Advanced Gemological equipment which spesifically designed for Gemologist

Considering the major grow of gemstone industry, especially in Indonesia since these last few years, we decided to purchase two of the most advanced gemological equipment currently available on the market. However, we fully realize that buying would not do any justice if we can't operate and maximize it. Thus, the creator of these units, Mikko Aastroem, FGA and Alberto Scarani, GG indeed agreed to come to Indonesia and share their knowledge with us. It had been our pleasure to have such a high caliber Gemologist in our lab.

So lets have a look about the equipments that we acquired and their features.

GemmoRaman 532SG; the most advanced gemological photoluminescence and Raman spectrometer currently on the market, with these key features:

- Automatic Raman and Photoluminescence
- Capable of identifies Gemstone and Imitation in very short time, 10 seconds to 1 minute only
- Non-destructive tool specifically for gemological laboratories
- Can identify small to large sample
- Work for both loose and mounted gems
- Capable of separating most Type A and Type B Jadeite
- Detecting synthetic Diamond
- Diamond type screening

GemmoFTIR, the first Infrared Spectrometer for Gemological purposes. The benefits are;

- Separating diamond type, and treatments.
- Clarity enhancement analysis in Natural gemstone (for example, emerald fillers)
- Helpful in determining origin spesifically for Corundum and Emerald. However, it require skills to interpret the data correctly. Otherwise, it will ended up as a misleading result.
- Helpful to indentify treatments in natural gemstone
- Separating natural vs synthetic gemstones
- Separating Jadeite type A and type B. Works best in combination with the PL data.
- Separating Polymer Impregnated Turquoise and also separating Natural turquoise vs imitations.
- Separating Natural Amber and Natural Copal

We are hoping that with these two units in hand, we will not only be able to maintain our high and precise indetification methods but also take us deeper in term of identification process. Therefore our result will be even more reliable to all our clients

. Dari kiri ke kanan: Mr. Mingma Sherpa, Mr. Ser Yuen, Mr. Alberto Scarani, Mr. Adam Harits, Mr. Mikko Aastroem, Mr. Muhammad.

GRILAB