

**BLACK HOLE
TOURBILLON**



A FUTURE NOT SO FAR AWAY





ANTICIPATION IS A PERSONALITY TRAIT WE ALL SHARE

Among the most fascinating discoveries of humanity, proving the existence of black holes has changed our perception of the world. When we question our perception of spatial and temporal dimensions, our fundamental reference lines evolve.

In addition to contributing to the research and improvement of our technologies, these discoveries have freed the imagination of several generations.

They have allowed authors from all over the world to project us into a multitude of futuristic scenarios.

We were born and raised with the dreams of this science fiction.

At Vanguard, it is a careful thought about the future that stimulates our creativity. Our first work, the Black Hole Tourbillon, is the starting point of our fiction.



— BLACK HOLE TOURBILLON

The result of this unbridled creativity is the birth of pioneering mechanical objects, inspired by science fiction, and inspiring by their originality and ingenuity.

The Black Hole Tourbillon is the first achievement of the challenge we set ourselves: to realize our most extraordinary ideas, to bend the rules and to defy the boundaries of the possible.





— THE AUTOMATONS OF THE FUTURE

Time reveals its relative nature when approaching black holes: it seems to flow more or less quickly depending on our point of view and loses its universal character.

Giving shape to the gravitational waves and the curvature of the spacetime is the architectural concept of the Black Hole watch.

The whole mechanism seems to collapse under an intense force of attraction. In its center levitates our Flying Tourbillon.

Our mechanism offers its wearer the opportunity to admire this vortex in motion, to contemplate the dance of time, to play with it as if it had no control over it.



BEING AT THE AVANT-GARDE
MEANS DEFINING TODAY A
SPACE FOR TOMORROW





A SIMPLIFICATION ERA

The JOYSTICK, designed in-house, allows for a more intuitive control of time. Engage it in one direction and it runs continuously. Engage it in the other direction and time flows back.

For us, this new feature is more than a technological patent, it embodies our vision for future Vanguard creations.

We design complications, but what you interact with is a simplification.



// VANGUARD //



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>> A CHALLENGE IS BORN <<



— THE SYMBIOSIS OF KNOW-HOW



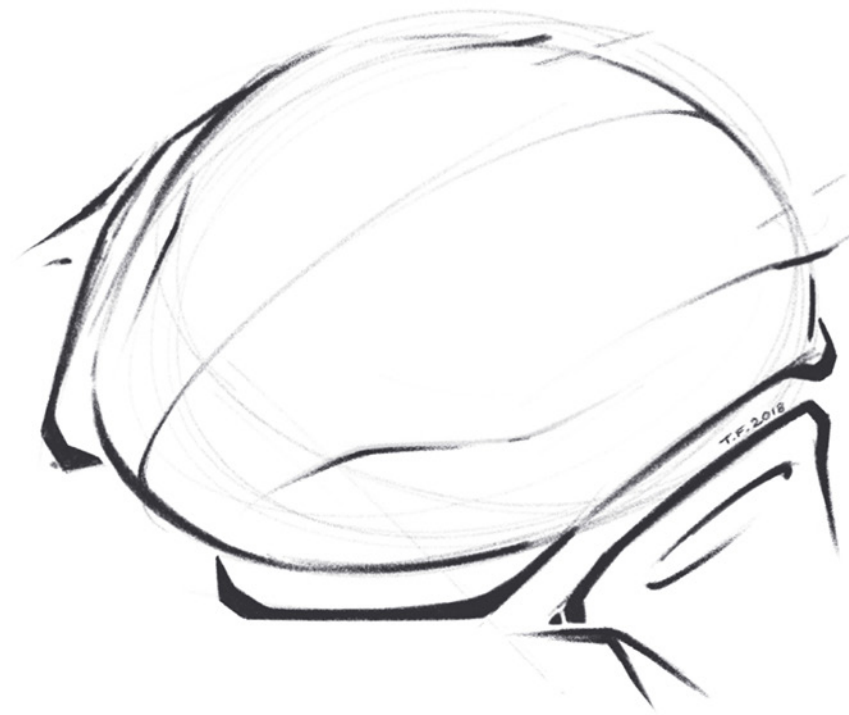
The bold architecture of our first caliber is another example of our signature.

We wanted to imprison a black hole in an unconventional horological objet d'art. We let our creativity run wild to realize our vision with precision.

Because each parameter influences the entire aesthetic, the design of the movement and of the case were part of one single process from the very first drawings.

Only after a hundred or so iterations did we achieve a perfect result, in which form and function are self-integrating in total harmony.

The Blackhole caliber is housed in an envelope designed like a skin: it embraces all the possible space. Each element has been worked on to optimize the use of materials and maximize the visual impact of our formal expression.



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— // T-1701 //
BLACK HOLE CALIBRE

- Proprietary mechanical movement with manual winding
- Proprietary automaton with a unique architecture
- 4 complications, 1 simplification
- 2 years of development.



SPECIFICATIONS :

- 1** - 3Hz flying tourbillon
 - 2** - Time display on 3 co-axial discs, semi-instantaneous time scrolling
 - 3** - Joystick to set the time. World first and patent pending
 - 4** - Reverse scroll indicator for countdown
 - 5** - Quick time correction and time zone function
 - 6** - Power reserve indication by roller
- 42 hours of useful power reserve
 - 775 components
 - Main plate and bridges in grade 5 titanium
 - Finishes: Microblasted, satin-finished, block-polished and hand-beveled

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EMOTIONAL ENGINEERING

We kept in mind the vision of an ergonomic and comfortable horological creation, in terms of size, weight, and shapes.

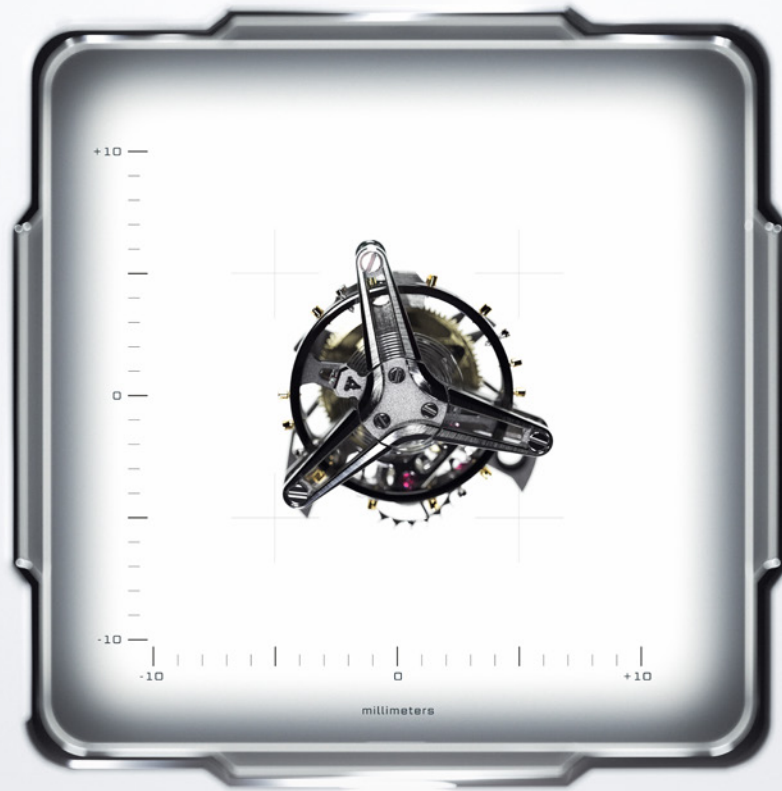
The product was assessed from the point of view of the wearer, but also from the point of view of the direct environment, apparel and materials in contact.

No limits were imposed on the modeling, as we chose to make optimal use of the most advanced technologies.

Subject-matter experts were called upon to guarantee the quality of the manufacturing of all components, whether metallic, mineral or synthetic.

A particular care has been given to the hand-made finishes.

To sublimate the curves of such a piece, we have mobilized all the watchmaking know-how.



A

A

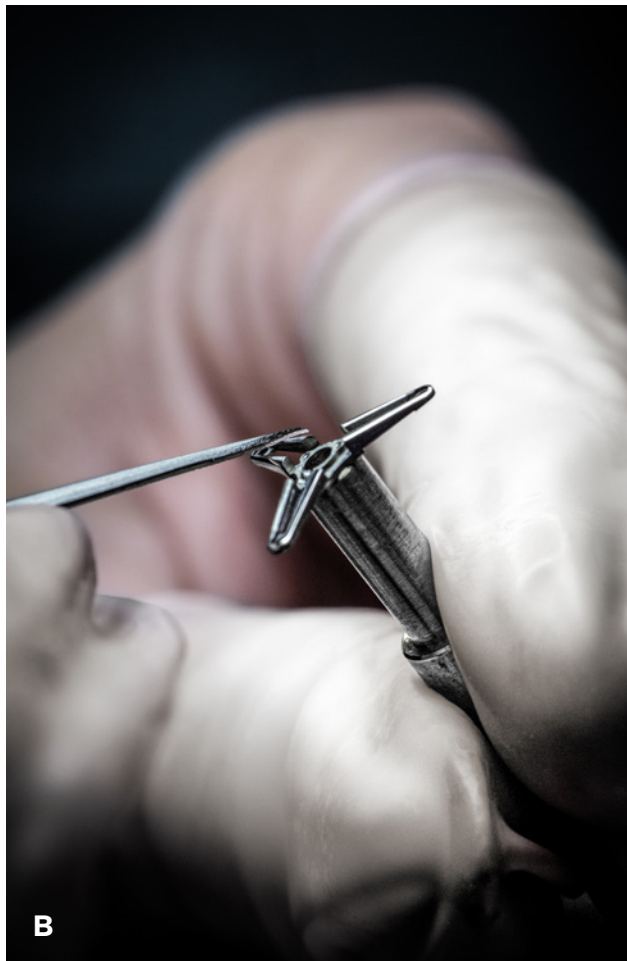
Our in-house designed flying tourbillon // 88 components // 0.225 grams // Titanium grade 5 // entirely hand decorated

B

Upper bridge of the tourbillon cage // decoration process // 12.55mm in diameter // Titanium grade 5

C

The exoskeleton // machining process // Titanium grade 5



B



C

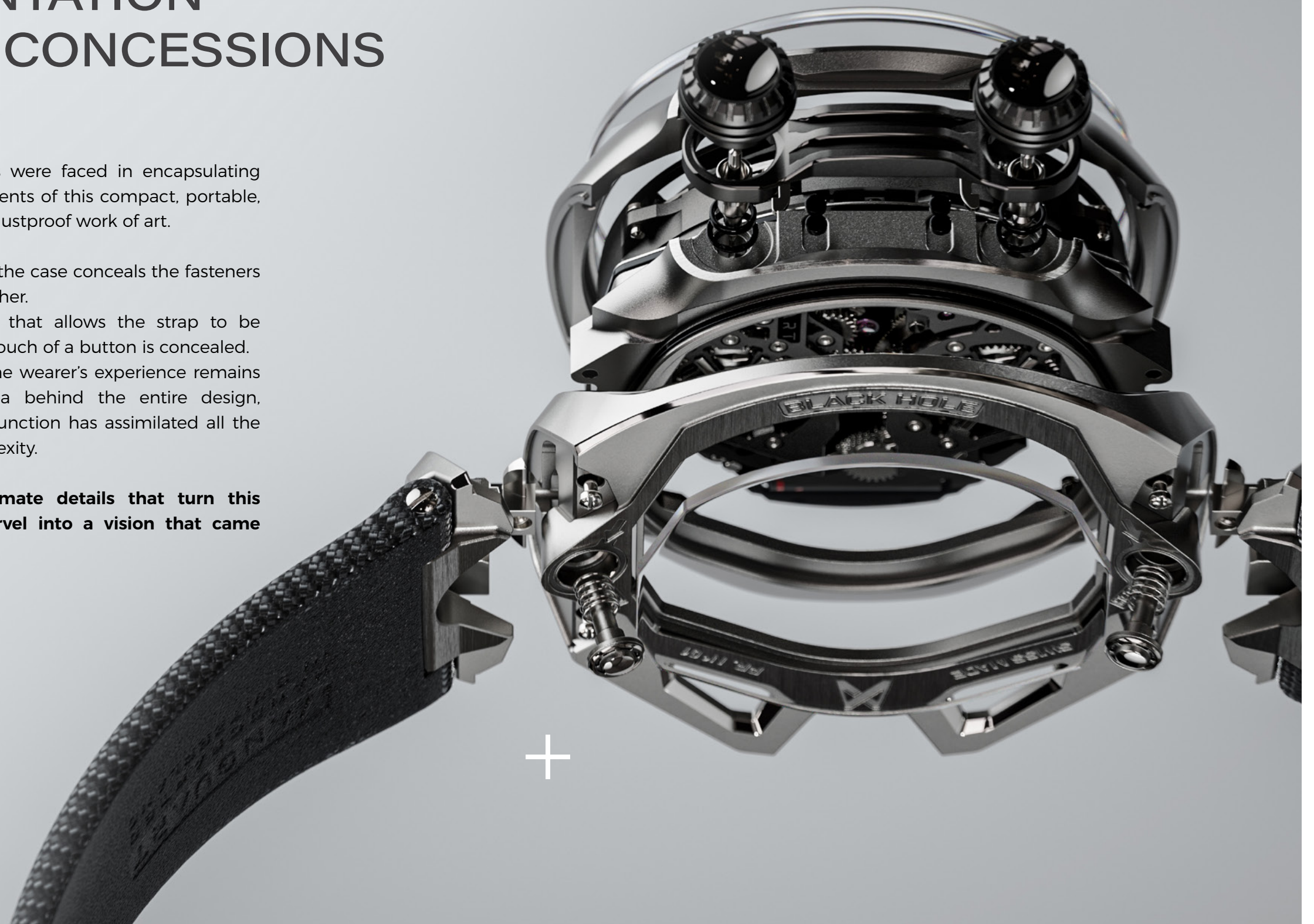
— IMPLEMENTATION WITHOUT CONCESSIONS

Major challenges were faced in encapsulating the 775 components of this compact, portable, waterproof and dustproof work of art.

The assembly of the case conceals the fasteners that hold it together.

The mechanism that allows the strap to be changed at the touch of a button is concealed. To ensure that the wearer's experience remains the guiding idea behind the entire design, each form and function has assimilated all the necessary complexity.

It is these ultimate details that turn this mechanical marvel into a vision that came from elsewhere.





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>> A CHALLENGE IS BORN <<



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WHAT YOU IMAGINE
BEYOND THE VISIBLE...

COMES FROM THE FUTURE





BLACK HOLE TOURBILLON

LIMITED EDITION
2021-2022

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VANGUARD



TITANIUM
LIMITED TO 8 PIECES

- Case in titanium grade 5 // 80 grams.
Microblasted exoskeleton with polished bevels // Microblasted fuselage
- Dial in titanium grade 5 // Anthracite PVD // Hand painted indications
- Presented on a anthracite rubber strap
- Movement in titanium grade 5 // Black PVD // Microblasted finish // Handmade polished bevels and satins



ROSE GOLD
LIMITED TO 8 PIECES

- Case in rose gold // 173 grams.
Microblasted exoskeleton with polished bevels // Polished fuselage
- Dial in titanium grade 5 // Silver PVD // Hand painted indications
- Presented on a white rubber strap
- Movement in titanium grade 5 // Gold and silver PVD // Microblasted finish // Handmade polished bevels and satins



PLATINUM
LIMITED TO 8 PIECES

- Case in platinum // 184 grams.
Microblasted exoskeleton with polished bevels // Polished fuselage
- Dial in titanium grade 5 // Silver PVD // Hand painted indications
- Presented on a white rubber strap
- Movement in titanium grade 5 // Microblasted finish // Microblasted finish // Handmade polished bevels and satins

