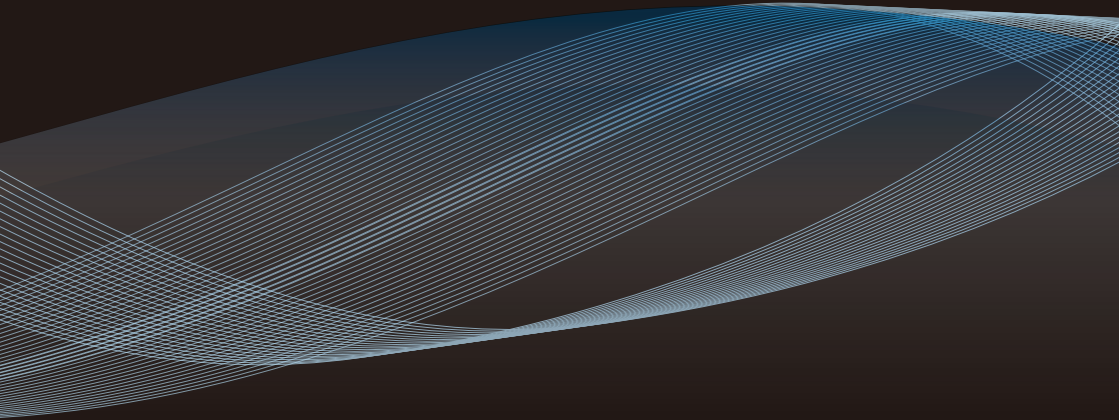




# ***Hyper Sound Solution***

Audio Accessories

*We are able to provide you with OEM versions of our magnesium applied products, including cables, speaker stands, insulators, and racks. Please contact us for details.*



# Tiglon continuously develops audio equipment, using new ideas, advanced technologies and new materials.

Able to satisfy customer needs on a real time basis, Tiglon continues to support media production sites, such as famous recording studios. Tiglon regularly receives industry praise, and the trust of its users, due to Tiglon's unique technologies, creativity, and flexible production system. Tiglon will continue to contribute to audio's evolution by creating unprecedented products with excellent value.



## ◆ Magnesium has special characteristics:

Magnesium excels at vibration damping, electromagnetic shielding and the rejection of radio frequency interference.

## ◆ Magnesium Shielding: [Patent No. 4282759]

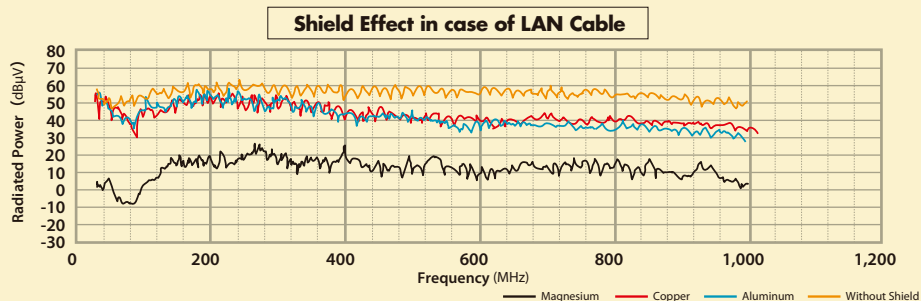
Tiglon pioneered the use of magnesium foil in audio cables, in the form of a special magnesium tape. Magnesium tape forms a shield by overlapped spiral wrapping of the cable, from the input jack of the cable, to output end. The magnesium shield is electrically isolated (floated) at the input of the cable, and is electrically grounded at the output of the cable. This absorbs EMI and RFI, shunting it to ground at the ground connection of the next component. Because of its excellent mechanical properties, it is able to damp mechanical resonance, while acting as an electrostatic shield for the cable.

## ◆ Effects of Magnesium Shielding

- \* Blocks external noise to the utmost limit
- \* Effectively blocks electromagnetic waves (EMI).
- \* Effectively blocks radio frequency waves (RFI)
- \* Effectively damps mechanical vibration (microphonics).
- \* Effectively moderates temperature fluctuation inside the cable due to excellent heat divergence characteristics.
- \* Unlike aluminum or copper, magnesium is non-resonant, with no metallic ringing associated with other metals.

## Objective Data:

Japan Electric Cable Technology Center (JECTEC) presents test results as shown below.



## **Innovative Technology that Generates New Value for the World**

- TiGLON developed the world's first magnesium speaker stand MGT-60S in 2005.
- Developed the world's first magnesium shield in 2008
- Developed the world's first magnesium audio racks in 2010.
- On a daily basis, TiGLON embraces the creed "to create the first products in the world", an attitude that leads to the next technological advancement.

The core technology that generates Tiglon's epoch-making products is the special application of magnesium, and the patented "Magnesium Shield" technology was developed in thorough pursuit of magnesium's potential. By winding magnesium foil in spirals around the periphery of an electric cable, Tiglon's Magnesium Shielding technology promotes the faithful transmission of signals by dramatically reducing the effect of Electromagnetic Interference (EMI) and Radio Frequency Interference (RFI). Continuing into the future, Tiglon will continue to introduce new products that meet customers' needs. By combining various improvements in peripheral technology and newly discovered techniques, with Tiglon's magnesium shielding technology as the core, Tiglon will stay at the fore of audio's vanguard.



## **Global Patent Acquired**

### **Magnesium Shielded Cable**

PCT/JP2010/000422

in Japan, USA, China, and Korea

## **Our Patent No. 4282759 Magnesium Shield**

For the purpose of high accuracy transfer of electrical signals, Tiglon focused its attention on the performance of Magnesium, and its ability to attenuate and absorb RFI and EMI, as well as heat divergence. Using magnesium to form a shielding layer, Tiglon succeeded in attenuating and eliminating the influences of external noise, and an ideal cable was worked out.

The globally patented "Magnesium Shield" technology realizes high signal-to-noise ratio, and high fidelity signal transmission, as it attenuates and eliminates the external sources of noise. We invite you into the world of high resolution sound, where you can discern every subtle nuance of a performance. Tiglon allows the listener to be transported into the music, like never before.



RCA Interconnect

## MGL-R 10

- Pair of 1m or each extra fraction of 0.5m



XLR Interconnect

## MGL-X 10

- Pair of 1m or each extra fraction of 0.5m
- Awarded : MJ Technology of The Year 2013 by the MJ Magazine



## Highest grade line level cables from TiGLON

The newly developed 3rd generation of magnesium shield structure is employed to pursue transparency that is the essence of magnesium shielding. Every conductor is made of Hitachi HIFC<sup>®</sup> in order to reproduce high speed and supple tone color. This new cable produces an ideal sound that TiGLON has long pursued

|                   |                     |                                    |
|-------------------|---------------------|------------------------------------|
| <b>Structure:</b> | <b>Conductor</b>    | HIFC 0.05mm × 73 × 7 twisted rope  |
|                   | <b>Sheath</b>       | Special flame resistant PVC        |
|                   | <b>Shield</b>       | braided copper                     |
|                   | <b>Sheath</b>       | Special flame resistant PVC        |
|                   | <b>Shield</b>       | 3rd generation magnesium shield    |
|                   | <b>Outer Sheath</b> | Special flame resistant PVC (Gold) |

**Note:** HIFC is the registered trademark of Hitachi Metals.



## RCA Interconnect

### **MS-12R**

- 1M pair, with additional lengths available in .5M increments

TiGLON's long-term, highest-value, standard line cable. The effects of magnesium shielding are clearly audible, and the transmission of minute signals are accomplished by using twisted micro-fine annealed copper wires for the conductor. The MGL-R10 line cable is based on this MS-12R, and features a clear and straightforward expression of the power of sound.



- Awarded : Visual Grand Prix (VGP) 2011  
Audio Excellence Award 2010

|                             |   |
|-----------------------------|---|
| <b>Structure: Conductor</b> | micro-fine annealed copper wire 0.08mm × 57b × 7 twisted rope |
| <b>Sheath</b>               | polypropylene   |
| <b>Shield</b>               | braided copper  |
| <b>Sheath</b>               | special PVC   |
| <b>Shield</b>               | magnesium alloy   |
| <b>Outer Sheath</b>         | special PVC   |



## Magnesium Plug

### Magnesium RCA Plug

### **MGP-RH4**



|                       |                        |
|-----------------------|------------------------|
| <b>Center Pin</b>     | brass + rhodium plated |
| <b>Outer Barrel</b>   | magnesium alloy        |
| <b>Termination</b>    | by screws              |
| <b>Cable Diameter</b> | 9mm                    |
| <b>Size</b>           | 50.5mm L × 13.6mm dia  |

- Awarded : AA Award 2011, and VGP 2011



- Awarded : Visual Grand Prix (VGP) 2013  
Audio Excellence Award 2013 (Gold)  
MG Technology of The Year 2012.

## Power Cable **MGL-A1**

- 1.2m, 1.8m and each extra fraction of 0.6m

Highest grade of power cable, made with the newest technologies such as the next generation power line use of 100M Magnesium Shield, and the power line use of Pure Magnesium Filter (PFM). Strictly selected 0.18mm micro-fine OFC conductors are shielded with 3 layers; dexterously wound copper, sinistrorsely wound copper, and magnesium. Making use of magnesium's characteristics to the utmost limit, it is now possible to express the most ideal soundstage presence.



- Awarded : VGP 2010 Gold Prize, and AEx Prize 2010.

## Power Cable **MS-12A**

- 1.2m, 1.8m and each extra fraction of 0.6m

This cable is regarded as the entry level product that best exemplifies magnesium shielding's effect. In pursuit of conductivity and safety, which are considered essentials to power cable design, the supply of clean power is made possible by winding the specially processed magnesium shield on the outer periphery. The power plug is hospital grade from Meikosha, Japan, and IEC plug by Schurter, Switzerland. The low coloration and noise of the MS-12A makes it an ideal partner for all audio equipment.



### Digital Interconnect **MGL-D1**

- 0.7m, 1.0m, 1.3m
- Awarded : AA Award 2012, and VGP 2013



### BNC Digital Interconnect **MGL-DB1**

- 0.7m, 1.0m, 1.3m
- Awarded : AA Award 2012

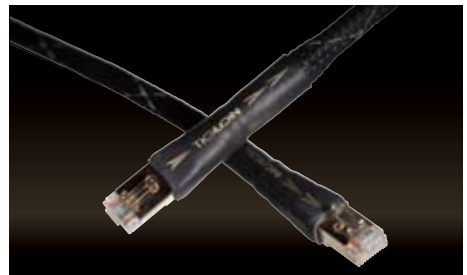
These two models are our reference cables developed to enable high fidelity digital transmission. The conductor is 5N pure silver single wire, being excellent for digital transmission. Three shielding layers, comprised of copper foil, silver plated copper, and magnesium foil, are employed to prevent influences by electromagnetic interference and vibration. The outermost magnesium shield is manually processed by our chief engineer, piece by piece, for high precision signal transmission.

|                             |   |
|-----------------------------|---|
| <b>Structure: Conductor</b> | 1.05mm 5N (99.9995%) pure silver single wire        |
| <b>Insulator</b>            | Teflon polyethylene + UV cut polyurethane           |
| <b>Shield</b>               | Copper foil → silver plated copper → magnesium foil |
| <b>Impedance</b>            | 75Ω   |

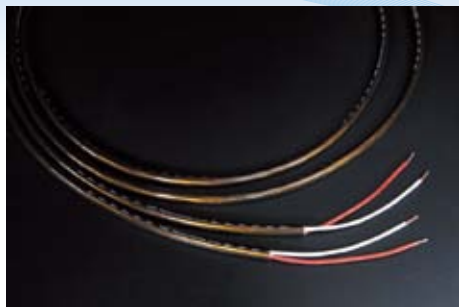
### LAN Cable **MGL-L1**

- 0.6m, 1m, 2m, 3m, 5m
- Awarded : VGP 2013

When the patented shielding technology was being developed, this special LAN cable was developed to measure EMI shielding characteristics with high accuracy. In order to prevent interference of subtle external noise, the outermost magnesium shield is manually processed by our chief engineer, piece by piece, making it possible to transmit signals with high accuracy.







金賞

- Awarded : VGP 2013, and AA Award 2013(Gold)

### Speaker Cable

## MGL-SP1

- 1.5m, 2.5m, 3.5m and each extra fraction of 0.5m
- Conductor Diameter: 2.0 mm<sup>2</sup>, Cable diameter: 8.5mm

This high value, high grade speaker cable is based on Tiglon's model MS-12SP, but with improved resolution, signal-to-noise ratio, and information capacity. It employs the next generation of magnesium 100M for the shield layer. The sheath materials have also been changed to heat-resistant special PVC, from regular the type, in order to pursue high sound quality. Ready with tinned ends (without terminals) for immediate use.



- Awarded : MJ Technology of The Year 2012

### Speaker Cable

## LIONESSES-SP

- Conductor Diameter 0.5mm<sup>2</sup>, Cable diameter 6.3mm

High cost, high performance speaker cable. LIONESSES was developed with the patented "Magnesium Shield" technology. It was first introduced internationally at the Munich High-End Show 2012. Its name comes from the anagrammatized "noise-less", representing the characteristics of this cable, being able to shut out noise, and to faithfully transmit the original audio signal.

The conductor is micro-fine OFC, with high heat-resistant insulator. This is an all purpose, mighty cable, not only for home audio, but car stereo, home theater, recording studio, and other applications having extreme installation circumstances.





- Awarded : AA Award 2012, and VGP 2013

#### Speaker Cable

### **MS-12SP II** (cut to length)

Conductor Diameter 2.0mm<sup>2</sup>, Cable Diameter 8.5mm

New model MS-12SP Mark II is based on the design of the successful MS-12P speaker cable, with two magnesium shields conductors of micro-fine annealed copper stranded wires, being further improved in resolution and signal-to-noise characteristics with next generation type 100M magnesium shield. The outer sheath is ultra-soft PVC to reproduce an expansive and airy soundstage, with all the minutia of the original recording.



- Awarded : AA Award 2012, and VGP 2013

#### Speaker Cable

*Made To Order*

### **TCS-2.55/W II**

Cable length 2.5m single pair, or 2.5m bi-wire pair, and each extra fraction of +/-0.5m

Approximately 400 wires each of 0.8mm micro-fine annealed copper are stranded, and the strand is further twisted to form an 800 wire conductor structure. Then it is processed by Tiglon's patented "magnesium shield" technology. Its most prominent feature is that each positive and negative signal cable is spirally wound with magnesium shield, to enhance resolution and sound-to-noise characteristics.

Terminated with FURUTECH rhodium plated spades or banana plugs. The TCS series is our flagship magnesium speaker cable, made to your specification.

## *MGT Series*

### **The power of magnesium gives full play to a small size speaker system.**

The speaker stand is made of special pure magnesium alloy pipe, mixed with manganese for increased strength, with surface ribs to prevent standing wave. Internally filled with ultra-fine sand. Tops and base plates are solid alloy of aluminum and steel, to mutually cancel resonances with the magnesium alloy stand, and further control the tone by using differing materials that cancel each other sonically.



Speaker Stand

***MGT-50S/60S/70S***

**Top plate:** 160mmW × 210mmD

**Base plate:** 220mmW × 270mmD

**Height:** 500mm (50S), 600mm (60S), 700mm (70S)



Speaker Stand

***MGT-50W/60W/70W***



**Top plate:** 160mmW × 210mmD

**Base plate:** 220mmW × 270mmD

**Height:** 500mm (50W), 600mm (60W), 700mm (70W)



### Speaker Stand

## ***MGT-805W***



Rounded top plates just fits B&W speaker system 805 Series.

**Top plate:** 226mmW × 304mmD

**Base plate:** 238mmW × 317mmD

**Height:** 600mm



### Speaker Stand

## ***MGT-3/5a***



Designed for Tiglon popular speaker system LS3/5a. Based on the MGT series design, the volume of ultra-fine sand is adjusted for LS3/5a. The total height is selectable by the user: 500, 600, 750, 700, or 750mm.

**Top plate:** 185mmW × 162mmD

**Base plate:** 220mmW × 270mmD

**Height:** 500 ~ 750mm

**Weight** 8.6 ~ 10kg

## *TIS Series*

**Despite the slim profile, which is ideal for good sound, marvelous strength and vibration absorption have been realized.**

By adopting the world's first complex dual-cylinder shaped stand, amazing strength and vibration absorption have been achieved in spite of the stand's slim shape (the ideal profile for best sound). Further, the stand is filled with ultra-fine sand in order to remove sympathetic vibration for ideal imaging



Speaker Stand

### ***TIS-60/70***

**Top plate:** 130mmW × 180mmD

**Base plate:** 220mmW × 270mmD

**Height:** 600mm (TIS-60), 700mm (TIS-70)



Speaker Stand

### ***TIS-60J/70J***



**Top plate:** 190mmW × 240mmD

**Base plate:** 220mmW × 270mmD

**Height:** 600mm (TIS-60J), 700mm (TIS-70J)

- TIS series are to be shipped disassembled.



**New**

#### **Dual Cylindrical Magnesium Stand**

Compact in size, but with good strength, filled with silica inside the dual cylinders. Reduces sympathetic vibrations.

## PA Series

**Drastically improves sound field, by drawing the best of equipment's original performances.**

Ultra-fine sand filled magnesium stands for mid and large size speakers. By using with subwoofers, bass is aligned to the speaker ensemble and with other channels.



Speaker Stand

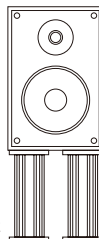
### PA-7L/13L/20L/30L

**Top plate:** 100mmW × 400mmD

**Base plate:** 100mmW × 400mmD

**Height:** 70mm (7L), 130mm (13L), 200mm (20L), 300mm (30L)

**Notes:** 2 pairs (4 pcs.) required for right and left speakers. 1 pair (2 pcs.) required for a center sub-woofer.



## Tuning Belt

## Tuning Belt

**Improved resolving power by controlling vibration when audio equipment is secured with Tuning Belts.**

The Tuning Belt has been designed to enhance sound quality of the entire audio system, and also to prevent speakers from falling off the stands. It is possible to easily fit the belts to various sized speaker boxes, even with sound insulators installed. Soft polyurethane material is used so as not to damage cabinets. Belts are re-suable by cutting the end by only 20 to 30mm.



**TB-15W :** Two 1.5m belts for small speakers. Comes with two fasteners.

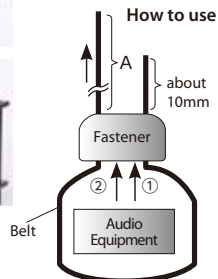
**TB-25W :** Two 2.5m belts for medium sized speakers. Comes with two fasteners. Belt Stopper Spare fasteners for TB-15W/25W belts



Examples of use



- Run the belt by about 10mm through slit (1) of the fastener.
- Bind equipment with the belt, and run the other end of the belt through slit (2), and tighten the belt ring till appropriate tension is given. Sound varies depending on tensioning.
- When you re-use the belt, cut the belt beneath the fastener before drawing out the belt from the fastener.



## Magnesia

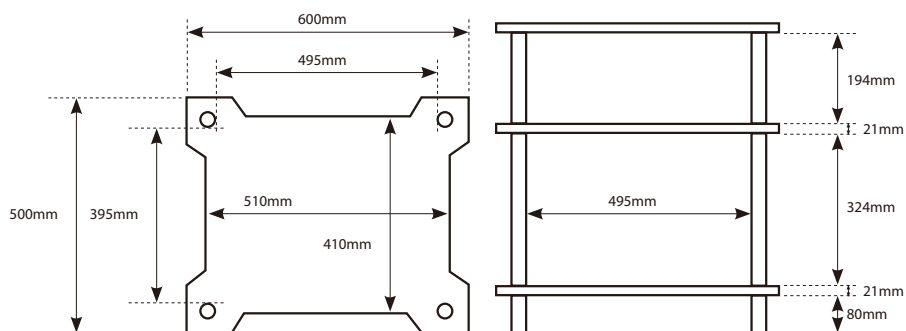
brings you to the new sound world



Magnesium Pole (cross section)  
Diameter: 32mm

World's first dual cylindrical magnesium extrusions are employed for an audio rack. Extraordinary intensity and absorption of vibrations have been attained. It also absorbs unnecessary vibrations for ideal imaging by means of micro-fine sands filled inside the dual cylinders. Shelves are Russian birch wood, carefully selected to ensure high airtightness and water resistance. The hybrid structure of metal and natural wood wakes up your audio system. Enjoy natural sound with magnesium rack MAGNESIA.





◆ Effective inside dimension is 6mm lower than poles

|              |  |   |
|--------------|--|---|
| <b>TMR-2</b> | 2 shelves with 330mm poles             | Size 447H × 600W × 500Dmm, Weight 9.7kg   |
| <b>TMR-3</b> | 3 shelves with 200+330mm poles         | Size 639H × 600W × 500Dmm, Weight 14.5kg  |
| <b>TMR-4</b> | 4 shelves with 200+280+330mm poles     | Size 911H × 600W × 500Dmm, Weight 19.4kg  |
| <b>TMR-5</b> | 5 shelves with 150+200+280+330mm poles | Size 1053H × 600W × 500Dmm, Weight 24.2kg |

|                  |                       |                 |   |
|------------------|-----------------------|-----------------|---|
| <b>Options :</b> | <b>Magnesium Pole</b> | <b>TMR-M15:</b> | 150mm set of 4  |
|                  |                       | <b>TMR-M20:</b> | 200mm set of 4  |
|                  |                       | <b>TMR-M28:</b> | 280mm set of 4  |
|                  |                       | <b>TMR-M33:</b> | 330mm set of 4  |
|                  | <b>Magnesium Feet</b> | <b>TMR-B7:</b>  | 70mm set of 4   |
|                  | <b>Top-end Pin</b>    | <b>TMR-TP:</b>  | set of 4  |
|                  | <b>Shelf/piece</b>    | <b>TMR-RB</b>   | 600W × 500D × 21Hmm,<br>Withstand load: 100kg per shelf |
|                  | <b>Caster Wheel</b>   | <b>TMR-CS:</b>  | set of 4  |
|                  | <b>Soft Spike</b>     | <b>TMR-14:</b>  | set of 4  |

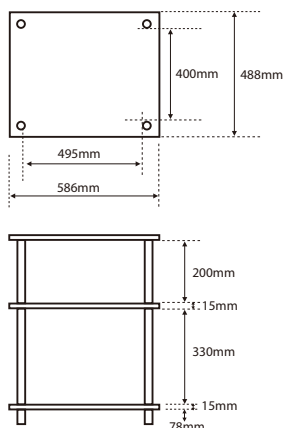




REQST PRO

## High Performance Racks designed in collaboration with REQST Inc.

Hybrid audio racks built with birch shelves and magnesium alloy poles developed in-house. Though they are slender in appearance, "Special Magnesium Alloy" has been used for maximum strength. Sonic performance of audio equipment will be upgraded thanks to tuning techniques of REQST Inc. being fused together with our carefully selected parts and materials.

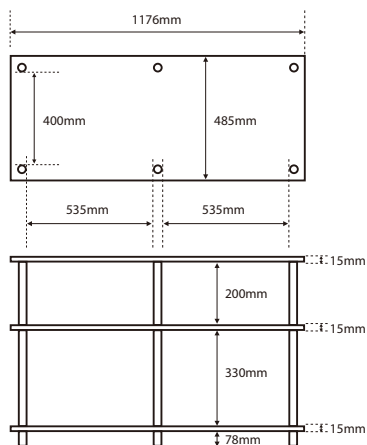


### TR5-3

- TR5-2** 2 shelves Weight: 7.5kg  
**TR5-3** 3 shelves Weight: 11.3kg  
**TR5-4** 4 shelves Weight: 15.2kg  
**TR5-5** 5 shelves Weight: 18.9kg

Poles selectable from 150, 200, 280, and 330mm. Withstand load: 100kg per shelf

- Options:** Magnesium Pole **TR5-M15:** 150mm set of 4  
**TR5-M20:** 200mm set of 4  
**TR5-M28:** 280mm set of 4  
**TR5-M33:** 330mm set of 4  
 Magnesium Feet **TR5-B7:** 70mm set of 4  
 Top-end Pin **TR5-TP**  
 Shelf/piece **TR5-RB** 586Wmm × 488Dmm × 15Hmm  
 Caster Wheel **TR5-CS** set  
 Soft Spike **TR5-14** set of 4



## TRW-3

**TRW-2** 2 shelves

**TRW-3** 3 shelves

**TRW-4** 4 shelves

**TRW-5** 5 shelves

Poles selectable from 150, 200, 280, and 330mm. Withstand load: 100kg per shelf

**Options:** Magnesium Pole **TRW-M15** 150mm set of 6

**TRW-M20** 200mm set of 6

**TRW-M28** 280mm set of 6

**TRW-M33** 330mm set of 6

Magnesium Feet **TRW-B7** 70mm set of 6

Top-end Pin **TRW-TP**

Shelf/piece **TRW-RB**

Caster Wheel **TRW-CS** set

Soft Spike **TRW-14** set

## Hybrid Insulator

Upper grade hybrid version of Magnesium Insulator M-Series, composed of magnesium and birch wood. Tiglon Birch processed and produced in-house, after having pursued sound quality, is employed in this series of cups which prevent spikes from falling or slip and improve sound quality. M-series insulators can be reborn as hybrid version by adding hybrid series cups to M1 or M2 insulators.



### TMXseries *Set of M1 or M2 + cup*

**Size:** 30mm H x 48mm Dia. x 32mm Inner Dia.

**Weight:** 48g/pc.

**Withstand Load :** less than 20 kg/pc.

**TMX-3** set of 3 pcs.

**TM5-4** set of 4 pcs.

### Optional Wooden Cup

**Size:** 24mm H x 48mm Dia. x 33mm Inner Dia.

**TC-3** set of 3 pcs.

**TC-4** set of 4 pcs.

## Magnesium Insulator (M-series)

Machine extruded high purity magnesium rod, further precision processed by us as high cost-performance insulators. They are specially coated to retain high purity magnesium characteristics. You can enjoy honed signal-to-noise response and resolution. M-series is available respectively either M1 spike plate or M2 spike (for tall-boy type speakers) only or both as a set.



### M1 Spike Plate

**Size:** 10mmH x 32mm Dia.

**Weight:** 14g/pc.

**Withstand Load:** less than 20kg/pc.

**M1/3** set of 3 pcs.

**M1/4** set of 4 pcs.



### M2 Spike

**Size:** 17mmH x 32mm Dia.

**Weight:** 16g/pc.

**Withstand Load:** less than 20kg/pc.

**M2/3** set of 3 pcs.

**M2/4** set of 4 pcs.

# PREMIUM SERIES



**Vintage sound comes back into existence,  
having accomplished the abyss of time.**

- Using 100 year old vintage solid teakwood, which is one of world's three major rare woods. It is often called "wooden jewel" and is worthy of the "Premium" series from Tiglon.
- The use of teakwood suggests vintage musical instrument sounds.
- Tiglon's pure magnesium material for vibration absorption is used in the most ideal audio board and insulators in commemoration of Tiglon's 5th anniversary.



Audio Board (Underlay Insulator)

**TMB-50**

Frame Size : 470W × 425D × 191mm

Top Magnesium Sheet Size : 450W × 405Dmm

**Materials & Structure :**

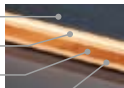
top layer : pure magnesium 2mm thick

2<sup>nd</sup> layer : MDF 7mm thick

3<sup>rd</sup> layer : pure teakwood 11mm thick

Bottom layer : MDF 7mm thick

Weight : 3.7kg



Hybrid Insulator **TMZ**

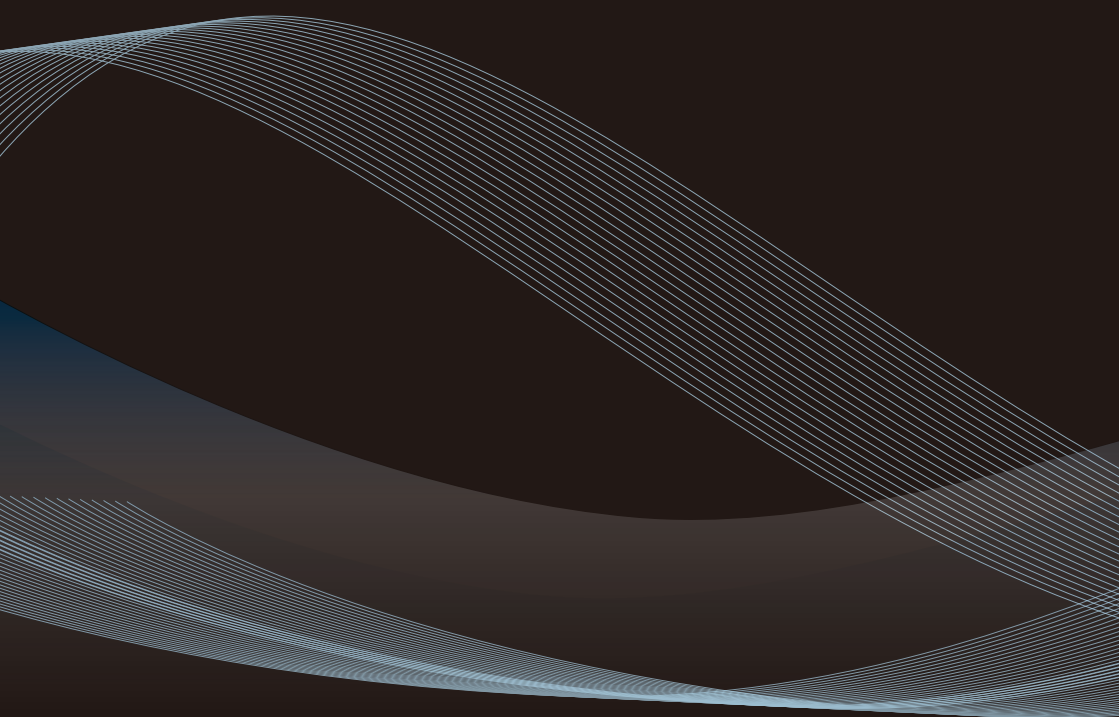
**TMZ-3** set of 3 **TMZ-4** set of 4

Size : 30Hmm × 48mm dia. × 32mm inner dia.

**Materials & Structure :** carved pure teakwood aged for over 100 years

**Note : Teak**

TEAK is generic name of deciduous arbor trees in Tectonic belonging to Verbenaceae. Countries of origin are India, Indonesia, and other South East Asian area. It grows to 1 to 1.5m diameter and 45m high in 50 to 60 years. It is counted as one of the three major rare woods in the world. It is very popular wood as high class material for its artistic grains and tough durability. Interior decorations for Orient Express known as high class train and Queen Elizabeth II the gorgeous passenger vessel are done with teakwood. However, nowadays logging teaks are banned in most countries. Importing them is also regulated so it is quite hard to obtain stocked teakwood domestically in Japan. The older the vintage, the higher the value, because teakwood shortly after logged contain much moisture so that it warps and cracks. But aged teakwood, naturally dried for a long time, is more durable for having been stabilized through slow curing.



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