

ARMIN STROM

SWISS WATCH MANUFACTURE

INDUSTRIAL GREEN MEETS FINE WATCHMAKING: THE NEW MIRRORED FORCE RESONANCE MANUFACTURE EDITION GREEN

Biel/Bienne, Switzerland, 22 April 2023: Armin Strom's Manufacture Edition of the Mirrored Force Resonance is now available with a green grenage dial and grey Alcantara strap. With a limited edition of 50 pieces for this watch, Armin Strom continues the design evolution of the horological revolution that is only fully achieved by the independent Biel/Bienne watch manufacture: the harnessing of the near-magical physical phenomenon of resonance.

The open-worked movement is the star of the Armin Strom Mirrored Force Resonance. It is yet another execution proving the fact that Armin Strom is the world's only watch brand that has fully cracked the code of how to use resonance in a wristwatch. With unique technology, developed and manufactured entirely in-house, the independent watch brand is able to synchronise two movements in one timepiece in order to achieve higher chronometric precision and consistency.

But first, let's take a look at the new off-centre, green dial featuring a textured grenage finish. The machine-green hue is inspired by some vintage equipment still used alongside contemporary state-of-the-art machines in Armin Strom's fully integrated manufacture. "We chose this green because it harmonises with the polished and decorated parts of the open-worked movement. And the grenage finish gives a contrast to the polished indexes. This frizzy, kind of frosted surface reflects some light – but it is not too loud. It doesn't overwhelm your attention and it shouldn't compete with the movement," says Armin Strom's Master Watchmaker and co-founder, Claude Greisler.

When it comes to the open-worked movement framing the green dial, it is really a showcase for the handmade decoration techniques that are mastered in-house by Armin Strom's watchmakers. The 3D-shaped balance bridges and all chamfers are hand-polished, and the dial side surfaces are also hand-worked with frosted, perlagged or circular-grained finishes. All parts of the movement – even the invisible ones – are painstakingly decorated with artisanal mastery; a process that sometimes takes 10 times as long as manufacturing the part itself. In addition, the movement is assembled by hand twice to ensure an uncompromising commitment to quality.

Armin Strom is the only watch brand that has fully harnessed the power of resonance, which has mesmerised the world's best watchmakers since the 17th century. This scientific phenomenon occurs naturally, since two bodies vibrating at a similar frequency automatically strive towards a common frequency. And when two bodies vibrate in resonance – be it radio waves, quantum physics or watchmaking – they are more precise, stronger and more stable and resilient than on their own.

Instead of waiting for nature to reach a resonant state between the two balance wheels, Greisler and his team invented the Resonance Clutch Spring, which was first introduced in 2016 after years of research and experimentation. This patented, ingeniously bent spring directly connects the hairsprings, thus keeping the two balance wheels in a perfect resonant state. The swiftly undulating spring and two balance wheels moving to and from each other also make an unexpected and mesmerising dial-side kinetic spectacle.

The Armin Strom Mirrored Force Resonance Manufacture Edition is an extremely rare and complex union of science and Swiss watchmaking of the highest artisanal standards and superlative chronometric performance.

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“This watch is all about achieving the highest precision possible. And for me as a watchmaker, hand decoration is very emotional – you can express yourself and add your signature to a watch movement,” said Claude Greisler. “It is not strictly necessary – but thanks to hand decorating and unusual details like the green grenage dial, a watch becomes a piece of art.”

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Technical specifications: Mirrored Force Resonance – Manufacture Edition Green

Reference no. ST22-RF.20

Indications: Hours, minutes, twin-seconds

Movement: Armin Strom manufacture Calibre ARF21

Winding mechanism: Manual winding

Regulating system: two independent regulating systems connected by a resonance clutch spring

Power reserve: 48 hours

Dimensions: 37.20 mm x 6.70 mm

Frequency: 3.5 Hz (25,200 vph)

Jewels: 39

Number of components: 276

Case: Stainless steel

Sapphire crystal and caseback with anti-reflective treatment

Diameter: 43.00 mm

Height: 11.55 mm

Water resistance: 3 ATM

Dial: Green with grenage centre and a circular satin-brushed chapter ring and applied polished baton indices

Hands: Steel, manufactured by Armin Strom, decorated by hand

Strap: Grey Alcantara strap with white stitching and double folding clasp in stainless steel

Limited to 50 pieces

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About Armin Strom

Armin Strom is an independent watch company based in Biel/Bienne, Switzerland. Armin Strom timepieces offer a unique fusion of the Swiss-German horological tradition, avant-garde “transparent mechanics” and an unwavering commitment to horological innovation. The hallmark of the brand’s low-volume, artisanal approach to watchmaking is its commitment to exposed dial-side movement mechanics, with every part hand-finished to the highest haute-horology standards.

Armin Strom was established in 1967 by Mr Armin Strom, a legend in the art of hand-skeletonization. In 2006, the stewardship of Mr Strom’s legacy became the responsibility of Master Watchmaker Claude Greisler and businessman Serge Michel, who together revitalized the brand with the opening of Armin’s Strom’s first fully-integrated Manufacture in 2009. Today the brand designs, develops, mills, embosses, galvanizes, hand-finishes and assembles all of its own watches in-house, enabling Armin Strom to bring even the most complicated ideas to life without any of the compromises that typically stem from reliance on a supply chain.

www.arminstrom.com

For further information, please contact:

Sonja Voutat-Hagmann

Head of Marketing

+41 (0)32 343 33 41

s.voutat-hagmann@arminstrom.com