

BP-NITRIDING™



Nitriding for Die and Mold

Mirror treatment technology optimized for various kinds of molds



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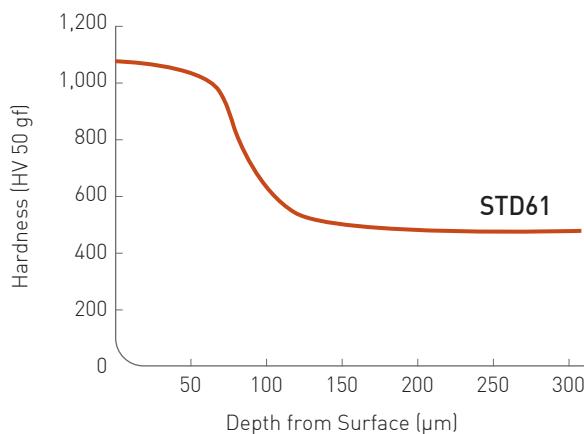
BP-NITRIDING™ is a mirror-nitriding technique which spreads high density nitrogen ions over a metallic surface to minimize the white layer.

> Specification of BP-NITRIDING™

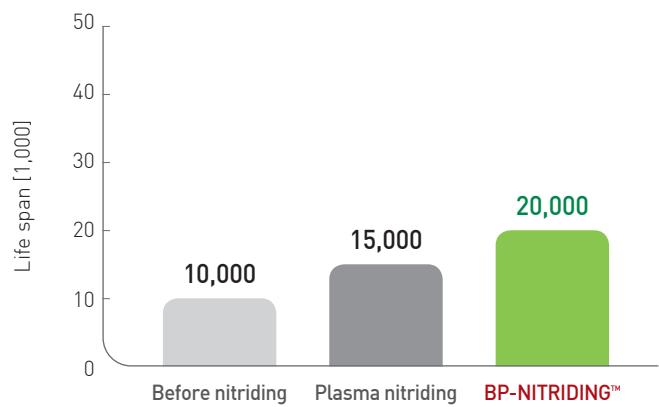
- No need for extra processes for eliminating white layer ➔ Possible to apply nitriding upon completed manufacturing
- Guarantee of improving diverse mold's lifespan ➔ Crack and fusion control
- Easy variation of molds after BP-NITRIDING ➔ Welding is possible after treatment
- Optimum substrate application for coating ➔ Progress adhesion on coating–substrate, maximize lifespan of thin film
- Customized nitriding ➔ Provide better services to satisfy customer needs

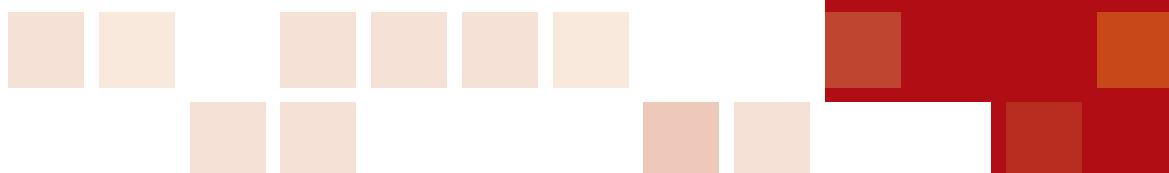
> BP-NITRIDING™ applying efficiency on die casting molds

< Distribution hardness of the compound layer after BP-NITRIDING™ >



< Lifespan comparison between, before and after nitriding >





> Effect of BP-NITRIDING™

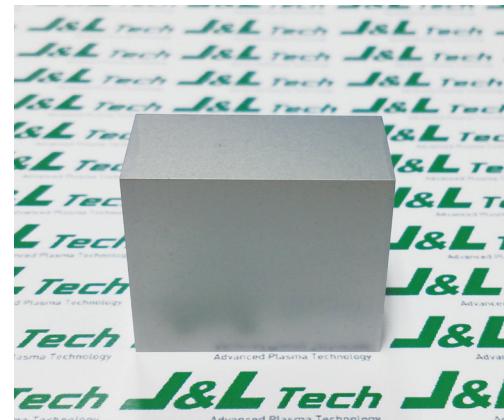
< Surface gloss comparison of BP-NITRIDING™ and general plasma nitriding >

BP-NITRIDING™



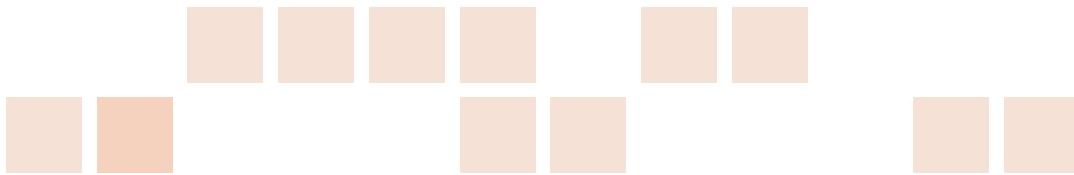
Maintenance of glossiness

General plasma nitriding



> Applications

- Plenty kinds of molds including die casting – Casting, extruding, forging and injection mold
- Substrate nitriding for hard coating



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