

Whiteflash Outlines Its Standards for Evaluating Lab-Grown Diamond Cut Quality, Transparency and Light Performance

Whiteflash Precision Lab brings greater transparency to lab grown diamonds with in-house vetting, advanced imaging, and a focus on exceptional cut quality.

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Whiteflash is outlining the standards it uses to evaluate lab grown diamonds for cut quality, crystal transparency and light performance beyond the information provided in a laboratory

report. The Precision Lab category combines laboratory grading with in-house evaluation and light-performance imaging intended to provide additional information about each diamond.



Whiteflash Precision Lab offers premium lab-grown diamonds with outstanding cut quality, brilliance, and value.

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As lab grown diamonds become more plentiful, quality varies widely. We protect our clients by evaluating every Precision Lab diamond for cut precision and crystal transparency.”

*Bryan Boyne, Senior
Gemologist at Whiteflash*

Lab grown diamonds have essentially the same chemical, physical, and optical properties as natural diamonds. Even so, light performance still comes down to cut and to how clear the crystal is, which is why Precision Lab diamonds get full gemological review before they are offered for sale. Precision Lab is the in-house lab grown category from the same specialist team behind [A CUT ABOVE® Super Ideal natural diamonds](#), with an emphasis on evaluating cut precision, crystal transparency and light performance.

Transparency and growth methods

A high clarity grade mostly describes what a grader sees at 10x. It does not catch every issue in the crystal: significant strain and striation in the carbon lattice can appreciably reduce transparency, so a stone may read clean on paper and still look hazy or cloudy in person.

HPHT (High Pressure High Temperature) growth often yields very transparent crystals because pressure stays steady on all sides through a single growth run, which helps the lattice stay orderly. CVD (Chemical Vapor Deposition) is common because it costs less to produce, but growth can be paused and restarted as conditions change. That stress can show up as strain, and it can also show up as striation, a type of graining that can reduce transparency. Many CVD diamonds need extra steps to remove body color, and those steps are not always entirely successful.

Whiteflash favors high quality raw material, including HPHT stones sold as “As Grown” with no post-growth treatment, when the goal is full transparency and optimal light performance.



1.01 ct D VVS1 Round Cut Precision Lab Grown Diamond

Reports, growth method, and what the paperwork still misses

Each Precision Lab diamond ships with a grading report from a recognized gemological laboratory. Whiteflash recommends GIA, IGI, or GCAL by Sarine for lab grown diamonds.. While labs like IGI still provide 4Cs grading, GIA has moved to a simplified “Premium” and “Standard” categorization for lab-grown diamonds. Because GIA reports no longer provide a granular 4C breakdown, Whiteflash’s additional light-performance imaging is essential for verifying a stone’s specific technical quality. That paperwork is still only a starting point. Precision Lab is built for buyers who want the certificate plus imaging that shows how the stone actually handles light.

Light performance imaging and HD video on rounds

For round Precision Lab diamonds, Whiteflash posts the same style of advanced imaging used for in-house natural diamonds: an ASET map (Angular Spectrum Evaluation Tool), Ideal-Scope photos, Hearts and Arrows photos, and HD video. ASET maps show how the diamond gathers and returns light. Ideal-Scope highlights contrast and leakage patterns. Hearts and Arrows imaging reveals three-dimensional facet symmetry. Together with video, those advanced images answer questions a single “Excellent” or “Ideal” line on a report cannot. In-stock vetting, cut quality, transparency verification, and guaranteed delivery are the benefits of Whiteflash

Precision Lab diamonds.

Whiteflash keeps Precision Lab diamonds in house instead of relying on virtual feeds alone, so the listing reflects the exact same stone that ships. Before a stone is offered under the Precision Lab standard, the review team checks crystal transparency. Lattice issues such as graining or strain can diminish light performance, even when clarity reads high, so stones with transparency problems are rejected from this category.

Shoppers at Whiteflash work with the same gemologists and consultants for natural diamonds and for lab grown diamonds. Shoppers can pair either a natural or lab grown diamond with any designer setting from top brands including Tacori, Verragio, Simon G, A. Jaffe, and Vatche.

Precision Lab Quality Beyond Engagement Rings

The rigorous standards applied to the Precision Lab collection are not limited to engagement rings. These high-performance stones can also be the centerpiece for the Whiteflash collection of [lab grown diamond studs](#) and fine jewelry. Because ear studs are often subjected to less scrutiny than a center stone on a ring, many retailers use lower-quality "virtual" stock for earrings. Whiteflash maintains its commitment to in-house vetting for all jewelry, ensuring that every pair of studs offers the same edge-to-edge brightness and optical symmetry as their round brilliant diamonds.

Budget, choice, and why cut still comes first

Many buyers choose lab grown to stretch carat weight or to leave more room in the budget for a designer setting. That only works if the crystal is transparent and the cut high quality, because a larger diamond is not better if it is hazy or has light leakage.. Lab pricing on the open market varies greatly as seconds and thirds have to be marketed, so it pays to compare what you get beyond the headline numbers: growth method, verified transparency, light performance imaging, and whether the seller actually has the diamond on hand.

About Whiteflash

Whiteflash is a modern jeweler based in Houston, Texas, with state-of-the-art ecommerce platform specializing in Ideal and Super Ideal cut diamonds, designer engagement rings, and fine diamond jewelry. A CUT ABOVE® Super Ideal natural diamonds are exclusive to Whiteflash: each has a GIA grading report plus the AGS Ideal addendum from GIA, and comes complete with advanced imaging including ASET, Ideal-Scope, and Hearts and Arrows. A CUT ABOVE® diamonds are eligible for the Lifetime Upgrade Program. Whiteflash ships nationally and internationally and is an authorized retailer for premium bridal designers including Tacori, Verragio, Simon G, A. Jaffe, and Vatche.

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