

MC X SERIES



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In the world of vinyl playback, the cartridge is where the journey begins. A pivotal point where music rises from the groove and transforms into immersive soundscapes. With the **MC X Series**, Ortofon sets a new benchmark in MC cartridge design, pushing premium Moving Coil technology to unprecedented levels of performance.

MC X10 - Begin Your Journey

MC X10 lays the foundation for high-fidelity sound. Its refined elliptical diamond stylus delivers clarity and precision, bringing your records to life with stunning detail. It's the perfect starting point for an exceptional audio journey.



MC X20 - Uncover New Dimensions

Go deeper into your music with the MC X20. Featuring a nude elliptical diamond stylus, it reveals greater depth and definition, uncovering the full character of each track. Rediscover your favorite records with fresh excitement and vivid precision.



MC X30 - Elevate Your Sound

Push your listening experience further with the MC X30. Featuring a nude fine line diamond stylus, it offers extraordinary accuracy and resolution, rendering your music and every track with breathtaking detail and dynamic range.



MC X40 - Achieve Ultimate Fidelity

MC X40 is the pinnacle of the MC X Series, designed for the most discerning audiophile. Featuring a nude Shibata diamond stylus mounted on a rigid and lightweight boron cantilever, this cartridge provides unparalleled transparency, speed, and responsiveness.

Pure Silver Coil System

All MC X cartridges feature coils wound with high-purity silver wire. The use of premium materials is to ensure exceptional signal clarity, delivering sound with unmatched precision and preserving every detail without interference.



MIM-Molded honeycomb-structured Core

At the core of the MC X Series is an advanced honeycomb-structured stainless-steel frame, created using Metal Injection Molding (MIM) technology. This refined construction ensures superior mechanical stability, providing an ideal foundation for precise and accurate sound reproduction. After molding and sintering, a Physical Vapor Deposition (PVD) surface treatment is applied to enhance surface appearance and maintain material integrity over time.

Optimized Magnet System

The MC X Series introduces a newly developed magnet system with a one-piece pole cylinder integrated into a rear magnet yoke. Engineered for maximum magnetic efficiency and paired with pure silver coils, this configuration ensures a clean, powerful signal path that elevates overall performance.

Custom-Developed Rubber Dampers

In-house produced and developed rubber compounds form the core of the MC X Series' mechanical damping system. Rubber dampers are essential for controlling the physical movement of the coils, maintaining stability, minimizing unwanted vibrations, and enabling precise coil motion. The result is superior tracking, reduced distortion, and musical accuracy.

The Shape of Sound

The MC X Series embodies modern elegance with a distinctive design that seamlessly complements the tonearm. From afar, its silhouette speaks of minimalist refinement; up close, its intricate detailing reveals craftsmanship at every level. True to Ortofon's signature aesthetic, it's a sophisticated fusion of form and function.



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MC X Series Specifications				
Model name:	MC X10	MC X20	MC X30	MC X40
Output voltage:	0.4 mV	0.4 mV	0.4 mV	0.4 mV
Cantilever material:	Aluminium	Aluminium	Aluminium	Boron
Stylus type:	Elliptical	Nude Elliptical	Nude Fine-Line	Nude Shibata
Stylus tip radius:	r/R 8/18 μm	r/R 8/18 μm	r/R 8/40 μm	r/R 6/50 μm
Stylus suspension:	Ortofon exclusive	Ortofon exclusive	Ortofon exclusive	Ortofon exclusive
Coil system:	Quad coils	Quad coils	Quad coils	Quad coils
Coil wire:	High-purity silver	High-purity silver	High-purity silver	High-purity silver
Channel balance at 1 kHz:	0.5 dB	0.5 dB	0.5 dB	0.5 dB
Channel separation at 1 kHz:	24 dB	25 dB	26 dB	26 dB
Frequency response 20 Hz - 20 kHz:	+/-2 dB	+/-1 dB	+/-1 dB	+/-1 dB
Dynamic lateral compliance:	13 $\mu\text{m}/\text{mN}$	15 $\mu\text{m}/\text{mN}$	15 $\mu\text{m}/\text{mN}$	15 $\mu\text{m}/\text{mN}$
Recommended tracking force:	2.0 grams	2.0 grams	2.0 grams	2.0 grams
Recommended load resistance:	> 50 Ω	> 50 Ω	> 50 Ω	> 50 Ω
Internal impedance, DC resistance:	6 Ω	6 Ω	6 Ω	6 Ω
Cartridge weight:	8.6 grams	8.6 grams	8.6 grams	8.6 grams

The above specifications refer to typical values, these and the products pricing may be revised without advance notice.



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