

Instruments Don't Build Trust. Intelligence Does

Ramit Kapur on advanced screening instrument manufacturers such as Mindron, Advancements, and Strategic Collaborations



In a gemological laboratory, you can't afford to assume that what worked yesterday will work tomorrow. The primary role of a lab is to closely observe current products and materials while proactively preparing for more complex challenges ahead. This means continuously restructuring processes and upgrading testing equipment to stay ahead of industry advancements.

The gem and jewelry industry is evolving, constantly, and quickly. And as this evolution accelerates, we've learned a simple but powerful truth at GSI:

Conventional tools have long reached their limits in our rapidly evolving gem landscape.

We're entering an era where lab-grown diamonds are being produced using a variety of processes. As a result, these diamonds

are beginning to respond differently to screening equipment, challenging conventional identification methods and rendering traditional tools increasingly unreliable.

To keep up, it's no longer about owning the right equipment. It's about investing in a lab that's designed to think ahead.

The Pace of Progress Isn't Slowing; And Neither Are We

When I say 'industry pace,' I don't just mean how fast we're moving; I mean how advanced methods are reshaping the very nature of what we're up against.

The differentiation between lab created and natural diamonds when it comes to identification, has taken a whole new curve. At GSI, we have been doing continuous research and collecting samples, accumulating data, experts analyzing and recording these differences and further, sharing this information with instrument manufacturers of the world to build a secure industry.

Because to deliver authenticity, you need more than infrastructure. You need intelligence.

Mindron: A Breakthrough Born of Collaboration

Innovation isn't just a buzzword at GSI, it's at the core of how we operate. One of our most impactful collaborations has been with Mindron, where we've partnered for over a

