

ACOUSTIC  
SIGNATURE

Teutonic engineering.

# ANALOG MASTERPIECES

exclusive handmade  
analog turntables



Made in Germany



Products by ACOUSTIC SIGNATURE first appeared in 1996. Worldwide prestige came as early as 1997, when Gunther Frohnhöfer and his team developed the first mass turntable and achieved excellent test results in Germany as well as the US. Shortly afterwards these turntables were exported all over the world. Ever since, their clear design and outstanding price/performance ratio have led to strong demand. „Made in Germany“ is important to us – more than ever now, in the face of the rising trend to buy everything from the cheapest supplier.

We purchase everything we do not produce ourselves from the best supplier not the cheapest. This striving for perfection in order to create the perfect listening experience is an attitude found less and less frequently. To us, though, this attitude has always been important, and we even focus more and more on it. The team around Gunther Frohnhöfer now comprises 22 qualified co-workers, including goldsmiths, watchmaker, engineers, electrical engineers, precision lathe operators, and specialists in other fields.

We focus on development with cutting-edge CNC in combination with „State of the Art“-CAD/CAM systems. All our products are produced and assembled by our specialists in 100% manual work at our company located in Süssen near Stuttgart. Only this passion and the love for fine detail make it possible to create something truly great. Dedicated co-workers with a passion for building turntables for you. With quality in materials we do not compromise on, and perfect workmanship. Meticulous engineering and manufacturing based on absolutely top-notch technology in the production machines. All of this results in precision mechanical products that set new standards. We work hard, and every day we raise the bar.

# MC cartridges



At ACOUSTIC SIGNATURE we constantly look for new technology to be used in our products and push the performance of existing technology to a new level. In 2015 we introduced a new series of MC cartridges to the market which was very successful. Based on this experience we decided to develop a new cartridge line that pushes the level higher. By carefully implementing new manufacturing technology and resonance control techniques for the CNC machined housing of the cartridge we created this fantastic new series of cartridges called MCX series.

TECHNICAL DATA	
Output voltage at 1 kHz, 5 cm/sec.	0,65 mV
Channel balance at 1 kHz	< 1,5 dB
Channel separation at 1 kHz	> 21 dB
Compliance, dynamic, lateral	15 µm/mN
Stylus type	Elliptical
Tracking force range	2,1-2,5 g
Tracking force, recommended	2,3 g (23 mN)
Frequency range at -3 dB	20-25,000 Hz
Frequency response 20-20,000 Hz	± 2,5 dB
DC resistance	7 Ohm
Coil Material	Copper
Cartridge weight	12,2

MCX-1	MCX-2	MCX-3	MCX-4
0,65 mV	0,55 mV	0,35 mV	0,3 mV
< 1,5 dB	< 1,5 dB	< 1,2 dB	< 1,0 dB
> 21 dB	> 21 dB	> 24 dB	> 26 dB
15 µm/mN	15 µm/mN	15 µm/mN	15 µm/mN
Elliptical	Nude Elliptical	Nude Fine Line	Nude Shibata
2,1-2,5 g	2,1-2,5 g	2,1-2,5 g	2,1-2,5 g
2,3 g (23 mN)	2,3 g (23 mN)	2,3 g (23 mN)	2,3 g (23 mN)
20-25,000 Hz	20-25,000 Hz	20-25,000 Hz	20-25,000 Hz
± 2,5 dB	± 2,5 dB	± 1,5 dB	± 1,5 dB
7 Ohm	7 Ohm	5 Ohm	5 Ohm
Copper	Pure 4-nines silver	Pure 4-nines copper	Soldi Plated OFC copper
12,2	12,2	12,6	12,6

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