



Cover copy

“Moissanite is made for me.™ ”

Estrella.

Unique. Sophisticated. Moissanite.

The Estrella™ collection

Sophisticated and stylish women are treating themselves to Estrella™ – the stunning designer collection of finely crafted moissanite jewelry – as beautifully unique as they are.

Moissanite, a unique jewel, disperses almost 2-1/2 times the fire of diamond, is harder than sapphire and sparkles like no other jewel on earth. These physical and visual properties are distinct enough to give moissanite its own unique jewelry category.

The Estrella collection, highlighting Charles & Colvard created Moissanite set in 18k gold or platinum is made up of elegant and timeless creations by the world's top jewelry designers.

Charles & Colvard presents...The Estrella Collection

A new line of fine jewelry. The collection consists of a series of creatively crafted moissanite jewelry designed by prestigious manufacturers of fine jewelry.

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The Moissanite Story

INTRIGUING.

An amazing gift from the stars.

Fifty thousand years ago, a meteorite containing a unique secret landed in the Arizona desert. However, it wasn't until 1893 that it was revealed. Dr. Henri Moissan – a scientist who later received the Nobel prize for chemistry – examined samples taken from the meteorite's crater and discovered particles of an intriguing new mineral – silicon carbide (later named “moissanite” in his honor).

Natural moissanite crystals large enough for use in jewelry are extremely rare – found in limited quantities or as small particles – yet almost 100 years after Dr. Moissan's amazing discovery, science developed a way to duplicate this gift from the stars.

Discovered by Charles & Colvard.

Once the proprietary process for producing large, gem-quality crystals was developed, a master diamond cutter suggested faceting the crystals to make highly durable and brilliant jewels. And so, Charles & Colvard created Moissanite was born.

Unique.

In a category of its own.

DAZZLING

The visual characteristics of Charles & Colvard created Moissanite make it a unique jewelry category. High dispersion (0.104) and refractive index (2.65 – 2.69) inherently give moissanite more dazzling sparkle than any other jewel, while its precisely calibrated and carefully hand-cut facet patterns intensify fire and maximize brilliance.

DURABLE

A jewel's durability is determined by a combination of hardness and toughness. Hardness is determined by scratch resistance, toughness by resistance to scratching, abrasion, breaking or chipping – moissanite is durable and tough, harder than sapphire and only second in hardness to diamond.

HEAT RESISTANT

Moissanite can be cast in place in gold, making crafting unique jewelry easy, and allowing designers to offer innovative, exact-fit creations. Moissanite is less likely to experience heat damage during jewelry repair because it survives extreme temperatures without altering color or composition.

EXCLUSIVE

Charles & Colvard, Ltd. is the sole manufacturer of created moissanite with proprietary patents for the manufacturing process itself, as well as for its use as a jewel.

[U.S. patents issued in 1998 (#5,723,391 and #5,762,896) protect moissanite's use in jewelry and the process for its creation.]

GUARANTEED.

Charles & Colvard guarantees that, regardless of the size or shape, each and every one of its created moissanite jewels will be hand-cut by a master technician to create maximum brilliance and to spark the ultimate fire.

All Estrella fine jewelry is accompanied by an Estrella Certificate of Authenticity and Limited Lifetime Warranty.

Calibrated sizes available: 3 to 14mm.

Shapes: round, brilliant, cushion, heart, marquise, octagon, oval, pear, princess, radiant, triangle, trillion.

DISTINCTIVE.

The following will help identify created moissanite from other near-colorless jewels.

Double refraction.

View moissanite with a magnifying loupe (10x) through its crown (top) or pavilion (side) facets and a doubling of the back facet junctions can be seen. Diamond, for example, is single refractive and does not show doubling.

Inclusions.

Needle-like inclusions are inherent to the process that creates moissanite crystals. Under magnification these inclusions can be seen located perpendicular to the table. Note: All moissanite jewels sold are eye clean.

Dispersion and refractive index.

The science responsible for the extraordinary fire and brilliance of created moissanite is dramatically shown here. Equal high-intensity lights shine over a moissanite, diamond and cubic zirconium (CZ). The uniquely superior fire and brilliance of moissanite (due to its high refractive index and dispersion) is illustrated by the wide color spectrum.

Testers.

Jewelers using special moissanite testers in conjunction with a thermal tester can easily identify moissanite. The Moissanite Tester Model 590 is shown below.

Your jeweler.

Fine jewelers all over the world, using the methods previously described, can easily recognize the distinctive physical and visual properties of moissanite.