



CERAMIC COATING, ADVANTAGES, FEATURES

- **What is it ?** : Ceramics are the general name of materials which are not metallic neither organic and usually crystalline form of solid produced by complex heat treatment procedures. Different type of them can be applied over regular stainless steel under very high pressure in a vacuum environment. It's thickness is less than 15 microns so no geometric change or dullness on the cutting edge can be observed
- **Surface Hardness:** The surface hardness rises above 3500 micro vickers and significantly keeps the cutting edges sharper.
- **Siyah Renk:** The light reflections especially under microsurgery completely disappears.
- **Resistance:** It is very inert to the corrosive environment around the instruments during reprocessing and operations.
- **Low friction coefficient:** tools with a high degree of friction require less lubrication due to smooth surface.
- **Biocompatible:** Ceramics coating are even applicable for implantable device. It does not have any toxic or allergic effect.



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