


GRÖNEFELD
EXCLUSIVE TIMEPIECES



Grönefeld

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Although seemingly a newcomer to the watch marketplace, the name Grönefeld and the art of watchmaking have a family history spanning nearly one hundred years, originating in the small and ancient town of Oldenzaal located in The Netherlands. It is there, in a shop directly under the view of the ancient basilica church and its tower dating from 1240, that the great grandfather of the present watchmakers, Johan Grönefeld, began his career as a watchmaker in 1912.

This marked the beginning of the small and highly talented dynasty of Grönefeld watchmakers, which reaches to the present day with the brothers Bart and Tim Grönefeld. Their workshop is located in the same building as that used by Johan Grönefeld, representing a continuous, unbroken watchmaking family history that is exceptionally rare to find anywhere in the world today.

Both Tim and Bart Grönefeld underwent extensive training in Switzerland, and within a relatively short span of time proved themselves adept world specialists in the production of the most coveted and exquisite horological creation of all: the tourbillon minute repeater wristwatch. Working anonymously behind the scenes, they have created such pieces for all of the greatest watchmaking houses of Switzerland from A to Z. This fall they will be releasing their first personally branded timepiece, the GTM-06, which has been in development for more than four years.

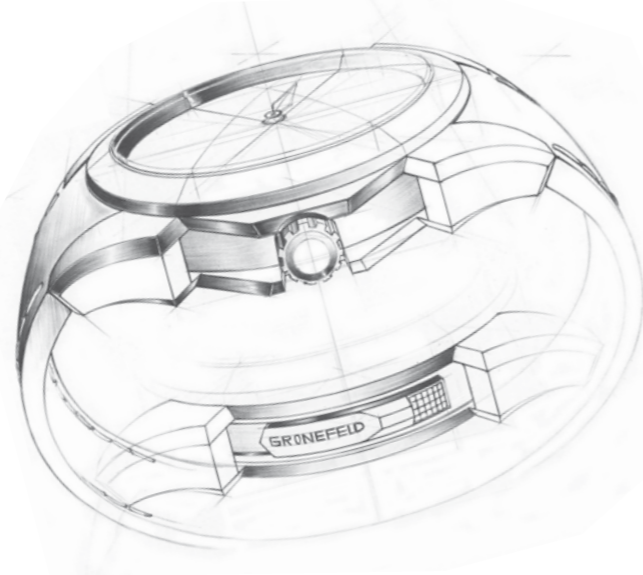
History



The chiming wristwatch, the most complicated wristwatch ever created in The Netherlands history, is a so-called tourbillon with a minute repeater mechanism, able to sound the exact time on tiny gongs held within its case. In the world of horology this type of wristwatch represents the watchmaker's Mount Everest in terms of the difficulties it contains, requiring more than 6 months of careful construction, assembly and regulation before completion.

With its musical nature, utilizing miniature hammers and cathedral gongs to chime the hours, quarters and minutes as requested by the user, in combination with a tourbillon regulating device, the Grönefeld tourbillon minute repeater makes mechanical demands on watchmakers that go far beyond the majority of watches on offer today.

Only a handful of watchmakers in the world, either inside or outside of Switzerland, are able to deal with horological creations comprising this type of extreme complexity. Their company is also the very first and only one in Holland's history able to offer a Grand Complication wristwatch of this extreme mechanical intricacy.



Creation





GTM-06

Detail

The watch differs from other repeater wristwatches in a number of details. This is first and foremost a man's repeater wristwatch, as one can see in its full bodied and forceful lines. But there is also an acoustic reason behind this design aspect, as the case volume allows the gongs to develop a full and pure sound.

The lugs, which also convey the full outlines of the case to the special galuchat strap, appear to be straightforward but they are not. Using specially developed micro-machining techniques invisible from the exterior, the lugs are specially channeled in order to allow the resonance of the case not to be dampened by their mass. This is the result of experiments and vast experience that both Tim and Bart developed in the course of years of work on minute repeater mechanisms, as well as careful listening and tuning of the sounds the minute gongs produce. The GTM-06 also utilizes a Cathedral type gong that has a longer winding within the confines of the case, thus providing the fullest possible tone achievable.



Modern

The center of the dial is formed by the beautifully finished movement itself, decorated with Geneva stripes, perlage, anglage and perfectly polished screws, hands, and indexes. Black polish, the most impossibly demanding and difficult 'dark art' of fine finishing found only in the most expensive watches, is used extensively throughout the movement. Even those areas never to be seen by the user are given exquisite finishing on a level that has become increasingly rare in the world of haute horlogerie today. The modern styled chapter ring of black onyx is adorned with highly polished hour indexes that catch the light at every angle to provide a subtle and discrete view of the time. Only the fine finishing of the parts before assembly starts takes more than two months of intensive work in several stages to complete.

The first watches will be available with 18 carat rose gold cases, and shortly after in 950 platinum during the first year.





Scope of delivery

The Grönefeld GTM-06 is delivered in an ultra high-end presentation box of unparalleled quality and design. The hand finished, black piano lacquer box contains two shelves, the uppermost a leather-lined tray with the watch, a comprehensive leather-bound instruction book, handcrafted ebony eye glass, guarantee certificate and space for cuff links or other accoutrements. Below is a special, ventilated wooden tray for cigars. Another level lower, one pushes on the engraved aircraft aluminum inlay with Grönefeld logo, and a secret drawer appears containing a Davidoff (Dupont) black lacquer gas lighter and two cigar cutters.

Servicing and guarantee

Tim and Bart Grönefeld are the owners of QWS Netherlands BV. Quality Watch Service is a long standing (more than 10 years) and official repair center for a large number of major name watch brands. With 14 full time watchmakers in employ, the Grönefeld brand is therefore able to guarantee and offer fast, highly expert repair and support to every Grönefeld wristwatch they produce, now and in years to come. The GTM-06 Tourbillon Minute Repeater wristwatch is available in a strictly limited edition of ten pieces in 18 carat 4N gold and ten in 950 platinum.



Quality

Technical Specifications

Grönefeld GTM-06

Mechanical hand-wound movement, Caliber G-01

One minute Tourbillon

Minute Repeater

Technical Specifications Caliber G-01

Movement dimensions	Diameter: 28 mm Thickness: 9.2 mm
Number of parts	Complete movement: 385 parts
Number of jewels	41 jewels
Power reserve	48 hours
Balance wheel	Glucydur with timing screws (11 mm diameter)
Frequency	18'000 vibrations/hour (2.5 Hz)
Balance spring	Breguet overcoil spring
Main Plate	Spotted and snailed rhodium plated nickel silver
Bridges	Nickel silver hand beveled, Geneva stripes, the underneath spotted Hand engraved gold plated "G" logo on the barrel bridge
Tourbillon	One minute Tourbillon (one revolution every minute) Total weight of the cage 0.420 grams Black polish and hand beveled on all steel parts Fine regulator on yellow gold engraved indicator Swiss lever escapement
Repeater	Classical mechanism of the minute repeater mechanism Mechanism is visible through the transparent case back "Surprise"- and "all or nothing" mechanisms Two black polished steel hammers striking on Cathedral gongs (extra long gongs)

Casing specifications

Case	4N rose Gold or 950 Platinum Limited Edition of 10 pieces each Sapphire crystal on the front is slightly domed coated on the inside Sapphire crystal on the back is flat with coating on the inside Hand engraved case back White Gold security screws Polished bezel and centre band with hand-finished straight graining Special channeled lugs to improve the sound of the minute repeater
Case dimensions	Diameter: 44 mm Thickness: 15.1 mm
Water resistance	Humidity resistant, 2 atmospheres – 20 meters – 65.6 feet
Crown	Gold or platinum, engraved with "G" logo
Dial	Open hour- minutes chapter ring made of natural black onyx Internal bezel in white or rose gold printed with minute tracks Grönefeld printed on the onyx Polished white- or rose gold indexes
Hands	Hours and minutes made in rose gold or white gold with black nickel plating
Strap	Hand-sewn mat black, alligator leather with rose- or white gold triple folding buckle, engraved with the Grönefeld logo

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