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亚洲珠宝

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**Female game
changers in the
pearl trade**

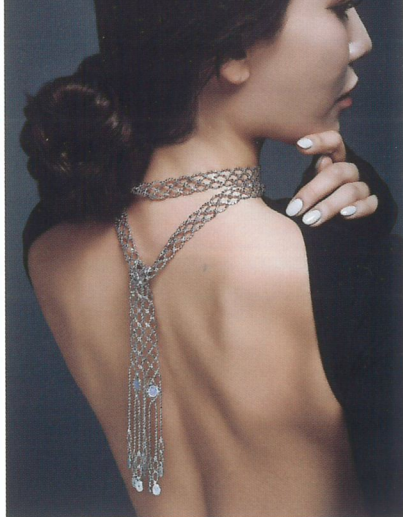
引领行业创新的珍珠界女将

Fine jewellery metals

聚焦高级珠宝贵金属

**COLOUR AND
SPLENDOUR WIN AT
GLOBAL AUCTIONS**

绚丽珠宝在国际拍卖会上
独领风骚



Osmium shines on luxury jewellery stage

钨金属高级珠宝崭露头角

A rare precious metal sourced as a by-product of platinum mining, osmium ticks all the boxes as a luxurious, inventive and traceable material for high jewellery. 钨是铂金开采的副产品,这种稀有贵金属具备奢华、创新和可追溯性的特质,是制作高级珠宝的理想材料。

| Olivia Quinquini 程爱莉 |

A new precious material is providing fresh possibilities for design, exclusivity and creativity in the fine jewellery world.

Sourced as a by-product of platinum mining, osmium is one of the world's rarest precious metals, according to the Osmium-Institut Zur Inverkehrbringung Und Zertifizierung Von Osmium GmbH. Only 30 grams of osmium can be found in 10,000 tonnes of platinum ore.

In its crystallised form, it is the last of the eight precious metals to be made tradeable in the market. As of February 19, 2025, the price of osmium had reached US\$1,665.39 per gram.

Pure raw osmium is crystallised in Switzerland and certified in Germany. Each crystalline osmium piece has a unique crystal structure and is scanned and documented with an identification code in the Osmium World Database, making it fully traceable.

Highly sought after as a store of wealth, crystalline osmium has been used in luxury watches and other high-end consumer goods such as headphones and even collectible pieces such as the world's most valuable newly built violin.

The bluish-silver precious metal is now gaining more popularity in the jewellery trade as inlays and accents for upmarket creations.

Given the complex nature of crystalline osmium, it can only be purchased from the Osmium Institute, which offers it in various shapes and sizes. These range from rounds and squares to hearts and letters, among others.

Osmium Institute Vice President Scarlett Clauss said, "Our stock consists of standard shapes in varying sizes, heights and weights, going from 0.3mm to 1.4mm. We can also cut bespoke pieces such as logos, specific designs and client specifications. Crystalline osmium is often mistaken for diamond pavé but it is actually a single surface with unparalleled brilliance and shine."

Creative licence

Hong Kong-based Tania Chan was the first high-end jewellery designer in Asia to use osmium in her jewellery pieces. In her Palace Collection, she combined osmium slices with pink sapphires, amethysts and pear-shaped diamonds in a one-of-a-kind, multifunctional high jewellery set consisting

Pendant/brooch with osmium, amethysts, pink sapphires and pear-shaped diamonds set in rose gold from the Palace Collection by Tania Chan; osmium necklace; earrings with osmium, amethysts and pink sapphires from the Palace Collection by Tania Chan; ear hoops with original and yellow gold-plated osmium pieces by Tania Chan 由Tania Chan设计的Palace系列玫瑰金配钨吊坠/胸针, 镶有紫水晶、粉红色蓝宝石和梨形钻石; 钨项链; 由Tania Chan设计的Palace系列玫瑰金配钨耳环, 镶有紫水晶和粉红色蓝宝石; 由Tania Chan设计的原色钨和镀金钨圈形耳环

of a brooch/pendant/ring with a 2.75-carat diamond centre stone and a pair of transformable earrings in rose gold.

The main piece can be transformed into a trendy choker when styled with a blue lace strap, while the earrings can be further deconstructed into studs, ear climbers and drops.

"Osmium's brilliance is at least 20 per cent more than that of a diamond. Its bluish-silver colour is extremely attractive and goes perfectly with diamonds and a variety of coloured gemstones, especially amethyst and fancy sapphires," said Chan. "Crystalline osmium has a flat surface and comes in various thickness levels, but it seems three-dimensional and voluminous."

Chan's line of osmium high jewellery includes ear hoops lined with original and yellow gold-plated osmium pieces that can be worn as a scarf ring, an amethyst ring embellished with osmium, and a Winter Sun pendant of osmium with diamonds. She intends to release further variations of these designs that showcase osmium's intense sparkle.

"Diamonds can be seen sparkling from up to six or seven metres in the sunlight as they refract the light," Clauss explained. "The sparkle of osmium can be seen from 30 metres away. Since it has a flat surface, it reflects light like a thousand little mirrors."

Also adding to osmium's appeal is its rarity. According to Clauss, while the Osmium Institute's vision is to spread awareness of the material worldwide, there is never going to be more than 500kg of osmium in total.

She said, "Osmium will always be this extremely rare, beautiful precious gift from the earth that gives an extra dose of sparkle and luxury. It also has an ethically clean market as every single piece is documented and recorded, making it traceable from mine to finger. This captivating narrative makes osmium even more attractive to socially conscious consumers."

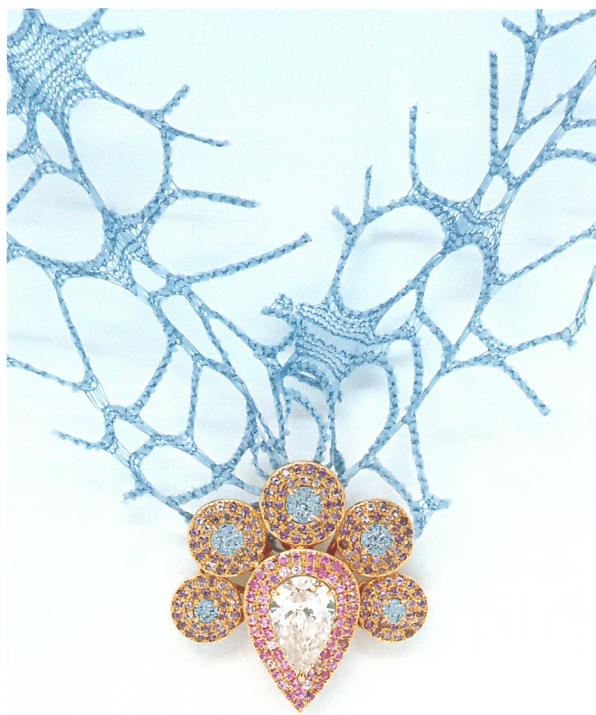
种崭新的珍贵材料诞生，为珠宝界的设计、独特性和创意开启了新的可能性。Osmium Institut营销与认证研究所(Osmium-Institut Zur Inverkehrbringung Und Zertifizierung Von Osmium GmbH)表示，钌是世界上最稀有的贵金属之一，是铂金开采的副产品。在10,000吨的铂矿石中只能获取30克钌。结晶钌是可以在市场上交易的第八大贵金属。截至2025年2月19日，钌的价格为每克1,665.39美元。

纯钌原料在瑞士进行结晶处理，并在德国取得认证。每块结晶钌都有独特的晶体结构，经扫描后会在钌世界数据库中记录相应的识别码，使其完全可以追溯。

结晶钌作为一种财富保值的方式，向来备受市场追捧，常用于制造奢侈手表、耳机及其他高端消费品，甚至是收藏珍品，如世界上最珍贵的新造小提琴。

目前，这种蓝银色贵金属在珠宝界的受欢迎程度不断攀升，成为了高级珠宝的主角或华丽点缀。鉴于结晶钌的特性，它只能从Osmium Institut购买。该机构提供各种形状和尺寸的结晶钌，包括圆形、方形、心形和字母等等。

Osmium Institute副总裁Scarlett Clauss表示：“我们的库存包括不同尺寸、高度和重量的标准形状结晶钌，从0.3mm到1.4mm不等。我们也可以切割订制件，例如品牌标志、特定设计和定制规格。结晶钌常被误认为是密镶钻石，但它是单一表面，具有无与伦比的亮度和光泽。”



Lace choker with osmium, amethysts, pink sapphires and a 2.75-carat pear-shaped diamond set in rose gold from the Palace Collection by Tania Chan 由Tania Chan设计的Palace系列玫瑰金钌蕾丝项链，镶有紫水晶、粉红色蓝宝石和一颗2.75克拉梨形钻石

创意授权

来自中国香港的Tania Chan，是亚洲首位在珠宝设计中使用钌的高端珠宝设计师。

在她的首个Palace系列中，她将钌切片配粉红色蓝宝石、紫水晶，并以一颗2.75克拉梨形钻石为主石，制作成一套独一无二的多功能高级首饰套装，包括胸针、吊坠、戒指和一对可转换式玫瑰金耳环。

主件如搭配蓝色蕾丝造型的配件，即可变成时尚的颈链，而耳环可进一步解构成耳钉、攀耳式耳环和耳坠。

Chan说：“钌的亮度比钻石至少高出20%。它的蓝银色非常迷人，与钻石和各种彩色宝石，尤其是紫水晶和彩蓝宝石搭配得天衣无缝。结晶钌表面平整，有各种厚度，但看起来却相当有立体感和丰盈感。”

她的钌金属高级珠宝系列包括原色钌和镀金钌耳环，并可作围巾圈；镶紫水晶的钌戒指，以及Winter Sun镶钻的钌吊坠。她打算以这些设计为基础，推出更多不同款式，展现钌的璀璨光芒。

Clauss解释说：“在阳光下，从六、七米远的地方就能看到钻石因折射光线而闪烁。钌的光彩可以在30米外看到。由于钌的表面是平的，它反射的光就像一千面小镜子，因此它的光彩格外耀目。”

钌的稀有性也增加了它的吸引力。Clauss指尽管Osmium Institute的愿景是在全球推广这种材料，但钌的总存量绝不会超过500公斤。

她说：“钌将永远是这种来自地球的极其稀有、美丽的贵重金属，为您的首饰带来额外的闪烁与奢华。它也绝对符合道德，因为每件钌都有文书记录，使它从矿场到佩戴者的手上，每一步都是可以追溯。这种引人入胜的故事，对具有社会意识的消费者而言，则更具吸引力。”