



# MH&W INTERNATIONAL CORP. MAGNETICS DIVISION

## LINE CARD



### Ferrite Cores

**TDK** and **TDK-EPCOS** the most technically advanced ferrite manufacturers in the world.



PC47/PC90/PC95(Power),  
N97/N92/N95(Power),  
HF90/T35(CMC)



**ACME** One of the three largest ferrite cores producer in the world.

High Bs materials: P42, P49  
Lower Losses materials: P4, P41, P44, P48;  
High Switching Frequency materials: P5, P51, P52, P6, P61 (6MHz);  
Wide Temperature PV stability materials: P46, P47, P45, P47L  
Shapes: Toroid, EE, ER, EFD, PQ, UI, U, POT, Planar cores, Blocks, |  
Tailored shapes, Customized cores (Gapping, lapping, sorting, etc)



**Cosmo** pioneered manufacturing and export of Mn-Zn soft ferrites from India. They offer a broad spectrum of low loss and high permeability material in the common shapes.



**Suzhou Guanda** supplies materials GP4, GP44, GP95 through high-perm series GH5, GH7, GH10, GH12 and GH15.



**TDG** the largest manufacturer of ferrites in the world.  
TP4D/TP4F/TP5B(Power), TBP22/TPW33(Power)

### Powder Cores

**Chang Sung (CSC)** The world's largest producer of powder cores. Including Sendust, MegaFlux, HighFlux and MPP.  
Core Shapes: Toroids, EE/ER/EER, EQ, Block/Ellipse



### Nanocrystalline/Amorphous Cores

**Magnetec** Premier producer of Nanocrystalline Cores in the world. Cores for Common Mode Choke, EMI Filter, Current Transformer, Motor Bearing Protection, Smart Grid Metering, Overvoltage noise protection.



### Bobbins & Accessories



**Win Shine, Norwe, Pin Shine and Taiwan Shulin**

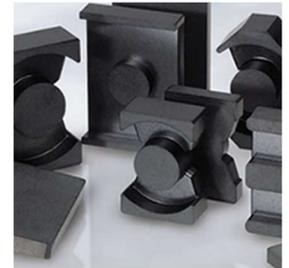
Thermoplastic Bobbins from China and Germany.  
Thermoset Bobbins from Germany.  
Stainless Steel accessories from Asia and Germany.



### Amorphous, Nickel Iron, and Custom Nanocrystalline Cores

MH&W has partnered with a leading OEM supplier of Amorphous Cores, 80% Nickel Iron Alloy Cores, and custom Nanocrystalline Cores. The core configurations include toroids, gapped toroid's, cut cores, and specialty stampings.

CC Amorphous Cut Cores  
Amorphous Choke Cores  
Amorphous Choke Cores with Air Gap  
DC Current Immunity Composite Cores  
Perm-Alloy Cores  
Custom Nanocrystalline Cores



### DROP SHIPPING!

MH&W can drop ship most parts direct to almost any location in the world.

- ✓ shorter delivery times
- ✓ lower cost per unit
- ✓ no 'detour' via the USA



### B2B ECOMMERCE

### MH&W **DIRECT**

<http://direct.mhw-intl.com>

- Ecommerce website
- Order samples and small quantities direct online
- Build customized quote requests
- Browse product catalogs and documentation

[www.mhw-intl.com](http://www.mhw-intl.com)

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# MH&W INTERNATIONAL CORP. THERMAL DIVISION

## LINE CARD

### Keratherm

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 to 7.5 and 450.0 W/mK



All available in die cut pads

### Chang Sung (CSC)

Low Silicone gap fillers to 5.0 W/mK  
New Super Soft gap fillers to 3.0 W/mK  
Hybrid Silicone film/gap filler to 3.0 W/mK  
New Ultra Soft gap fillers to 3.0 W/mK  
EMI Suppressor films 500 MHz to 6 GHz



All available in die cut pads



### Btech Corp.

High performance thermoplastic bonding film  
utilizing graphite fiber rated at 750.0 W/mK  
on the z-axis  
Excellent for high performance applications.

### MH&W

Custom Phase Change Material  
DAPCM series  
Thermal Consulting



### THERMAL CONSULTING!

MH&W can help you solve your thermal problems.

- ✓ Thermal prediction of performance
- ✓ Prototyping – heat sinks
- ✓ Thermal solutions
- ✓ Custom phase change materials



### CUSTOM DIE and Water Jet CUTTING!

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