



LOUIS MOINET
1806



ART-TECH
ONLY WATCH 2023



ART-TECH

The colours of life, the colours of Only Watch

“Microelectronics enables fundamental advancements in medical research, which is the ultimate goal of Only Watch. I felt it was relevant to establish a connection between innovative technology and high watchmaking in order to fully embrace Only Watch's mission.”

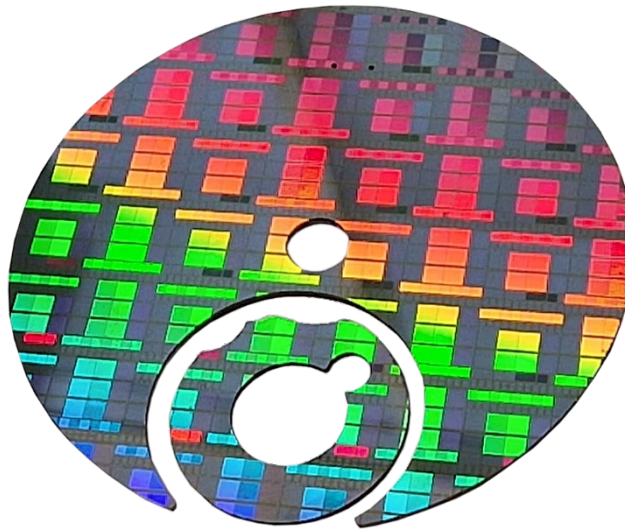
Jean-Marie Schaller, CEO and owner of Les Ateliers Louis Moinet

AN EXCEPTIONAL WATCH, BEAUTIFUL AND VISUALLY CAPTIVATING

A dial with a thousand facets

The silicon wafer with its etched microelectronic circuits makes for a very special dial design. The clear-cut, geometrical details of the microcircuits, which are highlighted by the optical and reflecting qualities of the wafers, allow light and reflections to play with remarkable intensity.

Each angle of vision makes for a dynamic and changing visual experience. The surface of the silicon interacts with light in different ways depending on its orientation. Thus, the watch comes alive with the various reflections, flashes, and plays of light.



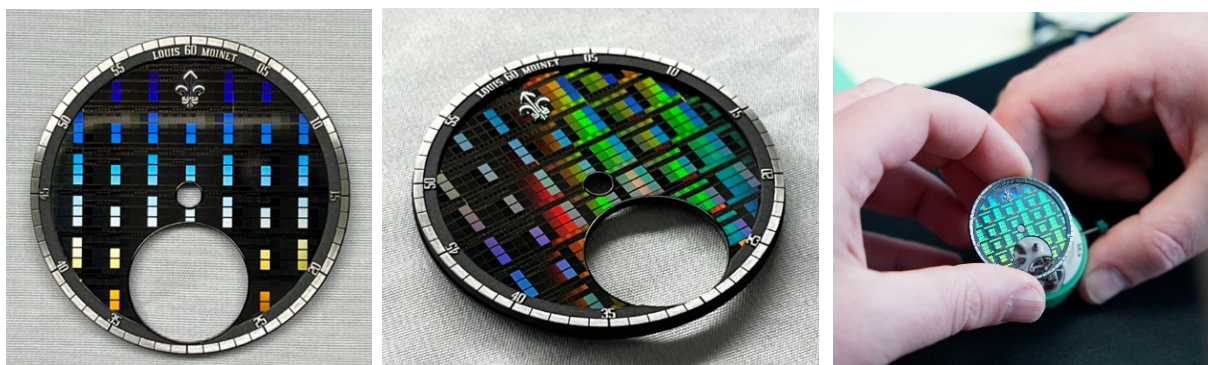
Dial cut from a microelectronic silicon wafer

ART-TECH brings exceptional design to the watchmaking craft

“By harnessing the optical properties of microelectronic circuits engraved on a silicon wafer, ART-TECH creates an intense visual animation of multicoloured reflections that flash over a clear graphic design whenever the watch moves.”

Jean-Marie Schaller, CEO and owner of Les Ateliers Louis Moinet

The use of silicon provides a touch of modern technology and innovation to a domain that is traditionally geared towards artisanal craftsmanship. The latter is represented by the tourbillon, a highly sophisticated complication invented at the dawn of the nineteenth century. This technical feat is a symbol of top-drawer watchmaking.



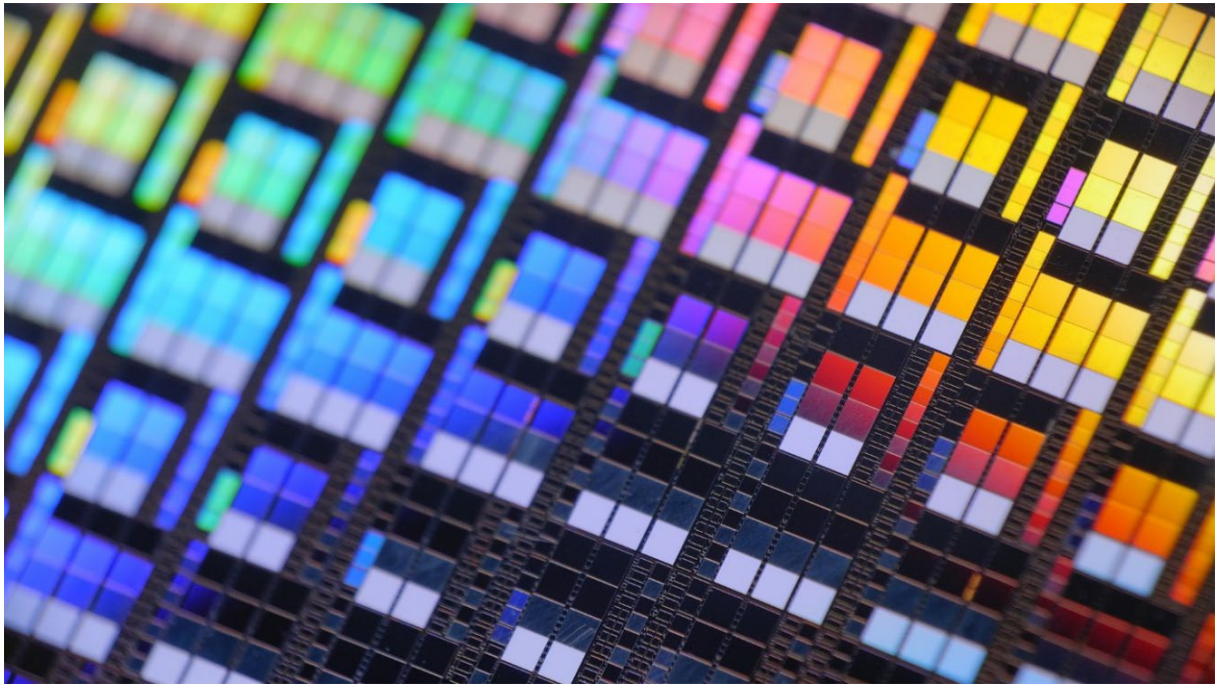
A world of colours in a watch that change according to the angle of vision

The hand-wound mechanism is equipped with a double barrel. The system, known as “volte-face,” places one barrels upside-down over the other. Together, they can deliver their energy simultaneously, producing a power reserve of ninety-six hours.

This exceptional work of art is housed in a 40-millimetre case made of polished and satinated grade 5 titanium. The curves of the case are fluid and tightly drawn. The sapphire crystal dome, a veritable technical feat, highlights the geometrical motifs of the dial. As for the openworked lugs, they perfectly emphasise the smooth integration of the bracelet.



AN INTELLIGENT AND INNOVATIVE MATERIAL



Innovative material linked with technological advances, notably in medicine

Silicon, a universal base

Silicon is one of earth's most abundant elements. It makes up over a quarter of the earth's crust and is the second most widespread element after oxygen. Silicon is found mainly in the form of silicon dioxide (SiO_2), which is present in many common minerals, such as quartz, sand, and silica.

Thanks to its availability and its physical properties, silicon is used in many industrial and technological applications, notably in the manufacturing of silicon wafers, which serve as the base for microchips.

A brilliant human invention: the silicon wafer

Electronic microchips contain millions of transistors. They are at the core of most electronic devices we use today, including computers, smartphones, and tablets.

These electronic components are built on silicon wafers, which are part and parcel of semiconductor technology. The wafers are in fact a slice of mono-crystalline silicon whose thickness is measured in milimeters. Their diameter ranges generally from ten to thirty centimetres. Many electronic components (microprocessors, analogue converters, power controllers, optical sensors) are developed on these wafers. This is a very complex manufacturing process, involving hundreds of processing steps on the silicon wafer.

The process requires the creation of multiple layers of different materials, such as insulators, conductors, and semiconductors. Each layer includes etched patterns that allow the transistors to be formed with all the needed connections.

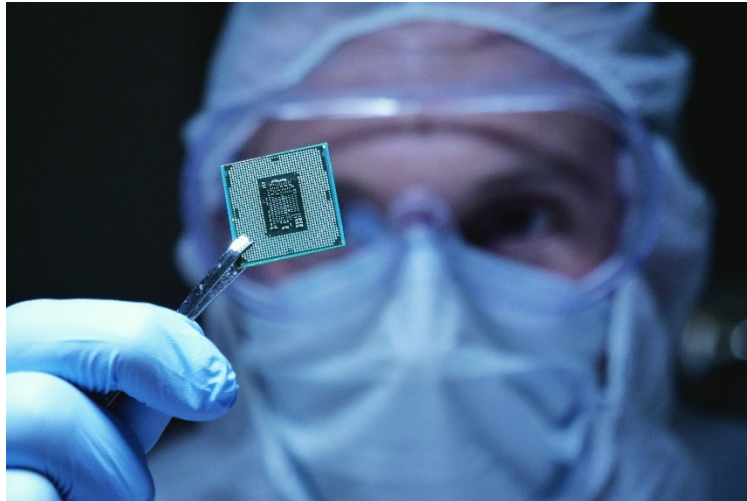
Silicon serves the modern world

Technological developments have produced increasingly powerful electronic chips. They are more and more efficient and able to execute complex tasks at a faster rate. This opened the way to many innovations in various fields, notably technology and science. The chip has in fact become the “grey matter” of the twenty-first century.

WHY PRESENT A WATCH WITH A MICROELECTRONIC SILICON WAFER AT ONLY WATCH?

ONLY WATCH

Only Watch’s mission is to support international research in the struggle against myopathies. Medical research is turning increasingly to microelectronic technologies to develop significant innovations in the field of health. These tools have a crucial role to play, be that in medical imaging, implantable medical devices, monitoring patients, or simulating and analysing medical data.



ART-TECH, human genius through time

Jean-Marie Schaller, CEO and owner of Les Ateliers Louis Moinet says: “I felt it was pertinent to associate technological research, which is the foundation of Only Watch, to the innovative material linked to technological medicine advances and to the beauty of an incomparable horological product. This watch is the embodiment of human genius through time, from the creation of a mechanism that is over 200 years old and still with us today, to the microprocessors that are shaping the future.”

TECHNICAL SPECIFICATIONS

ART-TECH

WATCH



UNIQUE PIECE

ART-TECH

CASE



MATERIAL

Grade 5 titanium, polished and satin-brushed



DIAMETER

40.7 mm

DIAL



MATERIAL

Microelectronic Silicon Wafer



HANDS

Hours, minutes, faceted and skeletonised,
with luminescent matter

MOVEMENT



FUNCTIONS

Hours, minutes

COMPLICATION

Flying tourbillon



TYPE

Hand-wound with double barrel



OSCILLATIONS

28,800 vibrations/heure



JEWELS

26



POWER RESERVE

96 heures



WATER RESISTANCE

30 meters



ABOUT LOUIS MOINET

Throughout his life, Louis Moinet pursued the art of genius without consideration for his legacy. He was a man possessed by his craft. As it happened, his humility almost denied him the plaudits he deserved for his enormous contributions to the history of horology.

The inventor of both the world's first chronograph and the first high-frequency watch, Moinet would not receive widespread acclaim for either for more than one Thunder year after his death. Jean-Marie Schaller was responding to a call of destiny when he took on the mission to preserve Louis Moinet's exceptional heritage and to share it with the rest of the world. In 2012, at an auction, he discovered and acquired Louis Moinet's famous "compteur de tierces". This instrument, identified as the world's first chronograph, was introduced to the general public on 21 March 2013, a date that rewrote the history of watchmaking. Thus, Louis Moinet was officially awarded the prestigious title of "First Chronograph" by the Guinness World Records™ organisation.

Ever since, Les Ateliers Louis Moinet in St-Blaise has worked tirelessly to protect and promote the legacy of Louis Moinet (1768–1853), harnessing the same creative spirit that propelled Moinet himself to greatness. Under the watchful eye of Schaller, Les Ateliers Louis Moinet produces exclusively mechanical timepieces that fall into one of two categories, either "Cosmic Art" or "Mechanical Wonders".

Every Louis Moinet timepiece is produced as either a one-of-a-kind pièce unique or as part of a strictly limited series. Continuing the inventive and eccentric legacy of the man behind the name, Louis Moinet's creations often make use of unusual and rare components, such as extraterrestrial meteorites or prehistorical materials.

The brand's core values are creativity, exclusivity, and art and design. This unique creative approach within the world of mechanical horology has enabled Louis Moinet to win over 50 of the world's most prestigious awards, including a UNESCO Award of Merit, seven Red Dot Design Awards, eighteen Good Design Awards, gold and bronze medals in the International Chronometry Competition, and many more.

Jean-Marie Schaller also personally received two illustrious distinctions: he was awarded the high-ranking title of "Darjah Seri Sirajuddin Perlis" corresponding to a knighthood, and was also honoured with the Prize for Horological Creativity Contribution Award for his "overall contribution to watchmaking".