

# Reviews and Ratings

<https://reviewland.website/2017/09/25/brother-fight-two-new-cartridges-from-benz-micro-connect/>

## Brother fight – two new cartridges from Benz Micro – connect

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The two new systems of Benz Micro rise with ironless coil body and the same Generator in the Ring. Nevertheless, their Sound is quite different. Who in the top echelon of MC-scanner?

### Benz Micro

Albert Lukaschek – chief of the Benz Micro is the way to describe the Swiss: meticulously and deliberately. As a pragmatist, he avoids any mystification of its products. So it is not surprising that the Lukaschek two MC-builds systems with the same Generator. Because the **LP S for 2900 Euro**, and the **Gullwing SLR for 2500 Euro** differ only by the case and the shape of the mounting plate. While the Gullwing is an almost bare System with only two Aluplättchen as a protection in front of the handle, wrapped the sensitive parts of the Benz LP S of ebony.



### Generator with ruby heart

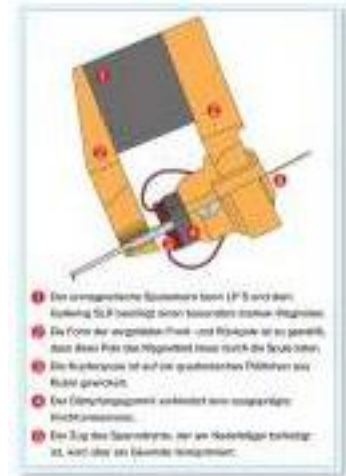
The special feature of both systems is the **ruby tiles**, on which the coil is wound. Thus, no magnetic forces act on the coil core, which would lead to a damping of the needle movement. This effect can even be desired, such as the rubber damping of the MC systems, the usual treble resonance. But you need to stand the coil in the idle event – so if the needle is in the groove, and the support force acts in a extremely exactly, so that the forces are pulling evenly on the core, if he is made of iron. Such an adjustment in the Nanometer range is hardly possible. So Lukaschek before moving in with his Top systems to the non-magnetic core.



The final inspection always-in-chief Albert Lukaschek at Benz-Micro.

But, as so often, there are not only advantages. So the number and the Magnet is due to the lack of a magnetic Coil in the same winding, the output voltage is low. The met Lukaschek with a magnet made of **neodymium-iron-boron, ferrite**, compared to the models with a magnetic coil cross about the **Benz Mocro Wood S L** – is significantly greater. This, however, leads also to the Front and rear pole must be shaped differently to direct the magnetic field is linear through the coils.

A further peculiarity results from the fact that the ruby coil's core is a platelet and not a cross – that would be out of the Material difficult to produce. In the case of a square platelet, the coil of the right channel is on the left. The output voltage, which should be the same signals, the same, in a MC-cartridge, are dependent on the movement of the coil in the magnetic field. However, since the core is magnetically non-reinforced, even such a small height differences, such as they exist here between the superposed coils, in clear channel, a distinction is noticeable.



Therefore decided Lukaschek, the coils of **0.018 millimeters thick wire** made of high purity copper for the left channel 61 to increase, while the outer coil in the right channel – 52. Thus, the output voltages of the channels are aligned. Because of the different coils is recommended Lukaschek a high-impedance input resistor of **47000 Ohms** at the **Phono stage**. The different Generator-internal resistance of the channels.

The mounting plate of the new **Benz-top systems** , in contrast to the cheaper models, not made of aluminum, but made of brass. This, however,



leads to a significantly higher weight. Especially when **Benz Micro LP S** should be the effective tonearm mass of about **13 grams** , so a **deep resonance below 8 Hertz** are not problems. But above all, it is important to note that The high weight requires a heavy tonearm counter weights to Balance it out. So, too, was against the weight of the **reference Tonearm Linn Ekos SE** almost too easy. As the cut decided Lukaschek for Micro-Ridge with fillets of **3 x 60 µm**. This needle attests to a long **life of over 1500 hours**.

Of needle azimuth is adjusted with the light microscope, exactly.

## Lyrical Skills

In the listening room, the testers were the same of the sound capabilities of the new Benz-brothers delighted. This was followed by the reference Phono stage **Naim Superline** is not quite the recommendation Lukascheks. They felt the sound image in a resistor of 1 Kiloohm something more harmonious and cohesive than 47 kOhm. So she liked the **Benz Micro LP S** with warm colours and an impressively wide and deep-space representation.

A property that only have excellent Pickups, not joined – to remain in quiet passages only through audible, but a tension. Incredibly impressive and intense came the quiet beginning of the Overture to **Wagner's Tannhäuser** (Georg Solti, Vienna Philharmonic orchestra, Decca) is over. As the Crescendo led to the Forte, had a fault with the Tester first.

But after that proved to be the competing **Benz Micro Gullwing SLR** a better Overview, the individual instruments more clearly separated from each other. This countered the **Benz LP S** with a little more bass pressure. The trip to the depth it lacked but a little bit of the contours of the Gullwing SLR, or even the *stereoplayreference Lyra Kleos* .

With this scanner pulled the **Benz Micro Gullwing SLR** . The **Lyra Kleos** gave a touch more plasticity, a more detailed focus on individual instruments, and had plucked notes and more click. Set against it the **Benz** with a minimum sonoreren play for the Republic of the men's voices around seemed more impressive. Anyway, it was amazing how, of course, the **Gullwing, the SLR** sounds. The Lyra Kleos maintained its reference status, with slightly higher departure speed.

Both of the Benz brothers to create the same number of points. The Gullwing SLR is because of the slightly better audibility **Co-reference**.

## Conclusion

The battle was almost a draw. As for the parents: There are Similarities, but also differences. The **Benz Micro LP S** – liked-with subtle pressure, a richer Bass and slightly warmer colors. The Gullwing offers the SLR has a greater audibility in complex passages, the slightly sharper picture as well as minimal finer high-frequency resolution. Both systems reach the bottom line the same number of points, but the Gullwing, the SLR may be called Co-reference.