



## HYT HIGH-TECH RECONSTRUCTION

HYT provides perhaps the best example of crossover between watchmaking 'science' and the sciences proper. This watchmaking start-up, which went public with its first timepiece just three years ago, has pioneered a fluid-based system to create unique watches that demonstrate conclusively that revolutions are never so radical as when they originate from outside watchmaking!

Never, since the time of the ancient *clepsydrae*, had it occurred to anyone to tell the time using water... Until the arrival of HYT's alchemists and their handless hydro-mechanical timepieces, which exploit the enormous potential of nanotechnology to create watches with a futuristic, radical and provocative design. The brand smashes taboos and opens the door to any number of revolutionary concepts that are the product of out-of-the-box thinking. Micro-fluid technology has a bright future ahead, not only in watchmaking, but also in medicine, the automobile industry and cosmetics. (SM) ■

“ We started with a blank page and we capitalised on our fluids experience to create something entirely new. With the H3, we are deconstructing time and reconstructing it around its founding principle: two bellows injecting a capillary with fluid which moves to display the time. Placing the bellows in opposition was something that really posed a challenge. They are coupled by a mechanical assembly (comprising a spindle, sensor and thermal compensator), and fitting this between the bellows was a very delicate operation.

*We have succeeded in creating a timepiece with a highly complex architecture. In the conventional sense, there is no midday and there are no hands. One of the main challenges lay in machining the case and the sapphire crystal. When it came to the movement, one of the most delicate steps in creating the H3 involved recovering the energy provided in the retrograde movement, which then powered the semi-instantaneous rotation of the watch's dial.” Vincent Perriard*

▽ Functions: retrograde fluidic hours, retrograde minute indicator, crown position indicator (T-N-W), power reserve indicator (on back), push-button for hour rotation. Movement: mechanical with manual winding, exclusive HYT calibre. Series limited to 25 pieces.



H3