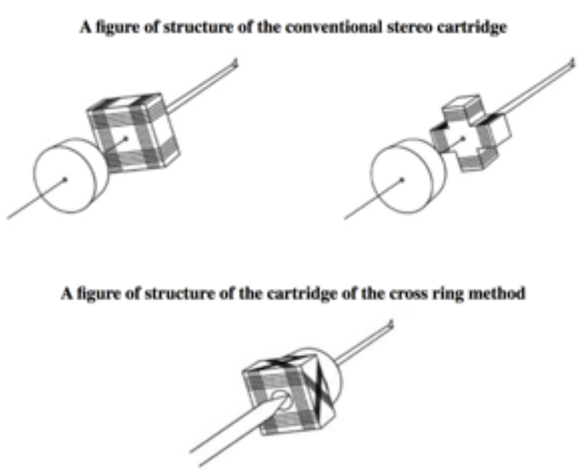
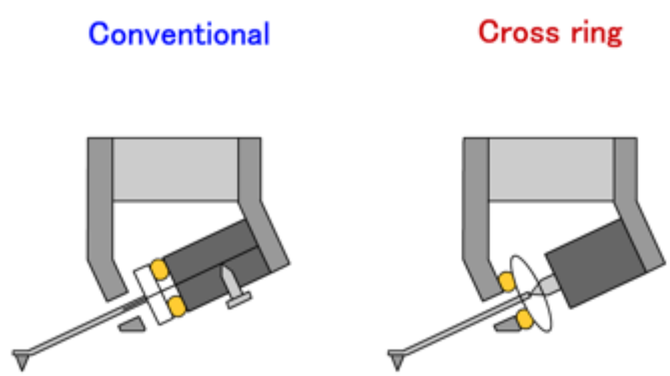
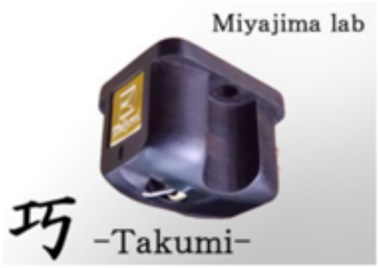
MOVING COIL PHONO CARTRIDGES

MIYAJIMA

Muchas compañías de audio de alta gama han sido iniciadas por un genio talentoso que simplemente vio una forma diferente de abordar un elemento de diseño de audio común. En este caso, el enfoque de Miyajima Laboratory, a través de su fundador Noriyuki Miyajima, ha sido mejorar los diseños convencionales en cartuchos de phono.
La mejora en este caso se denomina ensamblaje de motor de "anillo cruzado". Esto se explica así, cuando las bobinas derecha e izquierda se cruzan, sus puntos medios se superponen. Miyajima que el punto medio, sea el punto de apoyo del movimiento. Mediante este método, cada bobina realiza un movimiento giratorio al movimiento del cantilever. Por lo tanto, la electricidad solo puede producirse con una bobina sin necesidad de la armadura del núcleo de hierro. El movimiento no se ve afectado por el flujo magnético, y el peso ligero puede producirlo. Esto da como resultado una reducción de la distorsión y permite que los cartuchos Miyajima funcionen de manera óptima.







-Takumi-
The sound of Takumi is clear and soft.
Takumi adapts to arms various than Waza.
Takumi pursued usability.
And we reduced production cost of Takumi to reduce a price.
The structure is a cross ring method in the same way.

Maker	Miyajima-Laboratory
Product name	Stereo cartridge -Takumi-
Impedance	About 16 ohms (About 0.2mV output)
Frequency range (-3dB)	20 Hz to 25 kHz
Tracking force	2.3 g
Stylus Shape	bonded elliptical diamond stylus
Compliance (10Hz)	around 9×10-6cm/dyne
Appropriate temperature	20-30 Celsius (most suitable 25 C) 68-86 Fahrenheit (most suitable 77 F)
Weight	About 8.9g
Body	African Blackwood

-Saboten-
The big characteristic of this cartridge used spine of the Japanese cactus to a cantilever.
Like Madake cantilever, I think that the natural subject matter that is not metal makes a natural sound.
I spend time for making the materials of the bamboo firmly thin very much.
Spine of the cactus is sorted and is only cut.
And Spine is attached to an exact base.
The stylus used the joining diamond needle of a thin aluminum cantilever of 0.5 millimeters in diameter.
Saboten slightly has a lingering sound.
Saboten lets you feel the sound that even a small audio system is rich in.
Saboten is superior in the reproduction of a feeble sound.
Saboten is the cartridge which it is easy to use in a product of Miyajima-lab most.
The main body is lignum vitae said to be the world's hardest tree.

About a special cantilever

Maker	Miyajima-Laboratory
Product name	Stereo cartridge -Saboten-
Impedance	About 15 ohms (About 0.18mV output)
Frequency range (-3dB)	20 Hz to 25 kHz
Tracking force	2.0 g
Stylus Shape	bonded elliptical diamond stylus
Compliance (10Hz)	around 9×10-6cm/dyne
Appropriate temperature	20-30 Celsius (most suitable 25 C) 68-86 Fahrenheit (most suitable 77 F)
Weight	About 8.4g
Body	Lignum vitae

-Takumi L-
Normal Takumi is inexpensive and easy to use.
"Takumi L" upgraded Takumi by Line cotact.
Takumi L has a wider frequency range than Takumi.

Maker	Miyajima-Laboratory
Product name	Stereo cartridge -Takumi L-
Impedance	About 16 ohms (About 0.21mV output)
Frequency range (-3dB)	20 Hz to 32 kHz
Tracking force	2.3 g
Stylus Shape	nude Line Contact diamond stylus
Compliance (10Hz)	around 9×10-6cm/dyne
Appropriate temperature	20-30 Celsius (most suitable 25 C) 68-86 Fahrenheit (most suitable 77 F)
Weight	About 8.9g
Body	African Blackwood

-Shilabe-
It is the best model of the cross ring method.
The African blackwood of the main body is used for the materials of a clarinet and the oboe.
It has beautiful luster with a heavy tree very firmly.

Maker	Miyajima-Laboratory
Product name	Stereo cartridge -Shilabe-
Impedance	About 16 ohms (About 0.23mV output)
Frequency range (-3dB)	20 Hz to 32 kHz
Tracking force	3.0 g
Stylus Shape	nude Shibata diamond stylus
Compliance (10Hz)	around 8×10-6cm/dyne
Appropriate temperature	20-30 Celsius (most suitable 25 C) 68-86 Fahrenheit (most suitable 77 F)
Weight	about 9.7g
Body	African Blackwood

-Kansui-

I repeated an experiment to produce the cartridge which is better than Shilabe.
I changed some parts and a manufacturing process.
And, I completed cartridge "Kansui".
Kansui did not exceed all of Shilabe, but I felt splendor of Kansui while I listened to many records.
Balance, stillness, etc...
When you listen to a magnificent orchestra, I think that you understand it.

Maker	**Miyajima-Laboratory**
Product name	**Stereo cartridge -Kansui-**
Impedance	**About 16 ohms (About 0.23mV output)**
Frequency range (-3dB)	**20 Hz to 32 kHz**
Tracking force	**2.3 g**
Stylus Shape	**nude Shibata diamond stylus**
Compliance (10Hz)	**around 9×10-6cm/dyne**
Appropriate temperature	**20-30 Celsius (most suitable 25 C) 68-86 Fahrenheit (most suitable 77 F)**
Weight	**about 9.7g**
Body	**African Blackwood**

-Saboten L-

Saboten L selected carefully from a bit big beautiful cactus spine.
The tip of the cactus cantilever ties a short aluminum cantilever of 0.6 millimeters in diameter and attaches the pure diamond needle of the line contact.
It is a clear sound and expresses a delicate sound.
It does not give a useless sound.
It is hard to handle Saboten L for low compliance very much.
I thought about a plan change first, but decided to just make it.
I thought it to be the nearest from an original sound.
I feel the good tone of the musical instrument and feel clear distance between a sound and sounds.
A start and force and the low tone speed are the best.
It is hard to handle this cartridge most in Miyajima-lab, but I want to certainly recommend it to a user possessing a large audio system.
You can enjoy real music by Saboten L.
The Cameroonian ebony body is hard and is heavy.
A black body has some white spots.
It is hard to look with a photograph, but is a beautiful spot.

About a special cantilever

Maker	**Miyajima-Laboratory**
Product name	**Stereo cartridge -SabotenL-**
Impedance	**About 16 ohms (About 0.23mV output)**
Frequency range (-3dB)	**20 Hz to 32 kHz**
Tracking force	**3.0 g**
Stylus Shape	**nude Line Contact diamond stylus**
Compliance (10Hz)	**around 8×10-6cm/dyne**
Appropriate temperature	**20-30 Celsius (most suitable 25 C) 68-86 Fahrenheit (most suitable 77 F)**
Weight	**About 9.5g**
Body	**Cameroon ebony**

-Madake-

We used Japanese bamboo (madake) for a new cartridge.
Mr.Thomas Edison used this special madake to the filament of the electric bulb in old days.
This special madake is produced only from the mountain of Kyoto, Japan.

Mr.Thomas Edison found this highest quality madake from 1,200 kinds of bamboo of the world.
This madake is the firm bamboo which grew in the rich soil of the iron content.
Because I was looking for the firm cantilever which was not metal, it was the accidentally same condition.

I negotiated to obtain special madake in Iwashimizu Hachiman-gu Shrine of the mountain of Kyoto.
Because I respect Mr.edison of the inventor, "Edison" is included in the name of my Japanese audio shop.
Therefore, they handed over some madake to us in an exception.
Madake of ideal materials has special sound quality.

Madake is rare bamboo now. They do not sell bamboo (madake).
Please do not do an inquiry of the madake purchase to Iwashimizu Hachiman-gu.

There is Edison monument in Iwashimizu Hachiman-gu Shrine.
Iwashimizu Hachiman-gu Shrine is one of Japan's three biggest Hachiman-gu Shrine.
The follows are websites of Iwashimizu Hachiman-gu Shrine. (Japanese website)

Maker	Miyajima-Laboratory
Product name	Stereo cartridge -Madake-
Impedance	About 16 ohms (About 0.23mV output)
Frequency range (-3dB)	20 Hz to 32 kHz
Tracking force	2.5 g
Stylus Shape	nude Shibata diamond stylus
Compliance (10Hz)	around 9×10-6cm/dyne
Appropriate temperature	20-30 Celsius (most suitable 25 C) 68-86 Fahrenheit (most suitable 77 F)
Weight	about 9.7g
Body	African Blackwood

-Destiny- new!

Among many experiments, I learned that there is an important relationship between the needle pressure of the cartridge and the weight of the main body.
However, it was not a good thing if it was heavy, but we needed ingenuity of material and structure.
The completed sound is a balance like an isosceles triangle.
The bass is thick and tight.
Mid-range is firmly insisted.
A treble that has no useless resonance is realistic.
Sound separation is the best ever.
It is feeling that all the performers are putting their feet on the ground.
The sound image is stable, there is spreading and depth and presence.
When you finish listening to the LP, you will feel like clapping players unintentionally.

Destiny of the stereo cartridge used bamboo cantilever and LC solid diamond stylus.
Bamboo cantilever is tapered.
It is light and strong by careful processing.

Until now, we have weighted the head shell and adjusted the weight with a spacer.
However, it seems to be a little different from when we heavy the cartridge body.

Low-frequency energy is strong.
I would like to listen to drums and bass' s Arco style all the time.
Vocals are fresh.
There is little sense of distortion, and it reproduces to very small sounds.
By making the body heavy, the extra sound generated by the intense movement of the needle point is gone.
Since the self weight of the cartridge became heavier, it is necessary to select the arm, but it was able to demonstrate the merit of the cross ring method to the maximum.



Maker	**Miyajima-Laboratory**
Product name	**Stereo cartridge -Destiny-**
Impedance	**About 16 ohms (About 0.23mV output)**
Frequency range (-3dB)	**20 Hz to 32 kHz**
Tracking force	**2.5 g**
Stylus Shape	**nude Line contact diamond stylus**
Compliance (10Hz)	**around 9×10-6cm/dyne**
Appropriate temperature	**20-30 Celsius (most suitable 25 C) 68-86 Fahrenheit (most suitable 77 F)**
Weight	**about 13.3 g**
Body	**African Blackwood**