



Press Release

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For immediate release

Osmium Pearls classification completed

Munich, 21st of January, 2019 - The classification of Osmium-Pearls and other three-dimensional objects made of osmium has been finally settled after a tough process between the international Osmium Institutes. From now on, the objects will be divided into utilization categories.

What is an Osmium-Pearl used for?

The new standard for the evaluation of Osmium-Pearls does not deal with quality standards but with application areas. In 2018, shortly after the first osmium sphere was produced, a small expert dispute arose between the responsible parties regarding the standardization of osmium products for pricing and quality evaluation.

In the last year, a division was to be found which should use different levels of crystallization and layer thicknesses, bending stiffness, risk of splintering, maximum crystal exposure and many other evaluation criteria in order to give Osmium-Pearls a clear evaluation. Such a standard is generally desirable, just as pearls from the ocean are judged by colour, surface texture and size.

With osmium, the fear was raised that the Osmium-Pearls could be different in quality and thus supposed second choice goods would not be saleable.

Quote, Ingo Wolf, Director of the German Osmium-Institute: "We were very concerned that such a division might lead to pearls with different degrees of crystallization being considered differently perfect or good. It was necessary to find a way to incorporate the quality and field of application of the Osmium-Pearl into the standard without creating the impression of second choice goods."

Osmium pearls are always first choice material

The Osmium-Institutes involved now agreed on a smart model, which defines a group of values for the quality of a Pearl, which decide whether the Pearl can be delivered as a perfect piece. In particular, the difference of layer thicknesses in 3D structures is taken into account, which must not exceed a fixed limit value.

Since it was possible for the first time at the beginning of 2018 to crystallize osmium three-dimensionally with extreme effort and high reject rates, work has also begun on the sphere. Three-dimensional structures often result in very different crystallization thicknesses on the osmium pearl surface.

Osmium-Pearls that do not meet the new standard for perfect goods are separated from the substrate and returned to the production process like raw osmium.

However, they are different

All Osmium-Pearls are categorized according to their size and average layer thickness. The level of crystallization depends directly on the layer thickness. In this way, the Osmium-Pearl's ability to sparkle rather than shimmer is also enhanced.

A shimmering surface with very fine crystals is used when several osmium pearls have to be processed together and have to look absolutely identical. An osmium pearl that has a higher layer thickness produces fewer but larger crystals whose reflection can be perceived from each individual surface. The osmium industry calls this effect the Sparkle. In other words, the surface sparkles when the observation angle or the incidence of light changes. Such Pearls are processed as spectacular single pieces.

There is no difference in price or value between the different options, because the basis of the price is always the price for crystalline osmium plus the price of processing and usability rate of the resulting pieces. For investors it is therefore not decisive which Osmium-Pearl Art is acquired, this is decided only in the jewellery production itself.

About the Osmium-Institutes:

Tasks:

Osmium Institutes have the international task of introducing osmium into regional markets. They provide native-speaker support in the marketing of osmium as well as training for investment advisors, processors and organizations working with osmium.

Osmium is promoted as a jewelry and investment metal by osmium institutes and receives considerable support. This serves the purpose of providing information on high-temperature processing into jewellery and at the same time helping investors to check osmium for authenticity.

The current Swiss prices are published after each fixing via RSS feeds of the Osmium institutes in several currencies.

Purchase of osmium:

To purchase osmium, please contact retailers, financial institutions and wholesalers as well as jewellers who have received approval from osmium institutes for trade and distribution. These organisations have an obligation to have a profound knowledge of osmium.

Some of them are listed on the websites of the regional Osmium Institutes.

Process of osmium certification:

After being crystallized in Switzerland, all pieces of osmium are passed through the German Osmium Institute. After chemical analysis and scan, the crystal structures are entered as "fingerprints" of the osmium crystals in the international osmium database and the internationally valid number and letter code is assigned (hexadecimal code).

Manifestations:

Unlike osmium sponge, crystallized osmium is non-toxic and completely harmless. Its appearance differs in the crystal lattice structure and thus changes the chemical properties of osmium. The metal belongs to the group of platinum metals and, like any precious metal, has the properties of special resistance to reactors.

2D-geometries:

Osmium is supplied in flat structures with a layer thickness of approximately one mm. Almost any shape can be cut by wire erosion. The rectangular shape is common for bars, which can be imported duty-free in many countries and countries as an investment instrument.

Safety instructions of the Osmium Institutes apply for the cut. During processing, it is recommended that the regional Osmium Institute approves the desired cutting forms. Certified cutting companies can also be commissioned directly by the institutes. For these cuts, if ordered over an Osmium Institute, full insurance applies in the case of a false cut of the ordered form.

3D-geometries:

Osmium can be crystallized in structures up to 2cm in size on carbon cores. The core remains in the structure. It cannot be removed and in addition serves to the stability of the 3D surface. Only topologically monovalent forms are possible which do not have through holes. The shapes must merge smoothly. Sharp edges and corners are not possible.

Forms of trade for crystallized Osmium:

The most common trading forms are the osmium disc and osmium medium edged bars. They are called osmium semi-finished products and are duty-free in many countries. These bars are supplemented by osmium diamonds and osmium stars.

Special shapes are simple geometries, silhouettes and letters. 3D objects are only available in extremely small quantities and are rarely and usually produced on request.

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For journalists, the www.osmium-dlc.com is available as a download center for free Osmium-related material. For direct inquiries or defined questions, please send an email to scarlett.clauss@osmium-institute.com

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More information about Osmium may be found here:

1. Osmium.info

Basic information for when first getting in touch with Osmium.
Covers all important information to pass the examination.

2. Osmium-training.com

A short explanation of the virtual academy and therefore the online training.
More information about courses and further training.

3. Osmium-institute.com

Covers the tasks of the Osmium-Institute and its employees.
Here, all international institutes are listed by their region.

4. Osmium-onboarding.com

Explains cooperation with the Osmium-Institutes.
A platform where new partners can register. Choose your code of reference here.

5. Osmium-sales.com

Website covering the sales partner's settlement and basic information.
Explanation of the marketing plan / earnings. Password: bigbang

7. Osmium-academy.com

Multi-language online training for jewellers and sale partners.
Here you can take the online examination anytime you want.

8. Buy-osmium.com

Online shop to buy Osmium and Osmium-Jewellery. Access for sales partners.
Branded shops for each sales partner.

9. Osmium-TV.com

This channel covers topics about Osmium, introduces new jewellery and new partners.
All new information is broadcasted in high definition and 4k resolution.

10. Osmium-dlc.com

Platform for pictures, texts, short films, brochures, posters, interviews.
The latest press information and posters can be downloaded here.

11. Osmium-Jewelry.com

This website lists all jewellers trading with Osmium worldwide.
Information how to process Osmium and work with the material including a safety guide.

12. Osmium-Preis.com

This website covers the current price of Osmium and the related charts.
Essential is the 1gr (0,035 oz) price to determine the material price.

List of institutes:

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