

OGIRough Software

Advanced Rough Analyzer

OGIRough analyzer provides the most innovative method for determining the optimal yield of a rough stone. Each one of the suggested models will measure the stone, analyze its dimensions and show the best way to achieve the optimal completed diamond. It will present a 3D simulation of the analysis results as well as comprehensive numerical information organized in charts and diagrams intended to help you decide on the best way to process it.

The maximal weight and maximal value of the predicted polished diamonds are taken as the optimized criteria in accordance with the 4C's. The predicted color is set by an operator or transferred from a rough color machine. Our laser mapping technology software allows optimal precision in revealing the stone's surface as well as detecting grooves, holes and any other concave area. Our advanced laser marking software allows for the best option chosen by the operator for marking, sawing and polishing.

The software is also capable of automatically calculating the position and clarity grade of the inclusion as viewed by the Inclusion Technology system even through a coated rough stone. The OGIRough features will enable you to optimize your profits while increasing your diamond production.

Advanced Rough Planning

- Powerful algorithms are used to calculate endless cutting options for the highest yield possible from any rough stone
- Best Value feature with advanced algorithms automatically analyses different cut grades, shapes, clarity grades and inclusions' positions for maximum profit
- Multi-Cut feature enables allocation of its own round and special fancy shapes, and also planning of unlimited customized shapes, resulting in maximization of yield
- Inclusion Mapping feature calculates the diamond's clarity grade as viewed by the user, thus enabling most accurate mapping of the inclusion's position
- User-friendly and easy to operate, very little training necessary

Product Highlights:

- 3D mapping technology, rotates in live video
- Integrated with OGI SAWCut® Laser Sawing & Shaping for maximum accuracy
- Label Report printing for control of further polishing and sawing process
- Supports GIA cut database GIAFacetware
- Multilingual software: English, Hebrew, Russian and Gujarati



Rough Inclusion Technology (High Resolution Camera or X-RAY Unit required)

In the past few years, OGI has been developing new technology for the detection of inclusions in the rough diamond.

With the High Resolution Camera, the mapping of any visible inclusion, including Gleatz/piques(VS to I), can be considered. Following the mapping, the system automatically calculates the position of the inclusion, hence, the clarity grade as viewed by the user.

The X-Ray system goes a step further and automatically maps and calculates the position of the inclusion and the stone's clarity grade, even through a coated rough stone.

With these systems, you can select any inclusion you wish to consider in order to maximize your profit. Or alternatively, you can use the Best Value Feature with advanced algorithms that automatically analyses different cut grades, shapes, clarity grades and inclusions' positions for maximum profit.

Related products:

Scanox (Proportion, Planner, Marker),
OGIMarker®, COMarker, MicroMarker,
OGITender®, MEGARough, SAWCut®