



# HYT

## HYDRO MECHANICAL HOROLOGISTS

Taking Hydro Mechanics to a Whole New Level

The first **HYT HI** watch was unveiled to the world at **BASELWORLD 2012** last year – amidst a lot of fanfare. Now, the second generation of this engineering marvel has arrived, the new **H2**, besides extension lines of the **H1**, including one in 18K rose gold. Earning its place in the realms of high-end watchmaking by turning utopia into reality, this year, **HYT** has continued its all-encompassing quest for hybridization with the **H2** watch. Bolstered by the enthusiastic response to the launch of its **H1** in 2012, **HYT** continued its immersion in the world of haute horlogerie and pushed the limits of hydro mechanics yet further with the launch of its **H2** at **BASELWORLD 2013**. The guiding principle behind this new concept is to further integrate fluidics into mechanical watchmaking. The perfect alliance between high-end watchmaking and fluid

mechanics, the **H2** was thus born out of a vision shared by the **Hydro Mechanical Horologists** and the **APRP Team (Audemars Piguet Renaud et Papi)** overseen by **Giulio Papi**. **Trade Post** takes a look at this exciting time creation revealed by **HYT** this year in **Basel**.



HYT H1

**Collection H2 – The New Tour de Force from HYT:** A multidimensional architecture indeed, the entire architecture of the hybrid movement of this timepiece has been redesigned. Deconstructed, it coexists, integrates, encloses the bellows, and the system of feelers, cams and pistons. In a **Hydro**

**Mechanical watch**, these are not just aesthetic elements, but rather key components. In fact, in the making of the **H2** watch, hybridization has been pushed to its absolute peak, and how? Firstly, by the position of the bellows, positioned at 6 o'clock in "V" and rising, which clearly evokes the most outstanding achievements of automotive and aeronautical engineering. This optimises the integration of the interface which connects the watch mechanisms with the fluidic system. Mirroring the pair of bellows, the balance spring presides at midday on its black bridge, the dome marking the rhythm of life in this unique world. Placed at 3 o'clock is a "H-N-R" crown position indicator, which brings to mind the gearstick of a racing car, and this is counterbalanced by the presence of another hand, which is also original and exclusive to **HYT**, a temperature indicator. Once the watch is being worn, this function enables the user to accurately find out when the fluid has reached the optimum temperature range. In the centre, a minute hand, designed in stages to perfectly fit the structure of the fluidic system, jumps after 30 minutes to avoid the bellows.

This piece boasts a black 48.8 mm diameter and 17.9 mm thick DLC titanium case with polished, microblasted and satin finishing and a domed sapphire crystal. The fluidic display on the **H2** is intuitive, the architecture transparent and the fully visible movement accentuates the three-dimensional depth which is characteristic of the brand. In terms of performance, the double barrel, visible through the back of the watch, offers an 8-day (192-hour) power reserve and the force required to orchestrate this mechanical feat. Cleverly using the visibility of the barrel spring, the power reserve is displayed in a truly innovative fashion via the openworked barrels.

The driving force behind the idea to introduce hydro

mechanical technology in 2012 was simple: Two flexible reservoirs with a capillary attached at each end. In one, an aqueous liquid containing fluorescein. In the other, a viscous transparent liquid. Keeping them apart is the repulsion force of the molecules in each fluid. At 6 o'clock, the two bellows, made from an incredibly strong and supple electro-deposited alloy, are moved by a piston. When the first is compressed, the other is extended, and vice versa, driving the movement of the fluids in the capillary. The meniscus, which marks the separation between the fluids in the tube, displays the time. When it reaches 6 pm, the fluorescent liquid returns to the original position using a retrograde movement.

More than a watch, **HYT's H2** watch is an incredibly exciting piece with a design ensuring its powerful, bold and assertive nature. Inspired and rebellious, the design imposes its own codes, underlining the extraordinary character and creativity this piece offers. Limited worldwide to 50 examples only, the **H2 (Reference: 248-DL-00-GF-RA)** timepiece, watertight to a depth of 50 metres, is powered by an exclusively crafted **Manufacture HYT** mechanical with manual winding calibre that beats at 21,600 VPH. Offered with a sapphire minute dial, the **H2** is worn on a rubberized anthracite alligator strap with a black DLC titanium pin buckle.



HYT H2



HYT HIEVO  
DDCHRYSOBERYL  
MUSH

HYT  
HIEVO  
RED2



Extreme alchemists, **HYT's Hydro-Mechanical Horologists** have turned utopia into reality – mixing mechanics and liquid within a wristwatch. While truly addicted to non-conformism, they have drawn upon the strictest codes in Fine Watchmaking – and felt entirely free to shatter them! By achieving the incredible challenge of indicating the time with water, they have not so much propelled a new UFO into the watchmaking stratosphere, as they have in fact pulverized all certainties by uniting two worlds that are supposedly diametrically opposed. Never since the water clocks of the pharaohs, have the laws of gravity been overcome to transpose this energy in a portable watch. But, **HYT** has done it. The leitmotif? Fluid mechanics, or the ultimate in hybrid technology. The formula? Avantgarde watchmaking developments, engineering pushed to its heights, high-tech materials, and a design that generates genuine emotions. **HYT's** first performance? The **H1**. A piece of Fine Watchmaking that single-handedly epitomises the brand's identity: an obsession with innovation, uncompromising execution and an intransigent approach to quality. The product is quite clearly the consistent core concern for **HYT**. A "time object" that provides intuitive readings, well off the beaten track. High-flying mechanics that bear testimony to a completely new approach. Bold architecture, leaving nothing to chance. Each element is wisely thought-through, and patiently built. Inspired and rebellious, the design imposes its codes, emphasising the exceptional temperament and creativity of the overall result. An authentic innovation incubator, **HYT's** hydro-mechanical engineering lab of genius continues its quest for the absolute in the realm of hybrid development, and led today by none other than an industry veteran himself, the brand's CEO, **Vincent Perriard**, **HYT's H1** takes the brand resolutely forward, into the legend of Fine Watchmaking.