

Press release - Glashütte, 16 October 2025

## Traditional mechanics in a modern light: TOURBILLON Titanium and TOURBILLON Tremblage

*The tourbillon is considered one of the most marvellous complications in the history of watchmaking. The manufactory Moritz Grossmann is shining a fresh light on it with the limited-edition models TOURBILLON Titanium and TOURBILLON Tremblage. Rather than being stylised artefacts, they are unquestionably contemporary with a modern aura owed to a new case and guilloché dial as well as a new colour.*

Moritz Grossmann upholds tradition. It is a manufactory that respects and nurtures historical craft and stays true to values passed down over time, especially in relation to mechanical movements. These characteristics are embodied in the tourbillon, which was once upon a time devised to minimise the effects of gravity on pocket watches. Even today, it is still considered an expression of the utmost skill, even in wristwatches, and that is because it is hard to conceive of another component that makes mechanics so fascinating and aesthetically pleasing. There are two new versions from the Glashütte manufactory that demonstrate this perfectly.

### **TOURBILLON Titanium: the perfect body for a modern face**

The TOURBILLON Titanium combines the traditional tourbillon with the modern sophistication of a titanium case. This versatile metal used in fields such as aerospace has outstanding attributes including robustness, skin friendliness and corrosion resistance. It is also significantly lighter than other metals, which is a great benefit to the wearer's comfort. Moreover, titanium has another attribute of a purely aesthetic nature: its somewhat darker, metallic sheen, which lends a further expression of beauty to the slender three-piece case.

The TOURBILLON Titanium's classic and elegant case, with a slimline bezel, serves as the body for a dial consisting of a fine 'grain d'orge' guilloché pattern made of solid silver. While its bright lustre and simple typography are very much reflective of today's standards, the dial maintains tradition, too, with the spaces beside the indicators and subsidiary dials bearing a fine guilloché pattern. Guilloché is a method based on an old handicraft and is produced using historical machines which engrave a fine-lined pattern. Each contour is cut into the metal separately, demanding a great deal of dexterity as the cutter is applied by hand and guided across the metal with individualised pressure. Creating an absolutely even decoration using this method is an art in and of itself.

## Unconventional angles: the design of the dial

To make the tourbillon at 6 o'clock on the dial achieve its full effect, the hour and second indicators have been shifted from the centre. They have been equipped with two off-centre, deeper recessed subsidiary dials to create a symmetrical appearance. The dials, type and scales are presented in black print, as is the minute scale on the dial's circumference. The hands are produced manually at the manufactory and tempered to a brown-violet hue.

The Moritz Grossmann brand name is a modern detail that serves as a signature on the dial atop a curved emblem at 12 o'clock.

## TOURBILLON Tremblage: traditional balanced with modernity

The perfect selection of colours, shapes and details is evidence of just how entrenched the Moritz Grossmann manufactory is in modern times. The dial of the TOURBILLON Tremblage appears in a warm shade of rosé. In combination with white-printed numerals, inscriptions and scales, as well as manually crafted, polished steel hands, it presents a face of time, that look both contemporary and classic. The tourbillon takes centre stage and is highlighted by the tremblage surface of the dial, which is engraved meticulously by hand.

## The art of tremblage

The dial of the TOURBILLON Tremblage consists of multiple parts made of solid silver, with an historical engraving technique applied at the centre. It involves guiding cutters of varying sizes by hand across the metal with a trembling movement. The result of that handiwork is a fine, even grain which softens the incident light and makes the tremblage surface appear beautifully matt.

The impression is further reinforced through Moritz Grossmann's use of colour to showcase the engraving technique, with the hand-crafted surface being finished in a vibrant rose shade. The colour has a warm and exceedingly contemporary quality to it. It also emphasises the three-dimensionality of the dial, where the hour numerals and small seconds circle arise from the surface along with the historical 'M. Grossmann' logo dating from 1875.

The processing of the dial requires several days to complete. With highly legible Arabic numerals in white and very delicately tapered hands crafted in-house at the manufactory, the TOURBILLON Tremblage showcases the clear aesthetics of the Glashütte precision measuring instruments of the 19th century.

## **TOURBILLON Titanium and TOURBILLON Tremblage: two new products, one movement**

The manufactory unveiled its first hand-wound movement featuring a tourbillon in 2013. Since then, models with the 103.0 calibre have enriched the collection. The hand-wound movement in the TOURBILLON Titanium and the TOURBILLON Tremblage has now taken on a new appearance.

What is special about it is the generously dimensioned oscillator, which is mounted on one side and housed in a tourbillon cage with a lavish diameter of 16 millimetres. Drawing inspiration from Alfred Helwig, the unusually large cage with a V-shaped balance bridge has a flying mounting which puts many fascinating details on unobstructed display. These include, for example, the intricately crafted cage top, resting on just two pillars, located on the 6 o'clock position, and the accompanying off-centre hour indicator at 3 o'clock and second indicator at 9 o'clock.

Unlike a conventional tourbillon, which generally turns on its axis once a minute, the Moritz Grossmann construction takes a full three minutes to perform a rotation.

Each and every component of the movement is individually finished by hand. The plates and tourbillon cock are finished with hand engraving whilst the Glashütte ribbing rests in harmony with the hand-bevelled edges. The ratchet is decorated with three-band snailing. In addition to that, the polished screws are set in gold chatons and the jewels are made of white sapphire.

### **Limited editions with tourbillon**

The white gold case of the TOURBILLON Tremblage is worn on a black alligator leather strap with a white gold folding clasp. This model is limited to eight pieces.

The TOURBILLON Titanium is worn on a black alligator leather strap with white stitching and features a titanium folding clasp. This model is limited to twelve pieces.

### **Technical data, TOURBILLON Titanium/TOURBILLON Tremblage**

Reference:	Tourbillon Titanium: MG-003862 Tourbillon Tremblage: MG-003888
Movement	Manufacture calibre 103.0. manual winding, regulated in five positions
No. of parts	245 (movement 186/cage 59)
Jewels	30 jewels, of which 4 in screwed gold chatons (movement 17, cage 13)
Escapement	Lever escapement

Oscillator	Grossmann flying three-minute tourbillon with a stop-second function; shock-absorbed Grossmann balance with 4 inertia screws and 2 poising screws, suspended Nivarox 1 balance spring with No. 80 terminal curve, Gustav Gerstenberger geometry
Cage diameter	16.0 mm
Cage rotation	1 rotation in three minutes, anti-clockwise on the dial side
Balance	Diameter: 14.2 mm, frequency: 18,000 semi-oscillations per hour
Power reserve	72 hours when fully wound
Functions	Hours and minutes, small seconds with stop-second function, Grossmann manual winder with pusher
Operating elements	Crown in titanium/white gold to wind the watch and set the time, pusher in titanium/white gold to start the watch
Case dimensions	Diameter: 44.5 mm, height: 13.9 mm
Movement dimensions	Diameter: 38.4 mm, height: 7.1 mm
Case	Three-part, titanium/white gold
Dial	Tourbillon Titanium: Multi-part in solid silver, guilloche inner dial, dials and scales printed black Tourbillon Tremblage: Multi-part in solid silver, hand-engraved tremblage
Hands	Tourbillon Titanium: Manually crafted from steel, annealed to a brown-violet hue Tourbillon Tremblage: Manually crafted, polished steel
Crystal/display back:	Sapphire crystal, antireflective coating on one side
Strap	Hand-stitched alligator leather with solid butterfly clasp in titanium/white gold
Special features	Flying three-minute tourbillon with screw-secured driving wheel and V-shaped balance bridge (protected as a registered design); central minute display, off-centre display for hours and seconds with stop-second function, bridging of the scale gap in the minute dial from 25-35 minutes via a hand extension with separate scale (patented); stop-second function on balance rim with intervention by a hair brush (patented); asymmetric-arm lever escapement with counterweight and lever banking pin; Grossmann balance with a suspended balance spring and regulation via poising screws in the balance rim; newly developed jewel bearing for the barrel; brake ring on the second arbor made of very hard, oily lignum vitae; movement wheels made of ARCAP; Grossmann manual winder with pusher to override hand setting and to start movement; modified Glashütte recoil click; pillar movement with plate and frame pillars made of untreated German silver; plate and tourbillon cock hand-engraved; broad horizontal Glashütte ribbing; 3-band snailing on the ratchet wheel; raised gold chatons with pan-head screws; white sapphires as jewels; separately removable yoke winding mechanism

***Moritz Grossmann Uhren:***

*Moritz Grossmann, geboren 1826 in Dresden, galt als Visionär unter den großen deutschen Horologen. Sein Freund, Ferdinand Adolph Lange, überzeugte den hoch talentierten jungen Uhrmacher, 1854 eine eigene mechanische Werkstatt in Glashütte zu gründen. Neben dem Aufbau eines angesehenen Uhrenbetriebes engagierte sich Grossmann politisch und sozial, im Jahr 1878 gründete er die Deutsche Uhrmacherschule. Moritz Grossmann starb 1885 unerwartet, seine Uhrenmanufaktur wurde aufgelöst.*

*Der Geist von Moritz Grossmanns traditioneller Uhrmacherei lebt seit dem Jahr 2008 wieder auf, denn die gelernte Uhrmacherin Christine Hutter entdeckte die alte Glashütter Uhrenmarke „Moritz Grossmann“ und ließ sie schützen. Sie entwickelte Konzepte und war beseelt von der Vision, nach gut 120 Jahren Grossmanns Erbe mit einer besonders feinen Armbanduhr anzutreten. Sie überzeugte private Uhrenliebhaber, sie bei der Verwirklichung ihres Traums zu unterstützen. Am 11. November 2008 gründete sie die Grossmann Uhren GmbH in Glashütte.*

*Die Grossmann'schen Uhrmacher wahren heute die Tradition, ohne historische Stücke zu kopieren. Mit Innovation, höchstem handwerklichen Geschick, mit traditionellen, aber auch modernen Fertigungsmethoden sowie edlen Materialien zelebrieren sie mit ihren Uhren „Schönstes deutsches Handwerk“.*

**TOURBILLON Titanium and TOURBILLON Tremblage, image and video material to download:**

<https://my.hidrive.com/share/8r.55ugs01>

**Grossmann Uhren GmbH:**

<https://www.grossmann-uhren.com/>

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TOURBILLON Titanium



TOURBILLON Tremblage

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