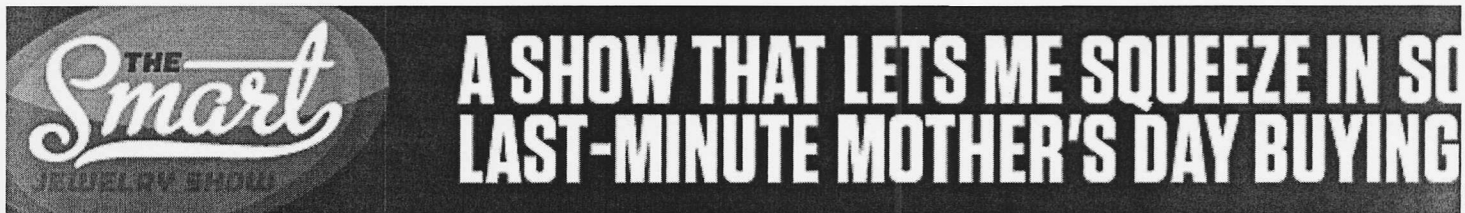




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News Industry Announcements Press Release MEGAScope: Innovative Diamond Technology

## MEGAScope: Innovative Diamond Technology

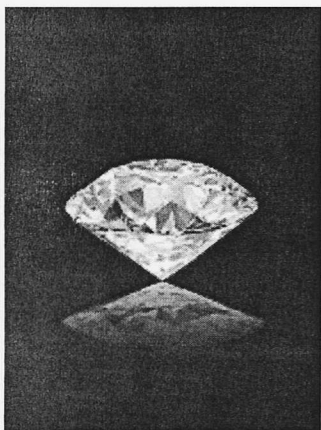
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 Wednesday, 19 January 2011 02:49

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Press Releases - Press Release

# Is a Diamond Truly Perfect??

When you buy a diamond, you expect it to be the most perfect stone in the world. This is because of the diamond's reputation as the ultimate gemstone. The question is if this is really true or just a legend.



The answer to this question is not conclusive. On the one hand, the diamond has earned its royalty through its prominent physical characteristics, such as hardness and thermal conductivity. It is also characterized by significant optical features- the combination of high transparency with rigid lattice and high optical dispersion creates the diamond's clear and colorless appearance.



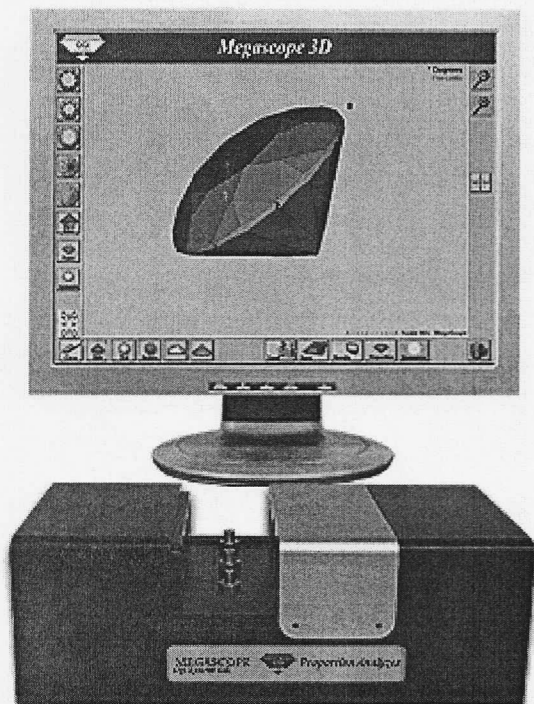
Who's Online (0)

On the other hand, it is a known fact that diamonds have to be polished, cut and shaped in order to gain their due respect in the world of stones. In addition, most rough diamonds are not actually perfect- some contain inclusions and others have small defects that color diamonds blue (boron), yellow (nitrogen), brown (lattice defects), green, purple, pink, orange or red.

Furthermore, the fact that a diamond's quality is judged in accordance with the four C's makes it obvious that there are all kinds of diamonds- some are perfect, others are less and still others are superior.

So on the whole, a diamond can be perfect, but we usually help it to become so. As a matter of fact, its royalty actually depends on our ability to make the most out of the rough – what we do with the rough stone that we mine, how we treat it and what we manage to produce, using our imagination, skill and tools.

With today's modern technology, the process can be much simpler than in the past. Most of the work is done with the help of advanced proportion analyzers that can help us make the best decisions in order to reach the ultimate results, based on the 4 C's.



The MEGAScope system is the ultimate solution to **measuring, grading and re-cutting** of diamonds from the rough stage up to a fully polished stone.

It can measure round and many fantasy diamonds from 0.01mm up to 1,000 carats in less than 18 seconds according to standards of different laboratories, such as GIA, HRD and IGI. It then produces a variety of reports comprising the following most accurate information about the diamond: weight, diameter, depth, crown angle and height, pavilion angle and height, culet and more. These reports can be printed on labels, letters or plastic cards.