Until recently, the incredibly dense and rare precious metal osmium was only known by its appearance on the periodic table during chemistry lessons. The distribution of osmium on global markets was almost non-existent. Being the “fifth” precious metal, osmium is today a hot tip in the jewellery and investment spheres.

Today, osmium is fast becoming one of the most valuable metals in the jewellery market due to its unique properties.

**What’s with OSMIUM?**

### The Osmium Story

In Russia and Switzerland a few decades ago, two enthusiastic researchers with a background in chemistry and metallurgy set themselves the task of crystallizing precious metals that did not exist in chemistry that had never been achieved before. As is often the case in scientific circles, two individuals were simultaneously tackling the same task often without knowledge of the other.

Eventually, progress stalled for both researchers. To remedy this, they consulted the internet—i.e., back in those days, the web was a fledgling page and became acquainted. During their first meeting, it became apparent that a cooperation of effort would be mutually beneficial. Soon after, and not without encountering considerable bureaucratic hurdles, the Russian partner moved to Switzerland to continue his work under improved conditions. Together, the two men worked obsessively on the idea of crystallizing which would bring metals into a form that seemed at first glance to be of no natural origin, but in reality was the result of an incredibly complex process.

The crystallisation of precious metals is somewhat comparable with the simulation of diamond, which also occurs under extremely high pressures and temperatures. However, the growth of crystals from the gas phase is much more complex and, above all, due to the high pressures in the supply lines. In fact, the first men once had an explosion in their lab and it was only a matter of luck that there were no serious consequences.

One of their first insights revealed that precious metals grown under special conditions that are rarely found in other precious metals. As a result, those between 140 and 200 crystallizations per minute were required, which unfortunately turned out sequentially to inversely adapt the parameters in a step-by-step fashion. Since a crystallization cycle lasts up to three months, this can take up to 40 years to find the correct settings, build the furnace in the right way, and implement the required safety measures.

With success in 2012, the two-part of the duo entered the world of precious metals.

**Classic Fusion Tourbillon Firmament by Hublot, the Swiss luxury wristwatch manufacturer**

- **The wristwatch has its premiere** of Baselworld 2014. Baselworld is considered the most important exhibition for wristwatches and is held every year in Switzerland.
- **Promises of the first watch ever featuring an osmium dial.**
- **Price of a single watch: CHF 250,000.**

Trading and buying luxury watches is a lucrative business, and the market for osmium is now a hot tip in the investment sphere.

**Call for Action**

- **Now is the time to take the osmium gold.**
- **Investors and jewellers are encouraged to take the osmium processing guidelines and contact the Osmium Institute in Australia.**
- **New designs and creations are always welcome and will be made available.**

Known by the Osmium Institute.

**Please send enquiries to:**

osmium-institute@osmium.com

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