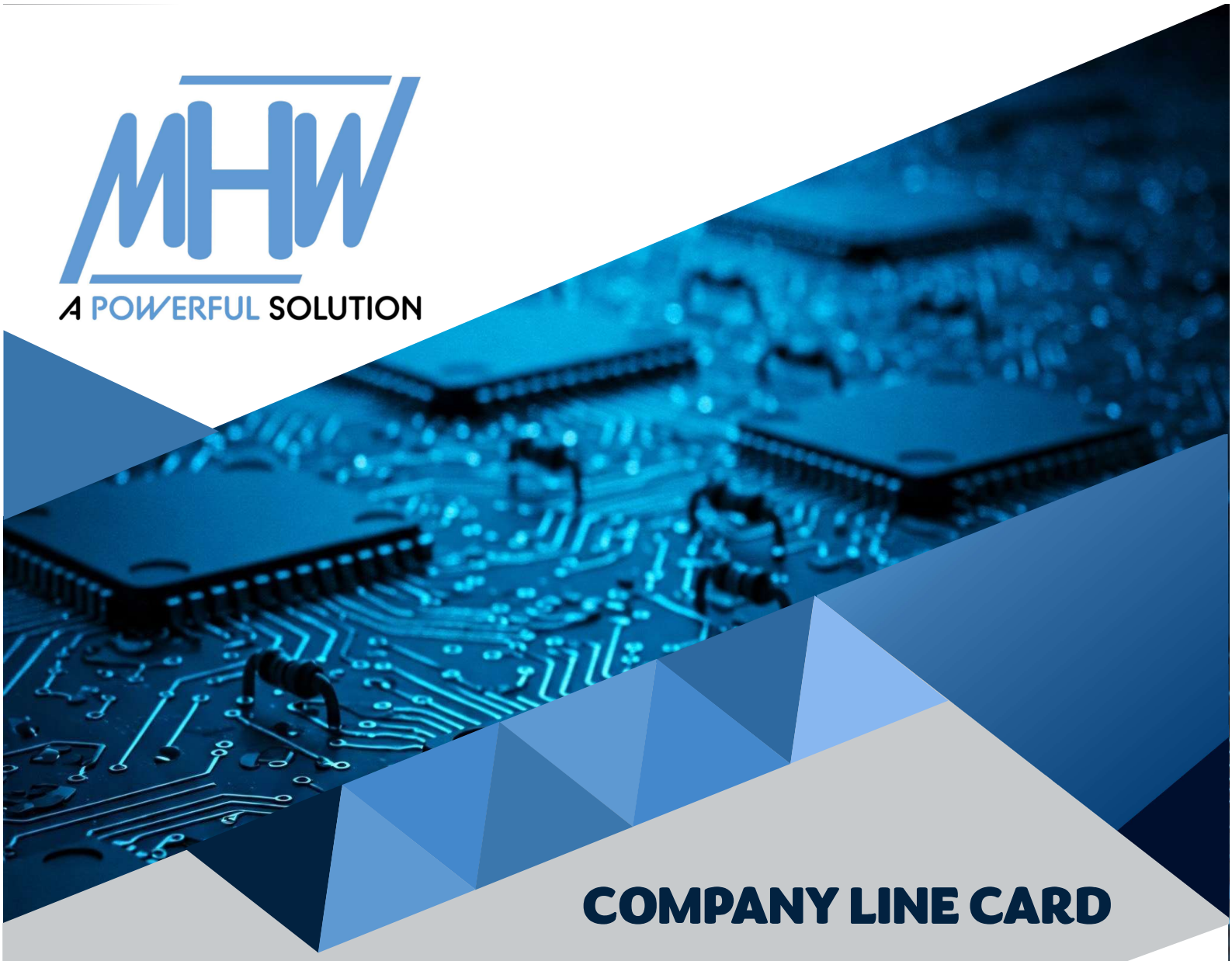
A POWERFUL SOLUTION



# COMPANY LINE CARD

ENGINEERING SUPPORT

CONCEPT TO PRODUCTION

STOCKING PACKAGING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*Rev 6-25*

# MH&W INTERNATIONAL CORP.

## CORES AND COMPONENTS LINE CARD

### FERRITE CORES

**TDK-EPCOS** is the most technically advanced, most widely known ferrite manufacturer in the world. They offer power materials up 4MHz: PC47/PC90/PC95/PC200 (4MHz) and EPCOS N97/N92/N95/PC200 (4MHZ) along with high permeability materials up to 15K permeability: TDK H5C3/EPCOS T46.

**ACME** is one of the largest ferrite core producers in the world. They offer standard power and high permeability materials along with High Bs materials: P42, P49 and Lower Loss materials: P4, P41, P44, P48.

**Cosmo** pioneered manufacturing and export of Mn-Zn soft ferrites from India. Cosmo offers comparable power and high permeability materials in industry standard shapes and specialize in large ferrite sizes. No China tariffs!

### POWDER CORES

**Chang Sung (CSC)** is the world's largest producer of powder cores. Including Sendust, MegaFlux, HighFlux, High Flux Titanium, and MPP.

Cores shapes: **Toroid's**, EE/ER/EER, EQ, Block/Ellipse.

### NANOCRYSTALLINE

**Magnetec** is the premier producer of nanocrystalline cores in the world. Cores for common mode choke, EMI filter, current transformer, motor bearing protection, smart grid metering, and overvoltage noise protection.

### AMORPHOUS, NICKEL IRON, CUSTOM NANOCRYSTALLINE

**MH&W** has partnered with leading OEM suppliers of amorphous cores, 80% nickel iron alloy cores, and standard and custom nanocrystalline cores. The core configurations include toroid's, gapped toroid's, cut cores, and specialty stamping. CC Amorphous Cut Cores, DC Current Immunity Composite Cores, Amorphous Choke Cores, Perm-Alloy Cores, Amorphous Choke Cores with Air Gap, Custom Nanocrystalline.

### BOBBINS AND ACCESSORIES

**Pin Shine**, **Mingxing**, **Norwe**, **Taiwan Shulin**, and more. Thermoplastic bobbins from Asia and Germany. Thermoset bobbins from Germany. Stainless steel accessories from Asia and Germany. Short lead time!

### DIODES AND RECTIFIERS

**Diotec**, German manufacture of diodes and regulators, is a step ahead of the competition with smaller size, less weight, and more power. Don't waste valuable board space! Integrate more by combining more functions into one package.

***SHOP ONLINE AT DIRECT.MHW-INTL.COM***

# MH&W INTERNATIONAL CORP.

## THERMAL INTERFACE LINE CARD

### THERMAL INTERFACE MATERIAL (TIM)

**Keratherm®** are highly flexible products that are comprised of thermally conductive and electrically insulating polymers, either single or multicomponent filled with ceramic or heat conducting materials

- *Gap Fillers to 6.0 W/mK*
- *Silicone films to 8.0 W/mK*
- *Silicone free films to 6.0 W/mK*
- *Greases silicone and silicone free to 10.0 W/mK*
- *Double sided thermal tape*
- *Graphite films (XY plane) to 7.5 and >300 W/mK*
- *Thermally Conductive Injection Molding Granulate*

***All available in die cut pads***

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**Chang Sung's** thermal interface materials (TIM) are heat radiating with high thermal conductivity and provide effective solutions to internal heating issues observed in various electronic devices.

- *Silicone gap fillers to 5.5 W/mK*
- *Super Soft gap fillers to 3.0 W/mK*
- *Ultra Soft gap fillers to 3.0 W/mK*
- *Silicone films to 3.0 W/mK*
- *EMI Suppressor films 500 MHz to 6 GHz*

***All available in die cut pads***

### CUSTOM GASKETS & SEALS

**MH&W** offers Connector Gaskets, Waveguide Gaskets, Extrusions, Molded Products, O-Rings, EMI Shielding, Shock & Vibration mounts.

- *Available in a variety of material thicknesses and durometers.*
- *Custom Die and Water Jet Cutting!*

# MH&W INTERNATIONAL CORP.

## FILTER SOLUTIONS LINE CARD

### CoolBLUE® & NaLA®

Protect your industrial motors from VFD-induced high-frequency issues like overheating, bearing damage, and EMI with Magnetec's CoolBLUE® Common Mode Chokes and NaLa® Differential Mode Chokes. This integrated solution effectively reduces these harmful currents and suppresses EMI, ensuring greater system reliability and component protection.

### CoolBLUE® and Nanotech Kits

Protect your VFD-driven motors with CoolBlue® Kits, a user-friendly solution featuring the correct configuration of Magnetec's CoolBlue® and NaLa® chokes for long-term reliability. Includes temperature dots for current saturation indication and an MH&W protection sticker.

### Nanotech Shield

Introducing the MH&W Nanotech Shield: a comprehensive solution featuring a Radiated Emissions Choke, Common Mode Chokes, and Differential Mode Chokes for complete system protection against a wide range of damaging current frequencies. This integrated design safeguards your system's longevity and performance.

### CoolTUBE® Radiated Emissions Chokes

Magnetec CoolTube® effectively absorbs high-frequency interference, including the absorption of radiated emissions from VFDs, ensuring compliance with stringent EMC standards. Its flexible, user-friendly design allows for easy retrofitting and customization across various motor line lengths, providing versatile and efficient electromagnetic compatibility management.

### EPA Filters

MH&W, the North American distributor for EPA GmbH, a European leader in EMC products, delivers standard and custom EMC solutions that go beyond standard requirements. Our solutions enhance the integrity and reliability of electrical systems, ensuring optimal performance in any application.

**PROTECT YOUR MOTOR FROM EDM PROBLEMS!**

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