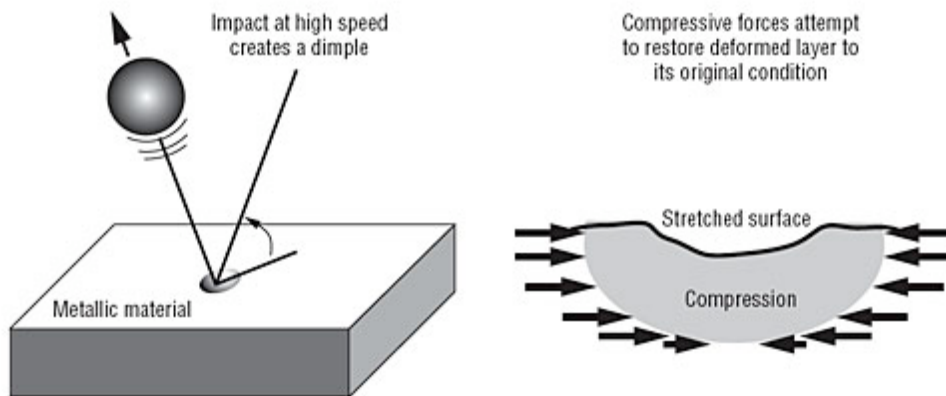


SHOT PEENING

Shot peening is a cold working impact process that uses a high velocity blast stream of millions of hardened steel spheres.



Each shot acts as a mini ball peen hammer striking the surface and forming a tiny dimple. The material below the surface tries to counteract the strain resulting in a layer of cold worked metal stressed in compression.

The compressively stressed zone resists crack initiation and propagation - increasing the service life of the part.

Benefits:

- Increases fatigue life of parts
- Prevent incidence/propagation of stress corrosion cracks

Applications:

- Gears
- Shafts
- Corrosive environment parts (eg pumps)
- Springs/torsion bars
- Pins
- Suspension parts