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HYT H3 MECHANICS REVEALED

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While the HYT H3 displays time using the unusual hydromechanics seen in its predecessors, the H1 and H2, this newest model presents the time in a linear fashion as opposed to the circular liquid displays of the earlier models. At the same time, the 62mm-by-41mm H3 diverts a portion of the energy from the liquid system to power a portion of the movement.



"We are entering in to a real world of innovation in the watch industry by mixing liquids and mechanics not just to display time but to actually use the liquid to do something or improve the movement," explains Vincent Perriard, CEO of HYT.


HYT PRESS REVIEW

http://www.hytwatches.com/PressReview

Lecteur

To fully understand this hydro mechanical masterpiece Perriard in the video below takes center stage, explaining HYT's beginnings and the complexities of the H3. Watch, listen and learn.


HYT H3 Mechanics Revealed



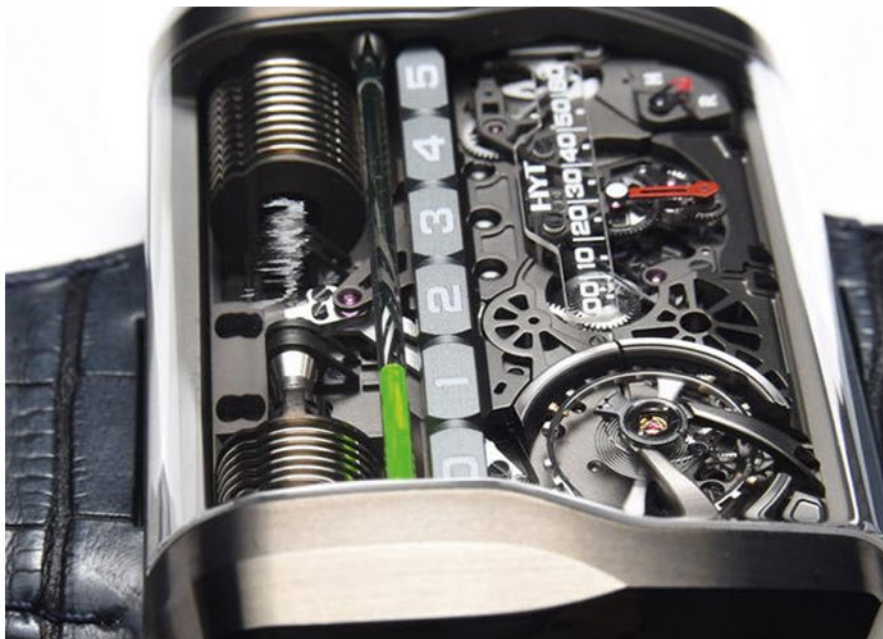
The HYT H3

The platform for the H3 is designed out of titanium and platinum wrapped with a sapphire crystal. This places the dynamic architecture of the complete caliber on full display.

The two bellows mechanisms located on in the top right and left corners of the 16mm high case are responsible for driving the liquid through the capillary, a tiny tube measuring 1mm in diameter. This capillary is filled with two types of liquid. One is yellow-colored and water-based while the other is translucent and is viscous. Together they create a meniscus – a line in the liquid if you will – to identify the time along the rotating cubes.



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Each of the six cubes has four faces, which semi-instantaneously flip every six-hour period to display time all day. This feat of engineering is powered by the energy stored in the bellows from the liquid retrograde movement, which occurs in conjunction with the rotation of the cubes. In the same fashion, the minutes are displayed in a line form, appearing almost as a graduated ruler showing ten-second intervals from zero to sixty. The minutes feature uses an articulating arm once in sixty seconds and completes as the retrograde function engages.

This mind-boggling movement was created exclusive for HYT by Audemars Piguet Renaud & Papi, which also had a hand in the HYT H2. It has an eight-day power reserve (thanks to the double barrels) and can be set with ease due to the push button on the left hand side. The collection is limited to 25 pieces.