

NOMOS

GLASHÜTTE

Press release



neomatik date (DUW 6101): The new neomatik caliber measures only 3,6 millimeters in height.

neomatik with a date

Slender automatic calibers and the watches powered by them have never been more in the spotlight at NOMOS Glashütte. All because the second neomatik movement is now here—reimagined and rebuilt, complete with a date function

GLASHÜTTE/BERLIN, MARCH 2018. The goal was a quick-set date—and should that bring further technological advances, then all the better. The result? The new neomatik caliber DUW 6101 from NOMOS Glashütte, offering several advantages thanks to its intelligent construction. With a diameter of 35.2 millimeters it is not only very large, but at a mere 3.6 millimeters in height it is extraordinarily flat too, since this movement was completely reconstructed to integrate the date. As such, it is perfectly suited for classic watches that fit wonderfully between the wrist and the shirt cuff. An overview of the caliber:

NOMOS

GLASHÜTTE

- The date on watches with this caliber is located exactly where it belongs—both traditionally and aesthetically: at the edge of the dial. This is unique for timepieces with a diameter beyond 40 millimeters.
- The new caliber facilitates a particularly large, legible date. The date ring was set around the DUW 6101 movement, which afforded the maximum possible freedom in terms of the design of these new watches; for a highly individual and harmonious timepiece aesthetic. Each watch has its own date ring design.
- The new NOMOS date mechanism is quick and easy to set—in both directions: A few turns of the crown is all that is required to change the date. Despite the limited movement height, this was made possible by a specially shaped gear wheel, which connects with the date disk.
- High precision is also ensured by the NOMOS swing system, the proprietary escape-ment recognizable by the tempered blue balance spring.
- Unique to DUW 6101: The gold-plated lettering on the rotor is embossed; and the words “reguliert in 6 Lagen” (regulated in 6 positions) are engraved in two colors on the bottom plate. This NOMOS caliber is lavishly polished and decorated—a piece of classic Glashütte watchmaking, in other words, and a rarity today.

“Perhaps at first glance one sees simply a new caliber with a date function. But take a second look and you realize that this innovation surpasses anything else available on the market,” says Uwe Ahrendt, engineer and NOMOS CEO. “This has never existed before.”

The process of patenting this caliber is underway. For now, four NOMOS models are equipped with this neomatik date technology: Tangente neomatik 41 Update, Orion neomatik 41 date, Ludwig neomatik 41 date, and Autobahn. All are available from spring 2018.

Should you require any additional information and images, or if you have any questions: We would be happy to assist you at any time.

Patricia Hellmuth
NOMOS Glashütte
press department

patricia.hellmuth@glashuette.com
+49 35053 404-481

Interview



Theodor Prenzel, 33, Head of NOMOS Glashütte's construction department, developed the new caliber.

»We've taken it to the next level«

Mr Prenzel, you redesigned this caliber from start to finish. What does that mean—and where did you begin?

For caliber DUW 6101, we examined each of the 188 parts individually, since we wanted to make an entirely new, easy-to-use, and quick-setting date mechanism. It was a challenge to achieve this within a height of just 3.6 millimeters. We already had a lot to draw on from the development of other NOMOS calibers, the NOMOS swing system, and our proprietary gear train over the years. We had a lot of knowledge to work with, which helped. And of course, these days we have entirely new technical options in comparison to the watchmakers that designed calibers in the 1970s—which incidentally is when the majority of calibers working within watches today were created. There are a few very expensive exceptions. And NOMOS Glashütte.

What exactly makes your new date mechanism so special?

The new date mechanism allows you to travel half a month with only a few turns of the crown. Not only forwards, but backwards too. You can occasionally find this feature

NOMOS

GLASHÜTTE

elsewhere, but it is unique in our price range. The placement of the date ring around the caliber is standard at NOMOS Glashütte. But this time we've taken it to the next level; the date is not only easy to set, but the display window is also generously proportioned and placed at the edge of the dial. My colleagues in the product design department were delighted about this new caliber—as it has opened up new opportunities in design.

How is it possible to fit all of these advantages into a height of just 3.6 millimeters?

Since we design every individual part ourselves and make nearly all of them ourselves too, we had several options to work with. These options keep us thinking creatively. We redesigned the winding system from start to finish as well. And to save space, we let the double click gear, duplex wheel, and rotor intermediate wheel take over the function of the stopwork.

How long did it take to develop the new date caliber?

It took a good three years from the first specifications with sample parts, tools, and drafts of the caliber until the finished movement could be produced in series. Given that there are twelve of us working in research and development, it was a great deal of work. But we weren't only busy with DUW 6101 during this time.

DUW 6101 consists of 188 parts. Do you have a favorite one?

The program disk, a triangle with rounded edges. It allows us to save a great deal of space within the caliber; we could place a smaller date wheel at ten o'clock. It only changes the date forward once a day, but it turns four times within 24 hours. Thanks to this disk, there is a program at the heart of this watch that will never need an update—as it's completely mechanical.