



Pacor is an analysis system for large rough diamonds.

## **Functions**

- Can Measure single 8 facet, 16 fully polished diamonds.
- Diamond Rough marking and evaluation with taking into account types and placing of internal characteristics of internal defects.
- Control of bruting and first-step manufacturing of diamond
- Finding of new variants of marking.
- Creation of electronic passport for rough and polished diamonds.

## **Functions**

- Any inclusion including Gletz / piques / bubbles (VVS1 to I3) can be considered.
- Very short payback time. Increase profit exponentially with a little increase in efforts.
- Accuracy of 3D inclusion placement as close as 0.03 mm
- Due to its 4 Axes diamond manipulation system, you can look inside the diamond through any windows placed at most location on the rough diamond
- Automatic sawing plan generated, to maximize your profit.
- Most advanced and accurate cavity mapping technique, thanks to its unique scanning technology.
- The machine intelligence will help you in deciding if inclusion removal or re-orientation will maximize your profit.
- If the suggested plan includes the inclusion, the machine software will show you where that inclusion will be reflected in the polished piece. The machine will grade the finish stone based on size of inclusion left inside the polish stone, its orientation and its reflection / refraction inside the polish stone.
- Model building accuracy of better than 0.005 mm makes this possible.
- Intelligent laser marking software leaves of the area unmarked where it matters the most.
- Free oxygen viewer will make it possible for your overseas office to participate in critical decision marking. They will be able to view the provisional / final plan on the virtual stone, and give their consent before further process.
- Free Oxygen viewer is an inevitable tool for the manufacturing department to have a look at virtual report of the plan. This will reduce a great amount of paper work and makes your factory a truly IT oriented organization.
- Gone are the days of paper reports which were suitable for the planners of the past. But still, very advance and user definable paper report system available, if at all you need it.
- Eight and more options of optimization program to choose from.
- LAN configurable and multi user environment software support reduces overall cost. Inclusion placement and allocation can be done in off machine mode to reduce load on the scanner and increases its utility factor (reduce overall investment).
- The software is specifically designed to accurately suggest the most profitable planning options in value recovery terms. In the process the Rapaport / user specific price structure can be used
- Data export for Sawing Machines