



Roger Dery Gem Design

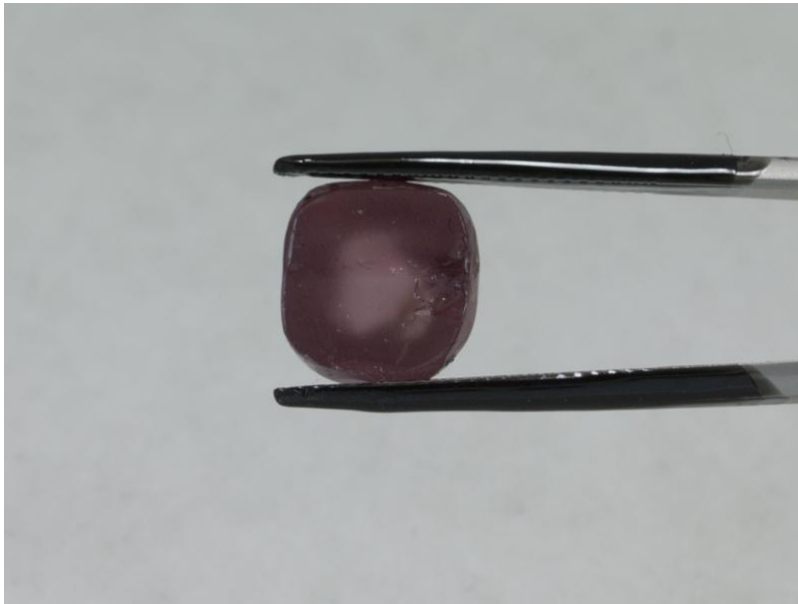
April 30, 2013

The Lifecycle of a Custom Cut Gemstone

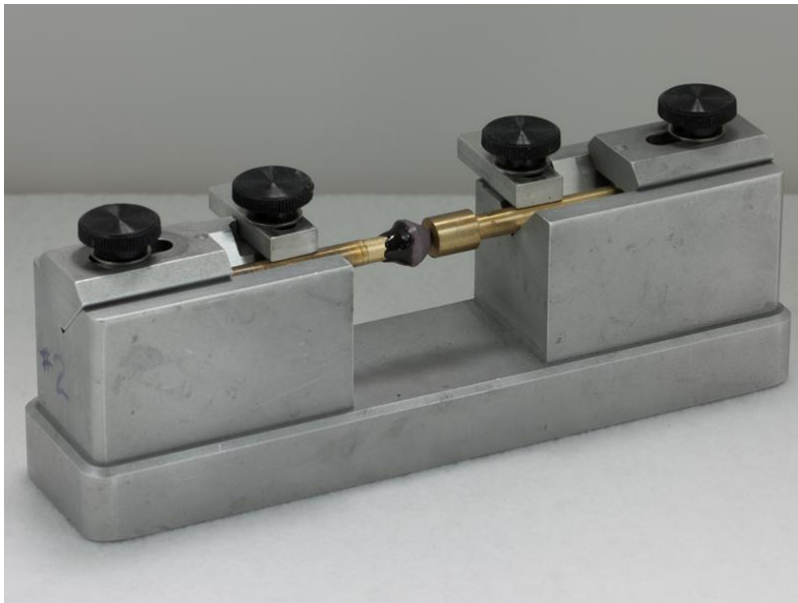
Every gemstone begins as a piece of rough mined from the earth. Sometimes rough is found in river beds, sometimes on the ground, and sometimes deep in the earth.



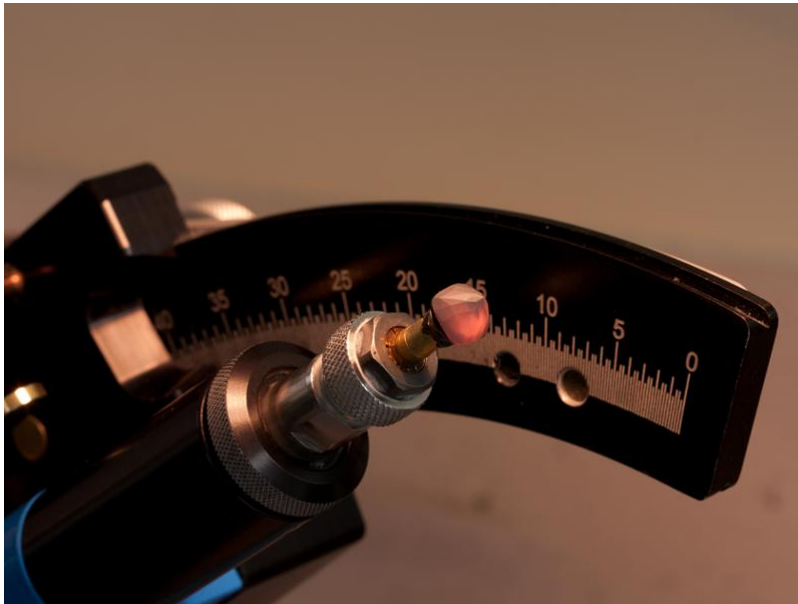
When Roger was in Tanzania in January he bought this piece of Zircon rough weighing 4.5 grams. Rough is weighed in grams even though gemstones are weighed in carats. There are 5 carats to a gram. The rough was from the Zircon mine in Tanga, Tanzania.



This piece in the tweezers has been pre-formed into this shape by hand.



To begin faceting Roger must attach the rough to a dop with wax. He does this using a transfer fixture.



Generally facets are placed on the bottom or pavilion of the gemstone first. Roger then performs a pre-polish step and this is followed by the final polish.



Next the top or crown of the gemstone is faceted and polished using the same technique.



The finished gemstone is a 5.96ct Sherry Pink Zircon Square Cushion.

Roger and Ginger Dery
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