

## **HYT unveils an exceptional creation: the spectacular ‘Conical Tourbillon Infinity Diamonds’**

***533 components, 575 diamonds –  
The union of snow-set and traditional gem-setting:  
A visually stunning mechanical and aesthetic spectacle  
That takes one's breath away.***

***This latest creation showcases an extraordinary array of skills:  
A masterful blend of horological prowess, scientific innovation,  
and jeweler's elegance, resulting in a dazzling  
timekeeping masterpiece.***

### ***Unique Piece***

Today marks a significant chapter in HYT's history with the unveiling of an exceptional timepiece. This breathtaking creation is the result of an incredible collaborative effort by numerous experts with diverse skills, united to bring to life a unique and extraordinary interpretation of the renowned HYT central tourbillon: the Conical Tourbillon Infinity Diamonds.

As captivating as it is complex, the unique *HYT Conical Tourbillon Infinity Diamonds* combines a dazzling snow-set diamond pavé with the intricacy of a conical tourbillon powered by HYT's exclusive hydro-mechanical technology. This timepiece expresses the most precious and meticulous aspects of hydro-mechanical horology through a singular vision.

As a pioneer of fluid mechanics watchmaking, HYT continues redefining the standards of modern haute horlogerie with its unique style and distinctive character. The new *HYT Conical Tourbillon Infinity Diamonds* represents the most jeweled expression of this approach, standing out with a highly sophisticated complex mechanism and exceptional aesthetics.

At the heart of its dial, the fluid hour display and romantic dance of the conical tourbillon come alive, adorned with three 64-facet round brilliant-cut diamonds. The dial gleams with 400 snow-set diamonds, while the upper case is adorned with an additional 175 snow-set diamonds. Over three months of meticulous handwork, employing traditional methods, were required to set the 575 diamonds in approximately ten different sizes.

On the wrist, the *HYT Conical Tourbillon Infinity Diamonds* showcases HYT's complete watchmaking expertise. Every detail, from the refined finishings of the 701 TC caliber to the intricately set snow diamonds, makes this piece stunning and attests to the level of excellence in HYT's creations. The conical tourbillon is elevated as it animates at the heart of the mechanics, with its spiral balance inclined at 30 degrees, escape wheel offset at 15 degrees, and anchor at 23 degrees.

This feat of engineering draws inspiration from the audacious technique pioneered by German watchmaker Walter Prendel, who developed the inclined balance wheel tourbillon initially positioned at 6 o'clock. Working in his workshops in Groitzsch, a small town in Saxony renowned, like Switzerland, for its high-end watchmaking, Prendel aimed to validate his research based on master watchmaker Alfred Helwig's theories. Helwig's work focused on improving the stability and regularity of the oblique tourbillon, with the balance-spring assembly inclined 30 degrees from the horizontal.

Given its commitment to contemporary haute horlogerie, HYT naturally integrated a tourbillon into this new watch creation. At the heart of this horological masterpiece, the tourbillon completes a full clockwise rotation every 30 seconds. Its graceful motion, marked by spheres of varying sizes, creates a breathtaking visual spectacle. Each diamond, each movement, embodies balance, elegance, and precision. The impeccable finish, from angled bridges to polished countersinks, underscores the degree of perfection achieved by the whole.

Set around the periphery of the tourbillon, three 64-facet diamonds measuring approximately 2.5mm each amplify the vibrant essence of this visual spectacle, accentuating the subtle airy sound hinted at by the tourbillon. These diamonds rotate harmoniously at different speeds - the first completing 4 rotations per minute, the second 5 rotations per minute, and the third 6 rotations per minute. Each unique diamond is paired with a 5N rose gold counterweight.

The brilliance of this timepiece is elevated by finishes in the purest Swiss haute horlogerie tradition - a titanium tourbillon cage adorned with angled, stretched, polished, and satin-brushed bridges, alongside polished countersinks and six spheres measuring 1.5mm in diameter (four in 5N rose gold and two in titanium). The technical efficiency of the conical tourbillon allows it to seamlessly animate the dissociated rotations of its spheres.

The assembly comprises 533 components, with the tourbillon cage alone consisting of 159 components. Including the 39 dial components and 66 case pieces, *HYT Conical Tourbillon Infinity Diamonds* involves a total of 750 components, all assembled and verified individually, by hand. This exceptional tourbillon movement integrates a custom-designed black fluid module by HYT, housed in a 48mm bicolor case in 5N gold and black DLC-coated titanium. It is topped by a domed, glare-proofed sapphire crystal treated with multiple layers of an anti-reflective coating on both sides, enhancing the beauty of the piece.

*HYT Conical Tourbillon Infinity Diamonds* is a one-off, unique piece.

## About HYT

*Founded in 2012, Swiss independent watch brand HYT has pioneered an original and exclusive technology that combines a mechanical movement with a retrograde hour indication through a fluid that flows through a system of capillary tubes.*

*Just over ten years ago, HYT was born from the dream of integrating fluid dynamics into the time display of a mechanical watch. The young Swiss independent watchmaker has since embraced a distinct philosophy of the horological art, guided by the ambition to return to the ancient origins of time measurement, dating back thousands of years.*

*To achieve this, HYT developed advanced technology that harnesses the energy generated by the watch's movement to power the fluid mechanics for displaying time. The breakthrough, spearheaded by Lucien Vouillamoz, incorporates three critical components from the aerospace industry: a glass capillary tube with an internal diameter of 0.8 mm, a fluidic module that is 10,000 times more watertight than a watch rated for 100 meters underwater, and bellows that are a quarter the thickness of a human hair.*

*For over a decade, HYT has continually refined its systems and movements. The year 2024 marked a pivotal milestone as HYT entered a new phase of its journey, embracing a matured stance. Its timepieces, offered in limited series, are not only sophisticated and complex but also embody a form of hedonism. The brand's direction is clear: exclusivity without compromise.*

# TECHNICAL SPECIFICATIONS



MODEL

## HYT Conical Tourbillon Infinity Diamonds

REFERENCE: H03242-A

LIMITED EDITION: 1 PIECE

RECOMMENDED RETAIL PRICE: CHF 490'000 (hors taxes)

(IMAGE NOT CONTRACTUALLY BINDING)

### CASE

- Bicolor case – 5N gold and black DLC-coated titanium
- Case top snow-set with 175 diamonds
- 5N gold crown, black DLC coating
- Domed (box) sapphire crystal with antireflective treatment
- Black side grilles and frame in titanium, 5N gold coating
- Water-resistant to 30 m

### DIAL

- 5N gold, snow-set with 400 diamonds
- 3D appliques with black DLC coating, luminescent white numerals and logo (Super-Lumi-Nova® blocks)
- Borosilicate capillary tube with black fluid
- Matte black minute hand, white Super-LumiNova®

### MOVEMENT

- Reference: 701-TC (533 components)
- Type: Mechanical
- Frequency: 21,600 vph (3 Hz)
- Jewels: 61
- Winding: via winding tool
- Power reserve: at least 40 hours
- Finishes: High-end
- Coating: Black finish, rhodium-plating, and 5N gold

### FUNCTIONS

- Retrograde fluidic hour indication
- Central minute hand
- Tourbillon
- 'Chaotic' animation
- 3 diamonds with 3 counterweights in 5N gold (diameter: 1.5mm) ; in the tourbillon cage, 4 spheres in 5N gold (diameter: 1.5mm) and 2 titanium spheres (diameter:1.5mm)

### STRAP

- Black rubber strap
- Black topstitching

### BUCKLE

- Pin buckle
- Black DLC titanium
- Satin-brushed and sandblasted finishes

### DIMENSIONS

- Width: 48.00 mm
- Length: 52.30 mm
- Thickness: 25.15 mm