Tension Viewer
See better. Saw better.

Every rough diamond is unique in structure, with varying inclusions, flaws and internal tension. When cutting a rough diamond into separate parts, it is critical to understand the location and intensity of tension in order to prevent the risk of damage during the laser sawing process.

For diamond planners and manufacturers, identifying internal tension is a key factor in mitigating the financial and operational risk of rough diamond sawing. This is done with the Tension Viewer for tension mapping, an add-on hardware device to Sarine's DiaExpert™ and Advisor™ 7.0 rough planning system.
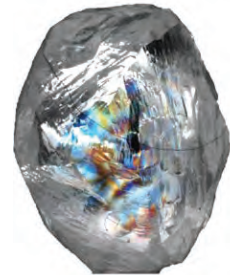
Reducing the Risks of Rough Diamond Sawing

Tension mapping is advanced technology that scans a rough diamond and displays the tension inside the stone. This allows the planner to know where the tension is located in the rough diamond, and to define the intensity of the tension in the various locations.

The Tension Viewer: Smart Add-On Device to Accurately Map Tension

For users of Advisor™ 7.0 with DiaExpert™ rough planning systems, the new Tension Viewer hardware add-on enables scanning and tension mapping of the rough diamond early in the planning stage. Critically, it enables planning of the stone in a way that reduces risk during the sawing process.

The Tension Viewer includes an optical device that operates on the DiaExpert™ diamond platform. After scanning with the tension viewer, the diamond's tension is mapped, analyzed and displayed in dynamic color video by the Advisor™ 7.0 software.

How Tension Mapping Helps Diamond Planners & Manufacturers

▸ Displays the location and intensity of internal tension

▸ For the first time, planners can view tension inside the rough diamond in reference to saw planes and polishes

▸ Only takes a few seconds

▸ Provides vital information about the diamond's tension early in the planning stage

▸ Enables planners to significantly reduce the risk of rough sawing

Product Specifications

▸ Compatible with DiaExpert™ product family

▸ Supported by Advisor™ 7.0 software

▸ USB connection

▸ Dynamic color video

For more information about the Tension Viewer, visit **www.sarine.com** or contact your local Sarine representative.