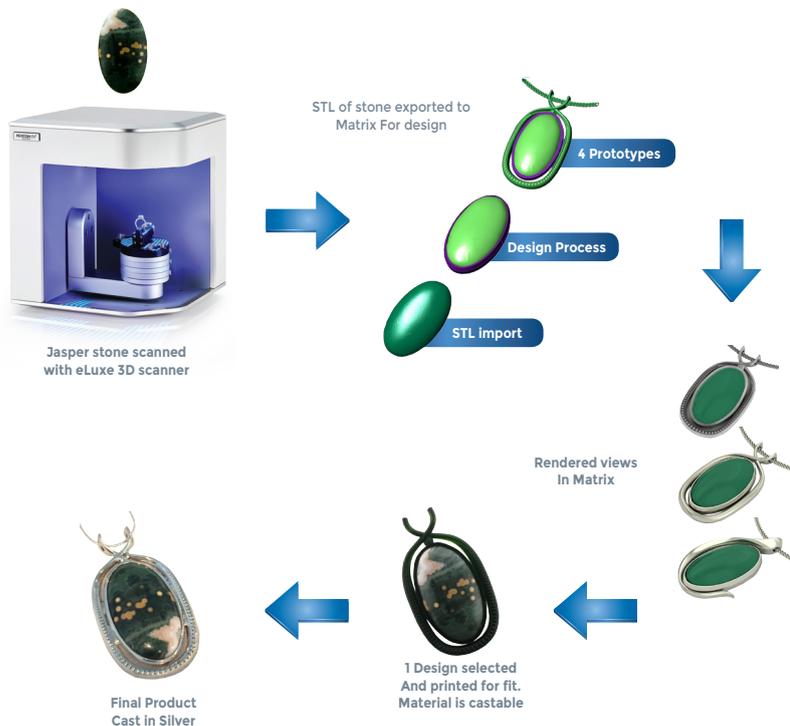


THE eLUXE 3D REXCAN DS3 STREAMLINES CUSTOM JEWELRY DESIGN



With the launch of eLUXE 3D (www.eluxe3d.com) and its Rexcan DS3 jewelry scanner, jewelers can efficiently and accurately create 3D scans of small objects, including loose stones and completed jewelry pieces. The eLUXE 3D Rexcan DS3 scanner is not only faster than alternative methods (such as photography and hand measurement) but also more accurate. It is fully automated and uses structured-light technology with either 1.3 or 5.0 megapixel resolution that is ideal for scanning complex pieces. The Rexcan DS3 scanner occupies just under one and a quarter cubic feet and fits comfortably on a tabletop, so jewelers can easily add it to their workspaces.

Working with Loose Stones

The eLUXE 3D Rexcan DS3 scanner is particularly useful for designing pieces around loose stones. To design pieces around loose stones without a scanner, jewelry designers need to photograph the stones, import the photographs into their CAD software, and then trace the stones' edges manually. Both photography and tracing edges are error-prone, time-consuming processes. Scanning with the Rexcan DS3, on the other hand, condenses a laborious process that would take hours into an automated one that only takes a few minutes. After scanning, the Rexcan DS3 generates an STL file that designers can import directly into Matrix, the industry-standard CAD software for jewelry design. The software that accompanies the scanner is easy to use, too; taking another scan is as easy as clicking the mouse. By integrating a Rexcan DS3 into their workflow (see figure), jewelers can streamline their design process.

A Satisfied Customer

After seeing how efficient the eLUXE 3D Rexcan DS3 is, Shele Letwin, a veteran of the jewelry industry and winner of three De Beers jewelry design awards, bought a Rexcan DS3 for her business, GV Design Canada (gvdesigncanada.com). She had been interested in scanners because she knew how time consuming it could be to get models of loose stones into CAD software. But she was unimpressed with the quality of scanners on the market until she learned about the Rexcan DS3. After integrating the scanner into her design work, she has been able to quickly handle jobs that would otherwise be much more difficult and time consuming.

One of her customers wanted a pendant designed around an oval piece of green jasper. Knowing that jasper can be fragile to set, she quickly scanned the stone, imported the resulting model (as an STL file) into Matrix. She then designed several versions of the pendant, giving the customer the opportunity to select from four different designs. The customer selected his favorite, and Ms. Letwin 3D printed it as a castable prototype. She said, "The bezel fit like a glove," and the stone easily snapped into place. Using traditional casting techniques with the 3D printed piece, Ms. Letwin cast the pendant in the material the customer selected—silver in this case (see picture). Ms. Letwin said, "If you're the kind of jeweler that wants the best tool in the tool box, then this is for you."

Making Difficult Projects Easy

Quick, accurate 3D scanning helps jewelers deliver custom pieces designed around loose stones, particularly stones with irregular cuts. With the eLUXE 3D Rexcan DS3, jewelers can eliminate the guesswork (and rework) associated with making these custom pieces because the scanner delivers highly accurate representations of physical stones. And clients who are hesitant to part with stones that have extremely high sentimental value, monetary value, or both can have their jeweler quickly make a scan rather than leave their stone with the jeweler for several weeks.

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