

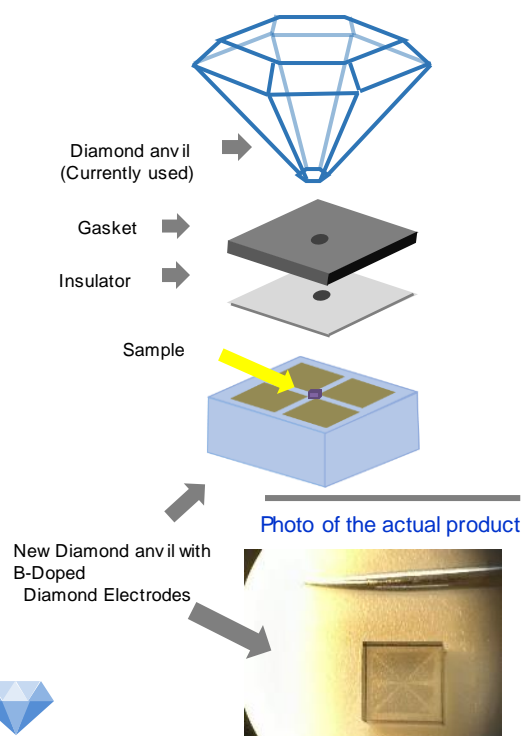


ANVIL WITH DIAMOND ELECTRODE



Based on patented technology, Dr. Takano and VISION IV have jointly succeeded in developing “Anvil with diamond electrode” for mass-production.

The anvil with diamond electrode, which overcomes the difficulties of metal electrodes, is the world’s most durable anvil that integrates diamond electrodes and anvils.



ISSUES WITH THE DIAMOND ANVIL



- 1 Difficulty in setting
- 2 Fragile electrodes
- 3 Poor measurement repeatability

What the anvil users are saying

It takes weeks to set the electrodes while looking through a microscope before measuring.

When the electrode does not work well under ultra-high pressure, the heart breaks.

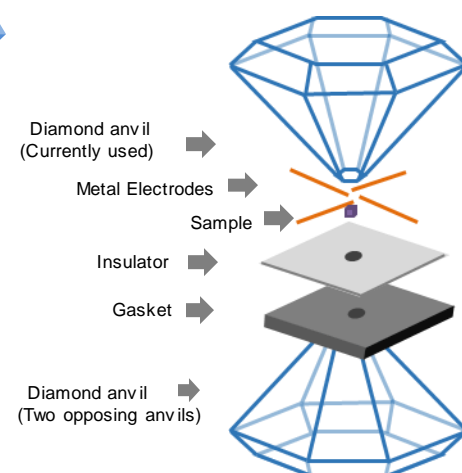
Even if the electrode works, it is necessary to set the electrode for each measurement, and if the metal electrode deteriorates, it becomes unusable.



CONVENTIONAL DIAMOND ANVIL



Electrical resistance measurement are challenging because a measuring jig places a sample between two opposing diamond anvils and applying ultra-high pressure to measure physical properties.



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