

The new Clearaudio moving coil generation -> with up to 100dB dynamic range

Clearaudio has improved significantly the fully symmetrical MC-principle, patented by us in 1980.

We redesigned the generator in a revolutionary new way, positioning the magnets in a way never done before. The positioning and doubling the number of magnets up to 8 pieces has produced remarkable results

The coils are operating in a much stronger and more homogeneous magnetic field.

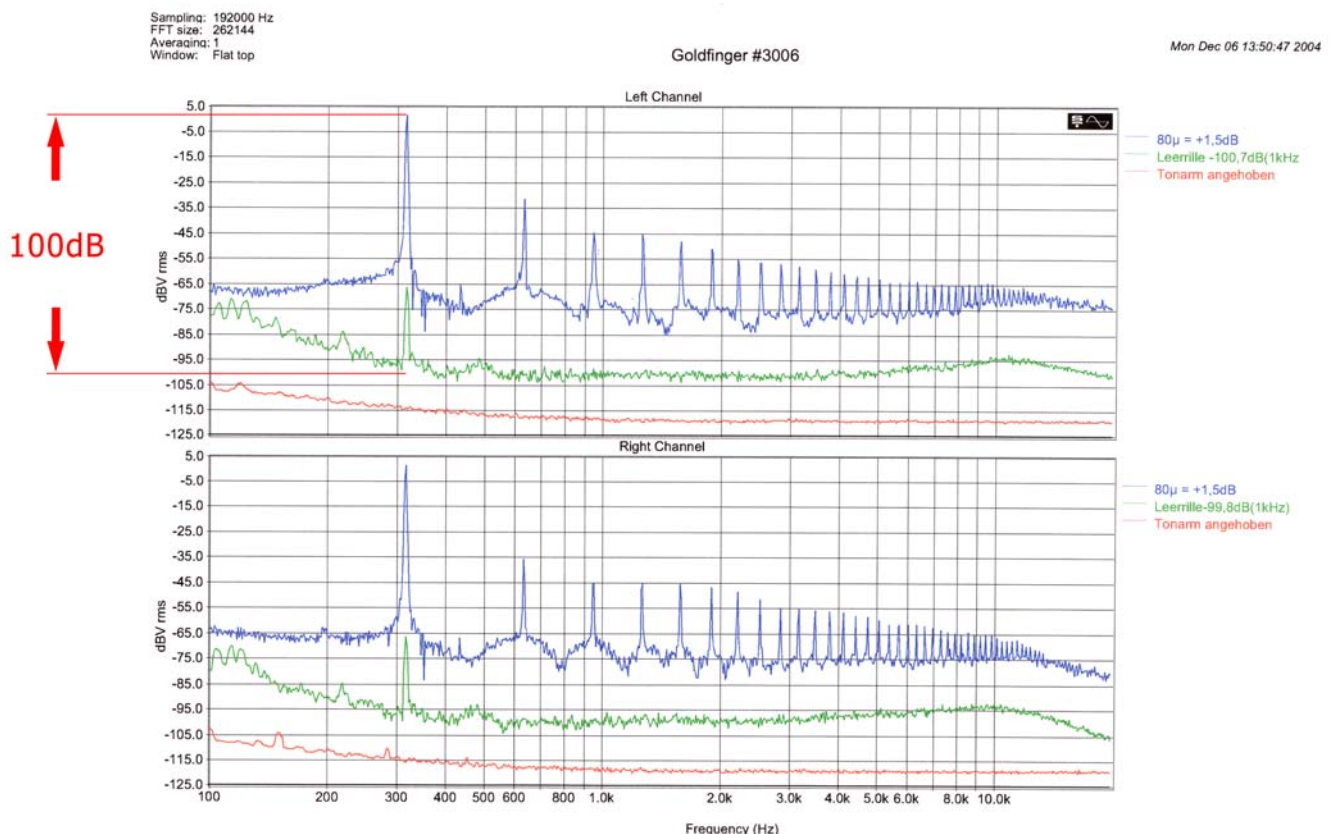
Furthermore we have chosen the strongest magnetic material available at this moment - Super Neodymium.

Through this achievement, the efficiency has been raised up to 30 %, which results in an output of up to 0,9 mV at 5cm/sec.

In addition, a new Micro-HD-Diamond tip, providing a hybrid parabolic geometry with the following stylus radii (0,008mm x 0,040mm) is now used. The total mass (0,00016g) is only a fifth of diamonds previously used.

Disturbing resonance's, while tracking the groove, are minimised through the twelve-finger design of the mounting plate, with different radii on the cartridge body, which has resulted from our constant research and sophisticated development.

The cartridge bodies of our 4 new models: Goldfinger, Titanium, Stradivari and Concerto are made out of the following astonishing materials: Gold, Titanium, Ebony and Satinee-Wood. Respectively to be the right choice as cartridge body, these materials are expected to achieve the highest musical results. The generator construction of the new moving coil cartridge generation is uniquely designed to be mechanically, magnetically and electrically completely symmetrical, like no other.



All Clearaudio moving coils successfully use 24 ct. pure gold coils. For the first time in 50 years you will see a 100dB dynamic range reproduced from the vinyl record. See the graph above:

A clear breakthrough in analogue music reproduction, with this new MC-Cartridge generation, has been achieved. The new generation is able to read a dynamic range of 100 dB with a frequency response of 10 Hz up to 100KHz.

The following measurement, a trackability test at 80 microns, proves the 100dB dynamic range. The peak level (blue Graph) in relation to the record noise (green graph) shows definitely a 100dB dynamic range.

We have also proved in our laboratories that modern vinyl records (produced aprox. from 1990) are definitive able to achieve a dynamic level and reproduction of 80 dB. You can imagine the enormous headroom without distortion, we are now surpassing digital sources.

Cartridges of the new generation.



Concerto
empf. VK: € 1700,-



Stradivari
empf. VK: € 2400,-



Titanium
empf. VK: € 5650,-



Goldfinger
empf. VK: € 7900,-