

  
LOUIS MOINET  
1806



  
GPHG  
GRAND PRIX D'HORLOGERIE DE GENÈVE  
— 2021 —  
OFFICIAL  
NOMINATION

SPACE REVOLUTION  
2021 EDITION



# SPACE REVOLUTION



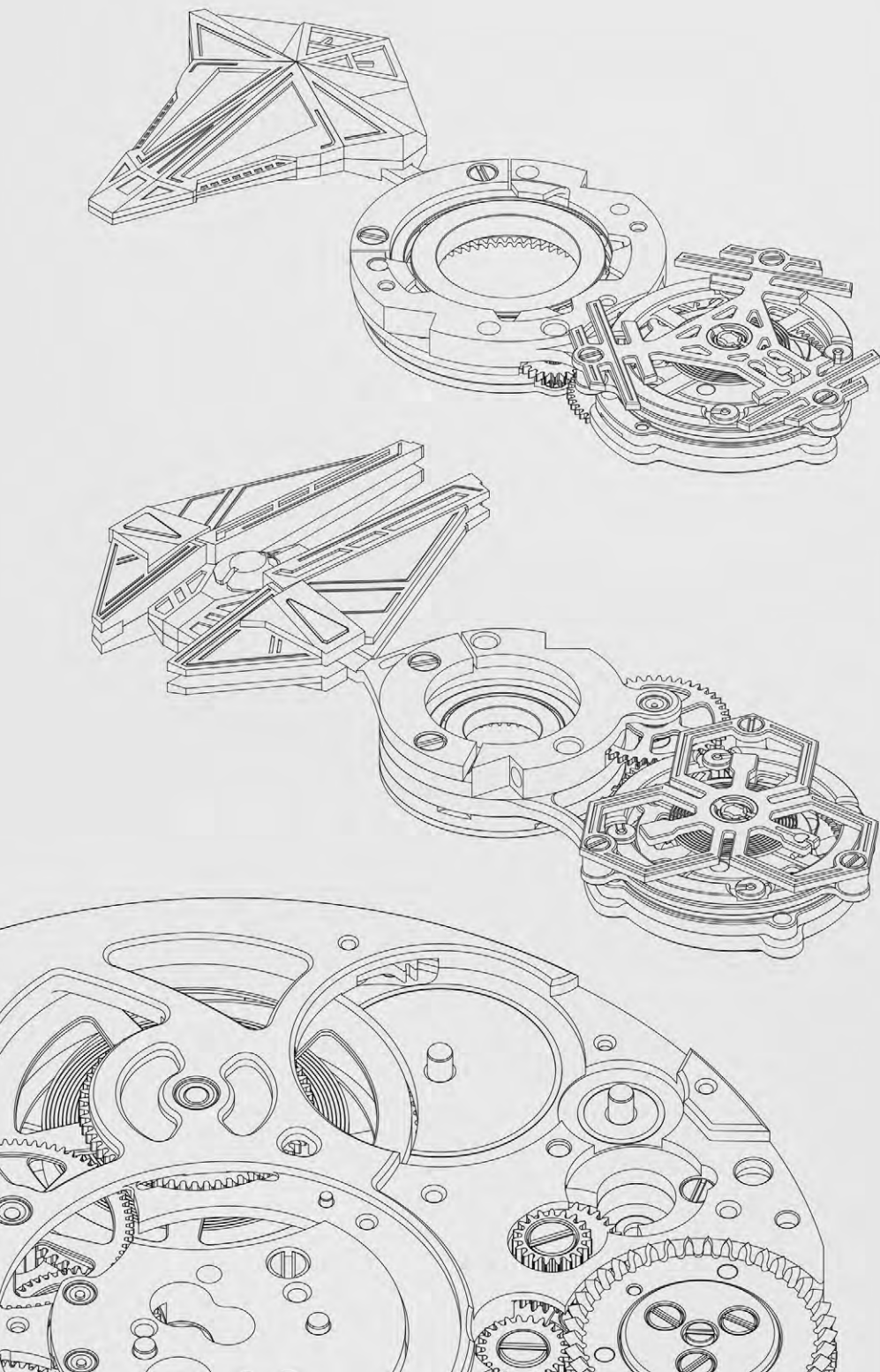
We are delighted to share with you  
the story of how SPACE REVOLUTION was born.



This particular copy was created for







## SPIRIT OF THE CREATION

The two Louis Moinet pillars are "Mechanical Wonders" and "Cosmic Art". The idea is to push existing limits, like Louis Moinet back in his time.

The mechanism required over three years of research.

In light of its extraordinary characteristics, its construction was initially deemed impossible and is now one of the most sophisticated of its kind, making the SPACE REVOLUTION one of the most important superwatches of the decade.

SPACE REVOLUTION features a new technology:  
two tourbillons whirling at high speed in opposite directions.







*Two tourbillons are rotating at high speed in opposite directions.  
The first one revolves around the dial in five minutes (clockwise), and the other in ten minutes (counter-clockwise).*

## TECHNOLOGY ENABLES A TRUE FEAT

A captivating animation unfolds before your eyes. Six elements are in motion: two spaceships and two satellite tourbillons rotating around the dial, as well as the two tourbillon cages – each spinning on its own axis.

Two tourbillons are rotating at high speed in opposite directions. They cross paths 18 times/hour (i.e. every three minutes and twenty seconds) and are built on two levels.



43 mm case diameter

WHAT TECHNIQUE WAS USED  
TO PUSH EXISTING LIMITS?

**More accurate than a tourbillon.**

Two oscillators with a differential gear mechanism

**Perfect rotation and poising of the rotating  
elements.**

5 ball-bearings with 7 ceramic balls

1 ball-bearing with 9 ceramic balls

**Two barrels.**

Each supplying energy to a tourbillon

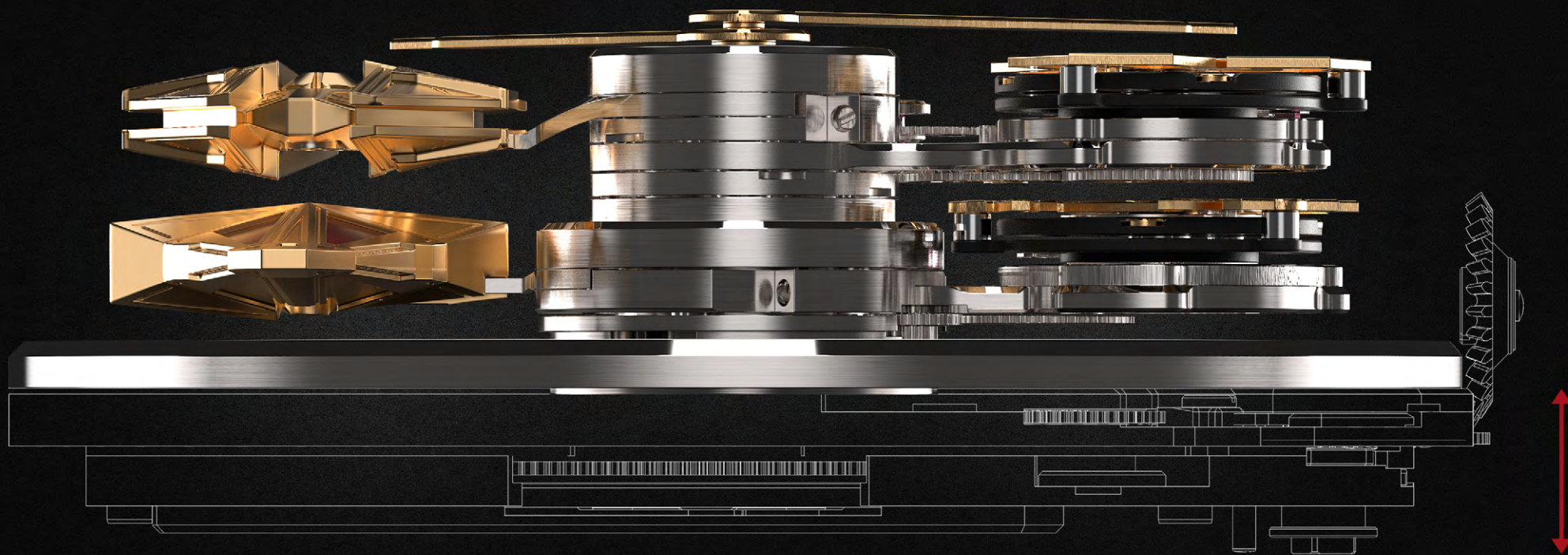
**Ultra-complex mechanism.**

470 components

**Virtuoso assembly process.**

Only one movement per month





*Ultra slim mechanism: 3.75 mm thick*

## MYSTERIOUS MECHANISM

The mechanism is hidden in the base of the chassis, measuring a mere 3.75 mm thick.

The central column transmits orders to the tourbillons, spaceships and hands.

The advantage of this construction is to leave plenty of space so as to highlight the magic of the show being staged.



*From the original block to final polishing, more than eight handcrafted steps are required to prepare it for appearing at its best advantage.*

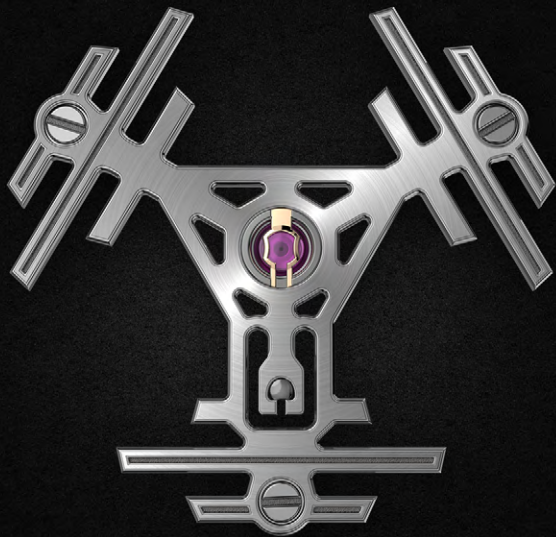
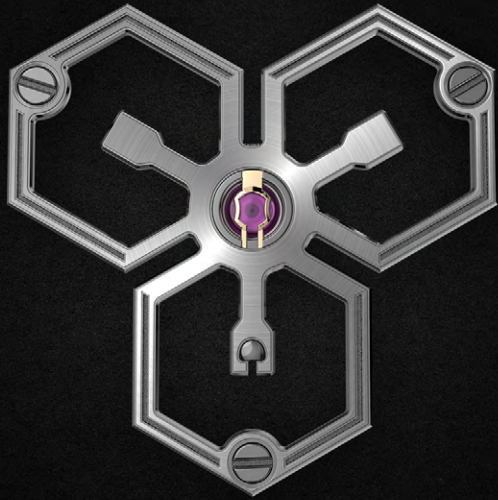
## AVENTURINE

Aventurine brilliantly evokes the starlit sky. Its origin dates back to the 17<sup>th</sup> century, in Murano.

Its secret? Particles resembling gold flakes are inserted into molten blown glass.

SPACE REVOLUTION features an aventurine dial of exceptional quality. It was acquired more than 50 years ago by the father of Daniel Haas, our partner in extraordinary gems. From the original block to final polishing, more than eight handcrafted steps are required to prepare it for appearing at its best advantage.





## SPECTACULAR TOURBILLONS

The tourbillon cages are hexagonal and geometrically shaped.

Each cage weighs only 0.24 grams, in order to guarantee suitable speed through fine poising.

*Each cage performs one rotation per minute and requires perfect poising.*



## INTERGALACTIC SPACESHIPS

The science-fiction inspired spaceships are made of high-tech titanium.

Titanium is ultra light. This lightness is essential for a very high-speed revolution: a complete turn of the dial takes five minutes for **BLACK FORCE**, and ten minutes for **RED FORCE**.

Why such a fast speed? It gives life to a playful show, in perpetual motion.

The spaceship serves a technical function, acting as a counterweight to the opposite tourbillon.

The finishing is hand-crafted and the vibrancy of the red and black colours stems from an applied lacquer.



**RED FORCE**



**BLACK FORCE**

*A spaceship weighs 0.5 grams, barely more than a bird feather...*



## EXTRATERRESTRIAL FRAGMENTS

THESE METEORITES, THE RAREST IN THE WORLD,  
TESTIFY TO A HIGHLY EXCLUSIVE NATURE.



### LUNAR METEORITE

The lunar meteorite is one of the rarest. To date, less than 400 lunar meteorites have been identified in the world.



### MARTIAN METEORITE

The Martian meteorite is one of the rarest. To date, fewer than 300 Martian meteorites have been identified in the world.  
The price per gram is higher than gold and platinum combined.



### ALLENDE METEORITE

The oldest known material in the solar system. Its age is estimated at 4.567 billion years old - making it older than the Earth itself.



### ERG CHECH METEORITE

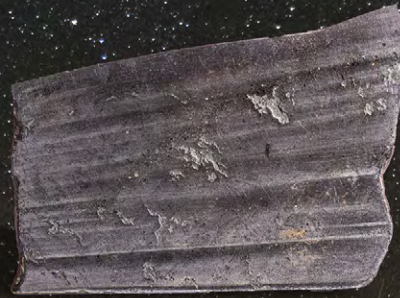
This exceptional meteorite is older than the earth. It is estimated to date back 4.566 billion years.





### JBILET WINSELWAN METEORITE

This mysterious meteorite contains traces of amino acids, potentially the very first trace of known life in the cosmos.



### ISHEYEVO METEORITE

Isheyevo, found in Russia in 2003, is a carbonaceous chondrite meteorite containing a beautiful sequence of fine layers.



### GIBEON METEORITE

This iron meteorite was found in Namibia. It displays an extraterrestrial motif: the exceptional Widmanstätten pattern.



### ARMANTY METEORITE

This meteorite, composed of a natural and extraterrestrial ferronickel alloy, comes from the heart of an asteroid measuring more than 100 km in diameter. It was discovered in recent years in China.





*A lighter case: 9.33 grams of sapphire and 60.11 grams of gold*

## FEEL LIGHT

Maximal transparency enables one to admire a unique show.

The technical construction of the case is unusual:

- > a sapphire container mounted on an 18K gold chassis
- > openworked lugs and case middle
- > a sapphire dome and welded inner bezel ring





## ORIGINAL TIME-SETTING

A selector placed on the case-back features two distinct positions for time-setting and winding.

The crown is no longer pulled out and is used to either set the hands or to wind the mechanism.



# A THEMED PRESENTATION BOX

A themed presentation box for an original creation.

The fastening system faithfully reproduces  
BLACK FORCE and stems from complex modelling  
and a painstaking production process.

The sphere is coated with a material immersing us into  
the graphic universe of meteorites.





## A FEW FIGURES

**0.24 grams.** The weight of a tourbillon cage

**0.5 grams.** The weight of a spaceship

**2** oscillators with a differential gear mechanism

**3** years of development

**8** limited-edition watches

**18.** The number of times per hour that the spaceships cross paths

**43 mm.** Case diameter

**44** ceramic balls

**470** components: the mechanism

**300,000 km/sec.** The speed of light, indicated instead of the minutes.

In 5 minutes, it travels 90 million kilometres.

In 10 minutes, it travels 180 million kilometres ...

At this speed, a journey from the Earth to the Moon would take just over a second, and Mars would be 3 to 22 minutes away, depending on its orbital position.



*Light travels at a speed equivalent to 7.5 laps of the Earth per second.*





LOUIS MOINET  
1806

THANK YOU FOR YOUR ATTENTION



INVENTOR OF THE CHRONOGRAPH