



From 6 static positions to 32,400 *dynamic* positions

Historically, watchmakers tested and adjusted the chronometric precision of mechanical movements using acoustic measuring devices in six static positions – two horizontal and four vertical – in order to compensate for the effect of Earth's gravity on the regulating system.

Six static positions are no longer sufficient. Why? Because it is simply not representative of the actual wear of a watch which, as we know, evolves in a dynamic three-dimensional environment with complex and varied disturbances. The Accuracy Motion developed from this observation and from H2i's desire to offer watch brands a tool that is capable of doing more and doing better, using contemporary and adapted technology.

accuracy motion
swiss made

Pushing the technological limits of a product requires rethinking the classic engineering from the early stages of its development. By equipping the Accuracy Motion with direct control with an inertial measurement unit and strain wave gear (better known as of Harmonic Drive®), the product is more similar to aerospace technology than to standard industry technology.

And the result is remarkable: The Accuracy Motion can be controlled without any backlash – not in six static positions, but degree by degree, in 32,400 positions ($90^\circ \times 360^\circ$) – and in addition, it allows speed control ranging from one rotation per minute to more than fifteen rotations per minute.

These features offer new possibilities for manufacturers, who will create new test and control processes as they see fit, thus promoting optimal chronometric quality of their watches before they are put on the market.

A smartwatch at the service of the watch industry



If the range of possibilities seems limitless, the most demonstrative feature is undoubtedly the ability to faithfully reproduce on the Accuracy Motion, in real or delayed time, the actual range positions of a smartwatch during an activity with the watch worn on the wrist. This is a perfect demonstration of the use of a smartwatch at the service of the watch industry...

ONEOF® Accuracy Motion

Windows & iOS compatible

Spring 2021 release

www.h2i.ch

www.one-of.com

