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neomatik: new technology for automatic watches



Completely new automatic calibers

neomatik, new automatic, is the name of a special series of mechanical watch movements with which NOMOS Glashütte achieved what was considered impossible for so many decades. But what exactly is behind the name?

GLASHÜTTE, JULY 2021. Automatic watches, but slender and elegant. Extremely precise, produced in series, and attractively priced. Unthinkable? At one time, yes. Until now, it didn't exist, it simply couldn't be done. And yet today, the neomatik series from NOMOS Glashütte offers all of this.

"Anyone in the know will tell you that with all these attributes, neomatik technology offers customers wristwatches that simply haven't existed before," explains Uwe Ahrendt, engineer and CEO of NOMOS Glashütte. "This new automatic technology is truly pioneering." Wearing it on the wrist is "an indication of competence, the sign of a wise investment."

To date, the neomatik series by NOMOS comprises two caliber types: DUW 3001 without date and DUW 6101 with a date mechanism. Both movements are extraordinarily slender. The NOMOS swing system ensures the very best accuracy; it is the watchmaking company's proprietary escapement and is recognizable by its tempered blue balance spring. In addition to this incredibly precise pacesetter, a range of Glashütte specialties—such as the three-quarter plate, Glashütte ribbing, tempered blue screws—embody the kind of craftsmanship and engineering skill native to Glashütte. Because of course: Handcraft is central to the process even when it comes to producing high-end calibers such as these. Assembly, dozens of stages of quality assurance and adjustment, fine polishing and perlage: Most of the work is done by hand, as it always has been in the 175-year-old Glashütte watchmaking tradition. And this is how beautiful investments are created, watches for life.

Would you like to put neomatik technology to the test? How about taking it for a photoshoot? You are welcome to see it live in action in Glashütte and to find out how we produce it. Do you need more images of its production and assembly stages or of neomatik watches? We'd be delighted to share with you the secrets of our special watch movements—by phone, email, Zoom, or our preferred choice: Here in Glashütte. Just get in touch with us.

And one more thing: In August there will be a daily special sale of genuine neomatik collectibles—the last remaining models of the neomatik 1st edition from 2015, which feature the eye-catching neomatik lettering in neon red on their dials. Join in online every day from August 1 to 31. And in Glashütte at the NOMOS flagship store, while stocks last (please contact us in advance if you would like to visit in person!).

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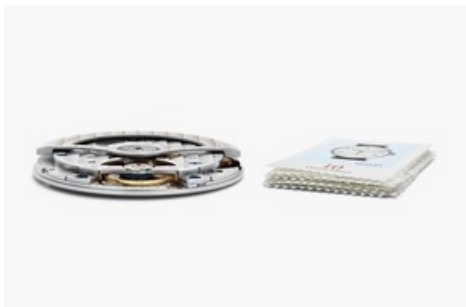
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Medieninhalte



A neomatik caliber from NOMOS Glashütte: As slender as nine postage stamps and of the very highest mechanical quality.



neomatik movement DUW 3001 from NOMOS Glashütte. With a height of only 3.2 millimeters, the proprietary automatic caliber with the name DUW 3001 is extremely slender and yet incredibly precise—to date, this combination either didn't exist or would have cost a fortune. Compared to the technology that came before it, the efficiency of the gear wheel train was increased: It is 94.2 percent. This figure represents hardly any friction loss—just 5.8 percent. Normally, it is around 20 percent.



neomatik movement with date display DUW 6101 from NOMOS Glashütte: The first neomatik caliber with a date—high-end mechanics from Glashütte, you could say. NOMOS self-winding caliber DUW 6101 is not only generously sized in diameter, but at only 3.6 millimeters in height, it is also extraordinarily slender—because this movement has been redesigned from start to finish, and the date mechanism has been integrated into it.



neomatik movement with date display DUW 6101 from NOMOS Glashütte, seen here from the side of the dial. NOMOS watches feature the date where it should be—both traditionally- and aesthetically-speaking: On the edge of the dial. For timepieces with a diameter larger than 40 millimeters, this is unique. The new NOMOS date display is particularly legible; depending on the model, it is up to three times larger than conventional date displays. The new date can be quickly and easily set in both directions, just a few turns of the crown is all it takes to make any adjustments. A special clutch negates virtually any error made by the wearer.



Automatic movement DUW 6101 from NOMOS Glashütte close up: A special sliding gear controls the movement of the cog wheels. It took numerous trials in the construction process to create. Now neomatik date is the first NOMOS caliber with three crown positions. In the home position, the watch can be wound by hand (if you like); in the second position, the date can be set forward or backward quickly; in the third position, you can set the time. It only takes the caliber 30 minutes to change the date. The time frame in which the watch cannot be wound is 90 minutes—in other words, particularly brief.



The most famous NOMOS watch is called Tangente, and of course, it too is available with neomatik technology. With DUW 3001 as a straightforward three-hand model. Also, as seen here, trendsetting and new as the version Tangente neomatik Update: The date ring, which is set far out on the edge of the movement, makes it possible to place the ring date around the dial. This design and the technology behind it each hold a patent.

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