

THE DIAMOND COLORIMETER MADE IN TRENTINO

August 11, 2017

How do you determine the color of a thing that the more colorless it is the more it is worth?

Thanks to a diamond colorimeter completely locally made. A product resulting from the joint work of a company based in Cavalese (TN), [Gemmarum](#) (which for the occasion created the spin-off [Gemchrom](#)) that operates in the field of tools for the analysis and cutting of precious stones, the research [Center for Materials and Microsystems of Fondazione Bruno Kessler](#), and Trento-based [EOPTIS](#).

Valentino Proietti – director of [Gemchrom](#) – explained during the [presentation meeting of the instrument that was held in Cavalese in June](#), that being able to determine with certainty the color of the diamond, and therefore its purity, can have a huge value for the market. **The more the stone is colorless, in fact, the more it is worth.** A challenge in which all those who have tried to produce this kind of product have engaged. With the help of **Eoptis**, a company that designs and manufactures optoelectronic instruments and vision systems, and that of **Fondazione Bruno Kessler**, [Gemmarum](#) worked on the interaction of light with stone, analyzing over 5,000 stones for a total value of about 10 million Euros.

A collaboration that **lasted four years** and allowed to win a bet and – **FBK president Francesco Profumo said** – “will create jobs, new opportunities for young people, new growth opportunities, including cultural growth, for the [Fiemme Valley](#), by opening up to the world and attracting workers from abroad.”

The [videos](#) feature Interviews with **FBK** researchers involved in the development of the instrument prototype ([Francesco Ficorella](#), [Amos Collini](#) and [Paolo Lori](#)).

[Video interviews](#) recorded at Cavalese on 6/13/2017 at the presentation of the instrument.

Report by M. Lucianer (FBK Press Office)

Music: Kevin MacLeod (incomptech.com)

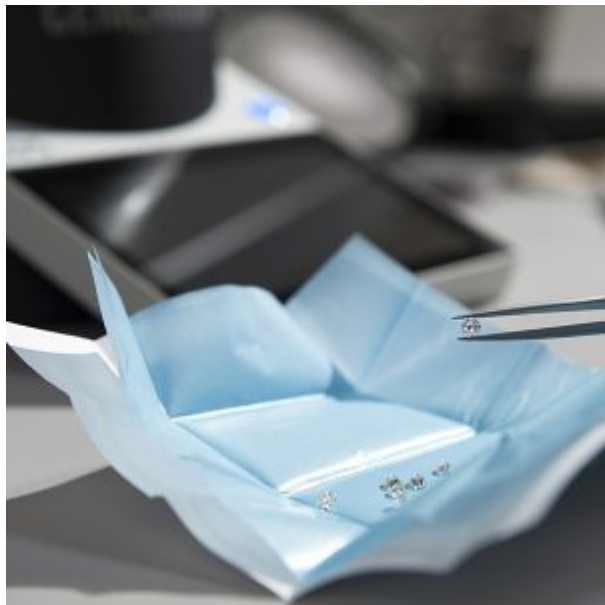
GEMCHROM

TECHNOLOGY INNOVATION

Gemchrom s.p.a.
Via S. Maria, 16 - 38033 Cavalese (TN), Italy
Tel. +39 0462 232504 - Fax +39 0462 232508
E-mail: info@gemchrom.it

WWW.GEMCHROM.IT







PERMALINK

<https://magazine.fbk.eu/en/news/diamond-colorimeter-made-trentino/>

TAGS

- #cmm
- #colorimetro
- #diamanti
- #gemchrom
- #gemmarum

RELATED VIDEOS

- <https://www.youtube.com/watch?v=kD8rQTe-KnA>

RELATED MEDIA

- GemChrom EOS colorimeter flyer: https://magazine.fbk.eu/wp-content/uploads/2017/08/Colorimetro_GEmChrom.jpg
- FBK Center for Materials and Microsystems (Micro Nano Facility): <http://mnf.fbk.eu/>
- Cavalese based Gemmarum: www.gemmarum.it
- colorimeter flyer: <https://magazine.fbk.eu-content/uploads/2017/06/EOS-ITA-BROCHURE.pdf>

AUTHORS

- Marzia Lucianer