INTRODUCING

ATMOS HYBRIS ARTISTICA TELLURIUM BY MARC NEWSON

REINTERPRETING THE MOST COMPLICATED ATMOS CALIBRE EVER CREATED

KEY FACTS:

- **A celestial spectacle, in glass:** an engraved map of the constellations set with 539 cabochon-cut sapphires representing the principal stars
- **A masterful mechanical feat:** Calibre 590 unites a tellurium with month, season and zodiacal calendar indications
- **Lunar precision, unmatched:** a moon phase of exceptional accuracy - deviating by only one day over 5,770 years
- **Born of the collaboration with Marc Newson:** continuing Jaeger-LeCoultre's dialogue with the iconic designer, this latest piece reinterprets the meeting of timekeeping and design through a singular vision

Following the creation of the Atmos Hybris Mechanica Tellurium Calibre 590 in 2022, Jaeger-LeCoultre and the celebrated industrial designer Marc Newson team up to create a second edition of the most complex Atmos ever created. Housed within a glass globe studded with sapphires and produced in a limited edition of just three pieces, Marc Newson's interpretation of the Atmos Tellurium Calibre 590 will be unveiled as part of Jaeger-LeCoultre's Atmos exhibition during Milan Design Week, from 21-26 April 2026.

WOUND BY AIR, A MARVEL OF PERPETUAL MOTION

With a unique mechanism invented in 1928 by Swiss engineer Jean-Léon Reutter and refined for series production by the watchmakers of LeCoultre & Cie (later Jaeger-LeCoultre), Atmos operates independently of human intervention, requiring no winding or external energy input. Known as the 'clock that runs on air', it is powered by a movement that effectively achieves perpetual motion by drawing its energy from barely perceptible variations in ambient temperature.

This thermal energy is transformed into mechanical energy, which drives the movement of the balance wheel. The secret lies in a hermetically sealed, gas-filled capsule, which is connected to the clock's drive spring by a membrane. The slightest temperature variation changes the gas volume, causing the membrane to expand and contract – 'breathing' like the bellows of an accordion. This action winds the spring, providing the minuscule energy needed for the balance wheel's once-a-minute, back-and-forth

oscillation. A temperature fluctuation of a single degree Celsius is enough to provide the clock with an operating autonomy of about two days.

The technical requirements of the mechanism determine the distinctive architecture of the Atmos mechanism, which has anchored the clock's strong aesthetic identity since the beginning. This strong identity also makes the Atmos an ideal canvas for artistic creativity and since the 1970s, Jaeger-LeCoultre has invited a series of leading designers, as well as masters of traditional artistic crafts, to reinterpret the clock in their own style.

A NEW COLLABORATION WITH MARC NEWSON

Jaeger-LeCoultre and Australian-born industrial designer Marc Newson have collaborated since 2008, combining their expertise to reinterpret the Atmos – an object the designer describes as both "complex" and "magical." This creative dialogue has given rise to successive calibres: 561 in 2008, 566 in 2010 and the first iteration of 568 in 2016. Renowned for his multidisciplinary practice, Marc Newson has long been fascinated by the Atmos, first encountered in his early teens. Guided by its timeless character, he introduces precise design interventions that respect and preserve the integrity of the object.

His approach explores unexpected uses of materials and challenges technical conventions. Rooted in a deep appreciation for analogue objects, his vision aligns with a commitment to longevity: creations designed to endure, both in function and in form.

A NEW DESIGN CAPTURES THE BEAUTY OF THE SOLAR SYSTEM

Calibre 590 is the most complicated Atmos movement ever created, reproducing the cycles of Earth, the Sun and Moon with great precision, in three-dimensional form. Jaeger-LeCoultre named this clock the Tellurium in homage to the three-dimensional mobiles of the same name invented during the Renaissance after Copernicus introduced his heliocentric model of the solar system; a tellurium reproduces the rotation of Earth and its orbit around the Sun as well as the orbit and rotation of the Moon around Earth. Starting in the 18th century, watchmakers thought to combine the tellurium with elaborate clocks.

A celestial globe: Inspired by the beauty and mystery of the cosmos beyond Earth's solar system, Marc Newson has designed a new cabinet for the Atmos Tellurium: a perfect globe of glass engraved with a map of the 64 constellations visible mainly in the Northern Hemisphere that is inset with 539 cabochon-cut sapphires (32K) representing the principal stars. Marc Newson's work as a designer is distinguished by his use of materials in new ways that often require the development of new processes, usually through a process of experimentation. In the case of the Atmos Tellurium, a great deal of research and many iterations were required to achieve the illusion of "invisible setting", with the gemstones inset directly into the external surface of the glass, with their rounded forms creating a subtle three-dimensional effect.

The heavenly *objet d'art* rests on a laser-engraved plate reproducing the surface of the moon and sits on a circular, ribbed base of dark-blue anodised aluminium that matches the blue of the anodised dial.

Artistry in motion: Commensurate with the extraordinary complexity and technical sophistication of Calibre 590, the mechanism's key components are highlighted with a variety of decorative finishes. The three-dimensional Earth is miniature-painted by hand in Jaeger-LeCoultre's Métiers Rares™ atelier to add depth and detail; laser engraving recreates the surface of the Moon and meteorite – a material that has literally fallen from space – is inlaid on the earth-moon ring. For his reinterpretation of the Atmos Tellurium, Marc Newson chose more contemporary finishes to create an aesthetic tension that perfectly balances tradition and modernity: galvanised aluminium for the hours-and-minutes ring and brushing on the movement plates and balance wheel.

The entire clock is supported on a plinth of blue calf leather, which forms part of a modular case that can be used in various configurations for displaying or storing the clock. Designed by Marc Newson, the case is handcrafted by Serapian, the renowned Milanese leather workshop, in its signature *Mosaico* pattern – created by a hand-weaving process developed by the Italian firm in 1947.

ETERNITY UNDER GLASS

Introducing extraordinary functions: As well as incorporating the functions of a tellurium, Calibre 590 adds displays for the corresponding months and seasons as well as a zodiacal calendar. As the Moon rotates, it reproduces its phases with exceptional precision, with a discrepancy of only one day every 5,770 years.

A calendar in motion: The clock dial showing hours and minutes is encircled by a two-layered ring: the visible upper layer is immobile, marked with an hour-and-minute track and the names of the seasons. The second, hidden layer is marked with the months and revolves, revealing the name of the current month in an aperture at 6 o'clock. This peripheral ring encircles a translucent blue sapphire crystal disc that is laser-engraved with symbols representing the zodiac signs. At the centre of this disc, the Sun is represented by a burst of sunrays in polished 18K pink gold, the longest of which points to the current zodiac sign.

Earth and Moon in harmony: Close to the peripheral ring, balanced by a wedge-shaped counterweight, a smaller circle of meteorite frames a transparent light-blue sapphire disc into which revolving, spherical depictions of Earth and the Moon are set. This earth rotates on its axis in 24 hours, the length of one civil day, providing the day-night indication as it revolves. At the same time, the moon orbits this earth in one synodic month, revolving on its own axis to display its phases. Defined by one complete cycle of moon phases, an average synodic month is 29 days, 12 hours, 44 minutes and 2 seconds in length.

Tracking the seasons with precision: The earth-and-moon subdial orbits around the central sun, making a complete rotation in one year and indicating the seasons as it turns. Jaeger-LeCoultre's watchmakers have succeeded in establishing a cycle of 365.2466 days, which is so close to the 365.2425 days of the Gregorian calendar that it varies by only one day in 390 years, meaning that so long as the clock remains wound, the calendar will not need adjusting until the year 2416.

A true work of art, the Atmos Tellurium Calibre 590 by Marc Newson is a visual and technical *tour de force* that replicates the majesty of our corner of the galaxy with exceptional precision, in strikingly beautiful style.

TECHNICAL CHARACTERISTICS

ATMOS HYBRIS ARTISTICA TELLURIUM BY MARC NEWSON

Dimensions: 270 x 285 mm

Movement: Jaeger-LeCoultre Calibre 590

Frequency: Two oscillations in a 60-second period

Functions: Hour, minute, tellurium, zodiacal calendar with month and season, highly precise moon phase (one-day discrepancy every 5,770 years), day-night display

Cabinet: Glass, engraved and inset with 539 cabochon-cut sapphires (~32 carats)

Dial: Anodised blue aluminium and sapphire crystal

Reference: Q5765310

Limited edition of 3 pieces

ABOUT MARC NEWSON

Marc Newson stands among the most influential designers of his generation. He shapes objects where technology meets sculpture – where precision finds movement, and function becomes form. His work is characterised by fluid lines, material sophistication and an obsessive attention to detail. Marc Newson gained recognition for his *avant-garde* designs that combined radical simplicity with advanced engineering. This singular vision has led to collaborations with some of the world's most prestigious brands, across aviation, automotive, technology and luxury. It finds a natural echo in Jaeger-LeCoultre, where innovation and craftsmanship are inseparable. In revisiting icons such as Atmos and Memovox, Newson did not overwrite, he revealed. He introduced a contemporary design language while preserving their mechanical soul, extending their presence forward, between memory and invention.

'Working with Jaeger-LeCoultre remains a dream,' says the designer. 'My admiration is longstanding, dating back to my youth in Australia. Jaeger-LeCoultre's masterful, exemplary coherence of design heritage - together with a relentless commitment to innovation - unquestionably inspired my life-long passion for timepieces. Several decades later, it's a pleasure to acknowledge our numerous collaborations. My work on the Atmos since 2008 - designing beautifully reimagined iterations - occupies a particularly special, symbolic space in our ongoing partnership.

ABOUT ATMOS

Born in 1928, Atmos is a clock like no other. An invention that appears to defy the laws of physics, running for centuries without the need for any conventional energy source or rewinding. Instead, its mechanism is powered by normal, everyday fluctuations in air temperature; a variation of just one degree Celsius is sufficient to guarantee two days of running time. Since the 1930s, Jaeger-LeCoultre has harnessed the Manufacture's watchmaking skills to continually make technical improvements, and its creative talents to enhance what has become a prized *objet d'art*. While the glass cube based on the Art Deco design of the Atmos II has become an instantly recognisable classic, Jaeger-LeCoultre has also collaborated with renowned designers and master artisans to create special editions of Atmos.

ABOUT JAEGER-LECOULTRE – THE WATCHMAKER OF WATCHMAKERS™

Since 1833, driven by an unquenchable thirst for innovation and creativity, and inspired by the peaceful natural surroundings of its home in the Vallée de Joux, Jaeger-LeCoultre has been distinguished by its mastery of complications and the precision of its mechanisms. Known as the Watchmaker of Watchmakers™, the Manufacture has expressed its relentlessly inventive spirit through the creation of more than 1,400 different calibres and the award of more than 430 patents. Harnessing over 190 years of accumulated expertise, La Grande Maison's watchmakers design, produce, finish and ornament the most advanced and precise mechanisms, blending passion with centuries-old savoir-faire, linking the past to the future, timeless but always up with the times. With 180 skills brought together under one roof, the Manufacture creates fine timepieces that combine technical ingenuity with aesthetic beauty and a distinctively understated sophistication.

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