



MC X

S E R I E S

ortofon

MC X SERIES

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.

“With the X series, Ortofon shows that genuine progress and technical innovation are still possible, even in affordable MC systems.”

Bernhard Rietschel, LowBeats, Aug 2025



ortofon

MC X SERIES

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

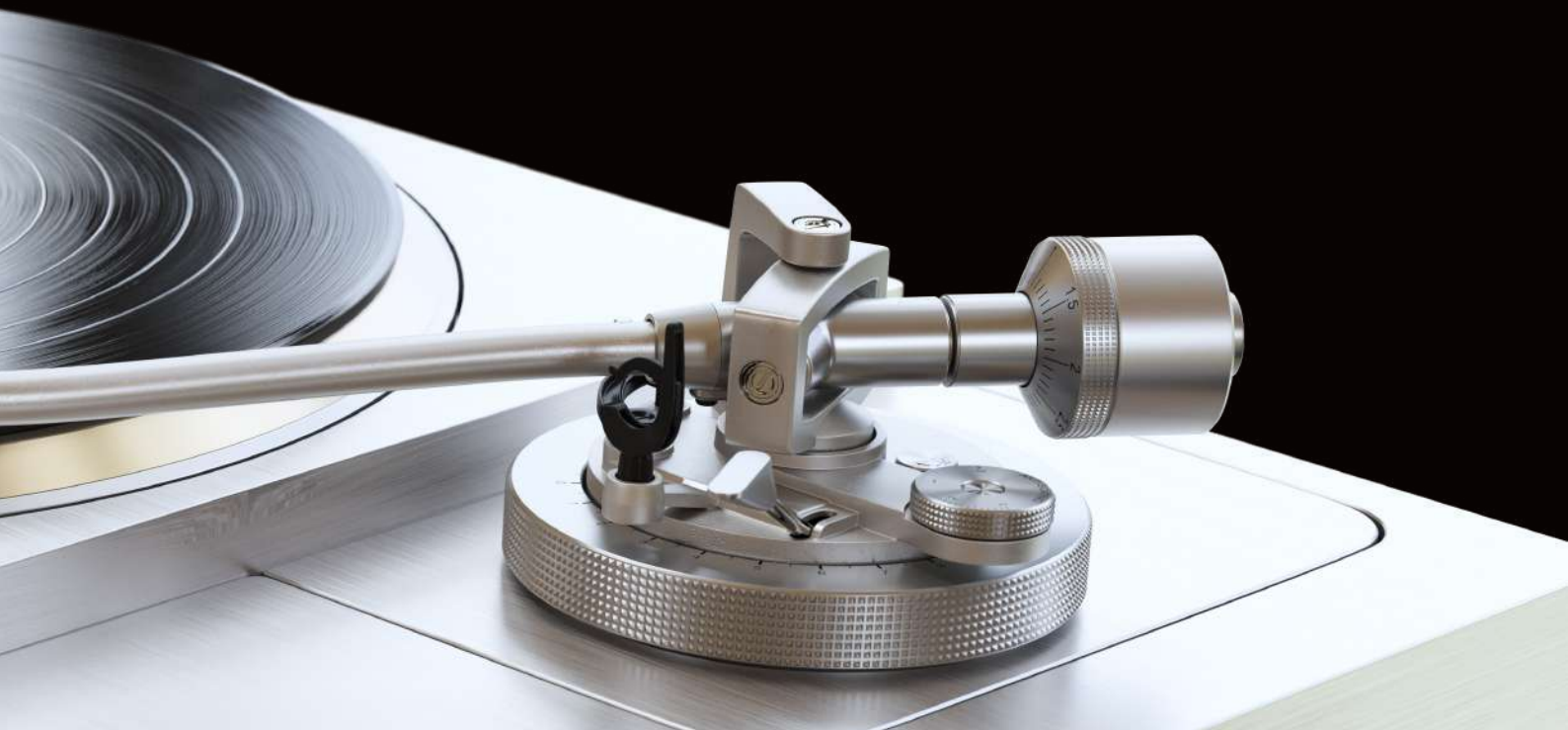
The MC X Series introduces a newly developed magnet system with a one-piece pole-cylinder integrated into a rear magnet yoke. Engineered for maximum magnetic efficiency, and paired with pure silver coils, this configuration ensures a clean, powerful signal path that elevates overall performance.

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.



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.

"There's lots of energy to the sound and it's packed with emotion and drama... vocals are crisp, smooth, and expressive."

Nick Tate, Hi-Fi Choice, July 2025



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.

"Voted Product of the Year 2025/26"

by LP Magazine

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.

Awarded Product of the Year: Accessories and Best Cartridge Over £500 at the What Hi-Fi – Awards 2025.



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.

Honoured with StereoNet's "Product of the Year" award in the Phono Cartridge category, celebrated for delivering a "lovely, smooth, delicate and open sound that echoes the character of genuine high-end designs."

MC X50 – Master the Groove

The MC X50 represents the highest level of performance in the MC X Series. Its nude Micro Ridge diamond stylus ensures exceptional tracking accuracy and long-term stability. With its exceptionally narrow side radius, it delivers superior high-frequency tracking, reduced inner groove distortion, and remarkable longevity. Combined with a boron cantilever, it provides superior transient response, resolution, and low distortion. A newly developed rubber suspension featuring a newly formulated compound has been engineered specifically for the MC X50.





SCAN FOR MORE
INFORMATION

MC X SERIES Specifications



| Model name | MC X10 | MC X20 | MC X30 | MC X40 | MC X50 |
|---------------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| Output voltage | 0.4 mV | 0.4 mV | 0.4 mV | 0.4 mV | 0.4 mV |
| Cantilever material | Aluminium | Aluminium | Aluminium | Boron | Boron |
| Stylus profile | Elliptical | Elliptical | Fine-Line | Nude Shibata | Micro Ridge |
| Stylus type | Bonded | Nude | Nude | Nude | Nude |
| Stylus tip radius | r/R 8/18 μm | r/R 8/18 μm | r/R 8/40 μm | r/R 6/50 μm | r/R 2.5/75 μm |
| Stylus suspension | Ortofon Exclusive | Ortofon Exclusive | Ortofon Exclusive | Ortofon Exclusive | Ortofon Exclusive |
| Coil system | Quad coils | Quad coils | Quad coils | Quad coils | Quad coils |
| Coil wire | High-purity silver | 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 | 0.5 dB |
| Channel separation at 1 kHz | 24 dB | 25 dB | 26 dB | 26 dB | 28 dB |
| Frequency response 20 kHz - 20 kHz | +/-2 dB | +/-1 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 $\mu\text{m}/\text{mN}$ | 14 $\mu\text{m}/\text{mN}$ |
| Recommended tracking force | 2.0 grams | 2.0 grams | 2.0 grams | 2.0 grams | 2.0 grams |
| Recommended load resistance | >50 Ω | >50 Ω | >50 Ω | >50 Ω | >50 Ω |
| Internal impedance DC resistance | 6 Ω | 6 Ω | 6 Ω | 6 Ω | 6 Ω |
| Cartridge weight | 8.6 grams | 8.6 grams | 8.6 grams | 8.6 grams | 8.6 grams |

The specifications are indicative of typical values and are subject to revision without prior notice.

ortofon

support@ortofon.dk | www.ortofon.com