

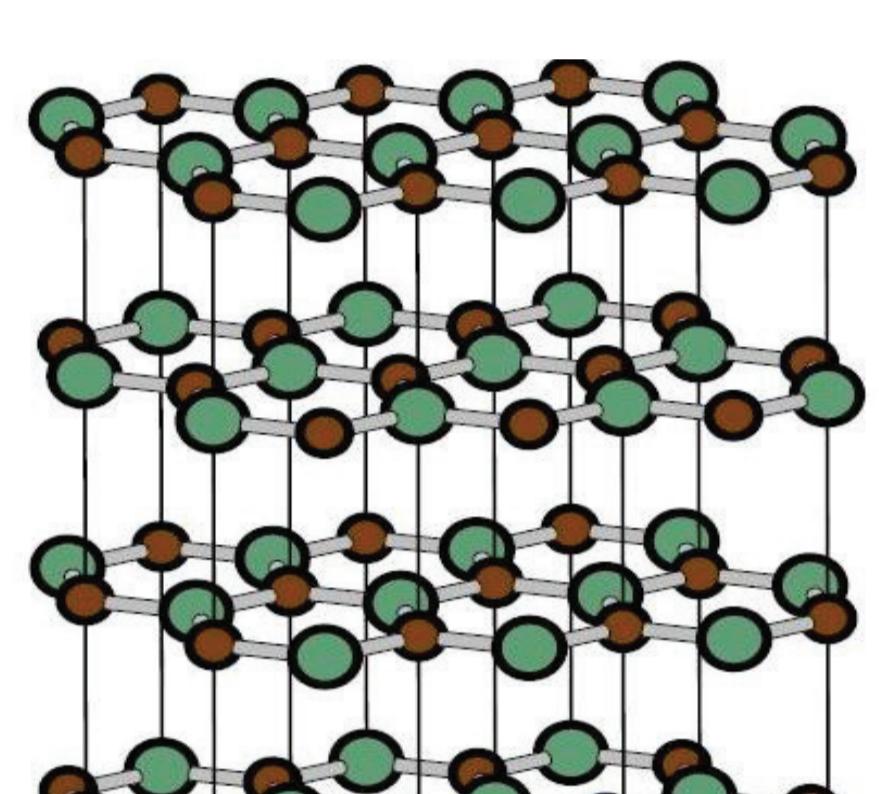
CBN COATING TECHNIQUE & APPLICATION AREAS



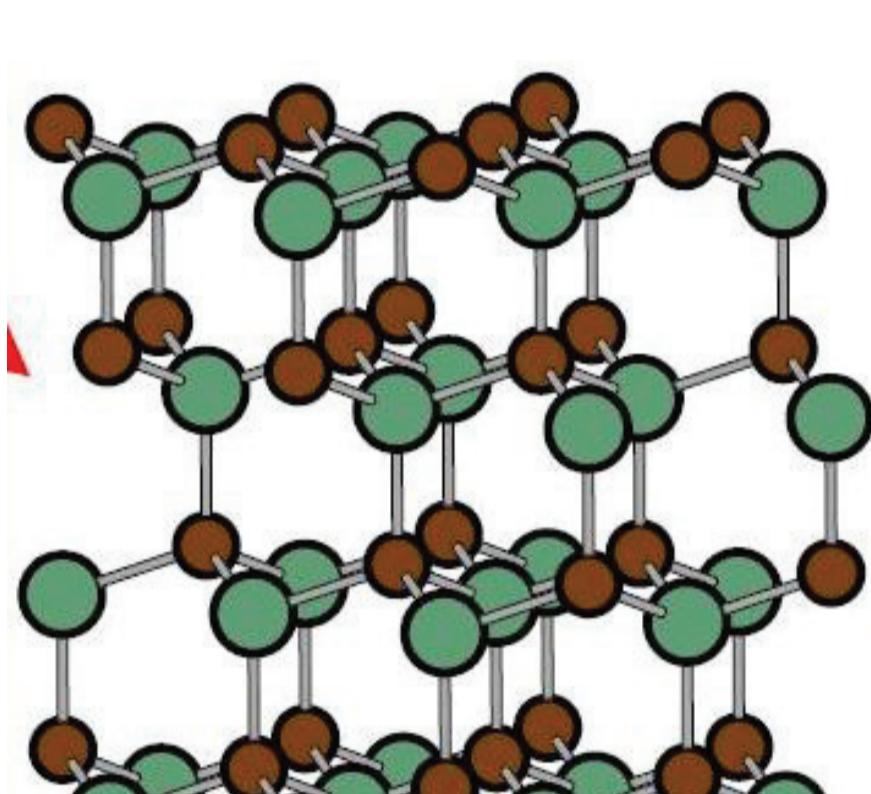
GRAPHITE



DIAMOND



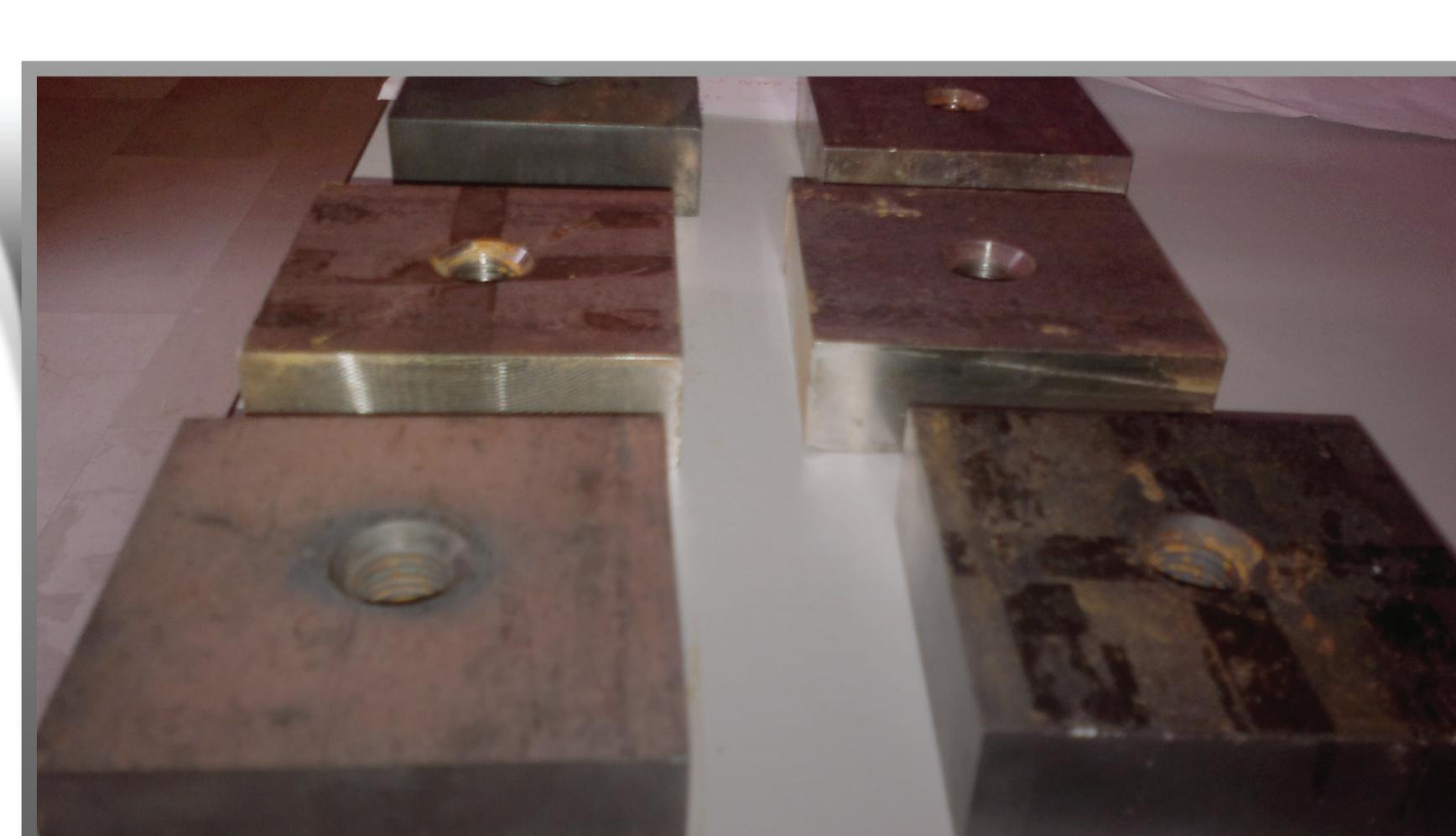
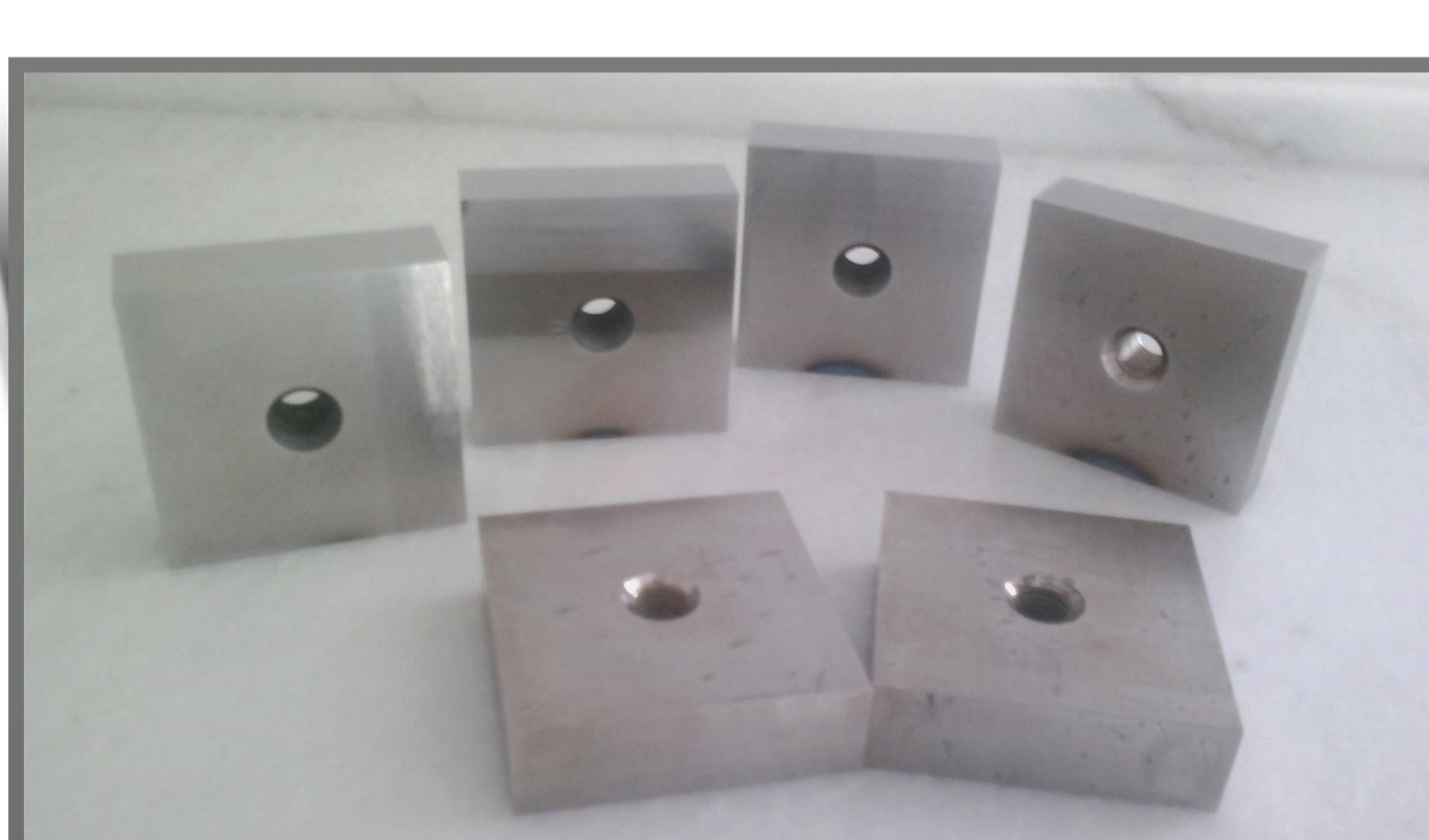
hBN



cBN

CUBIC BORON NITRIDE (CBN)

- High Hardness
(Hardest material after diamond)
- Fair thermal conductivity
- High Wear Resistance
- Stable at high temperatures
(up to 1200-1300 °C)
- Does not react with metals
- Resistance to oxidation
- Low friction coefficient
- Antibacterial

Before
CoatingAfter
CoatingBefore
CoatingAfter
Coating

APPLICATION AREAS

- Cutting Tools • Dies • Sanitary & Medical Cutters
• Defence Industry



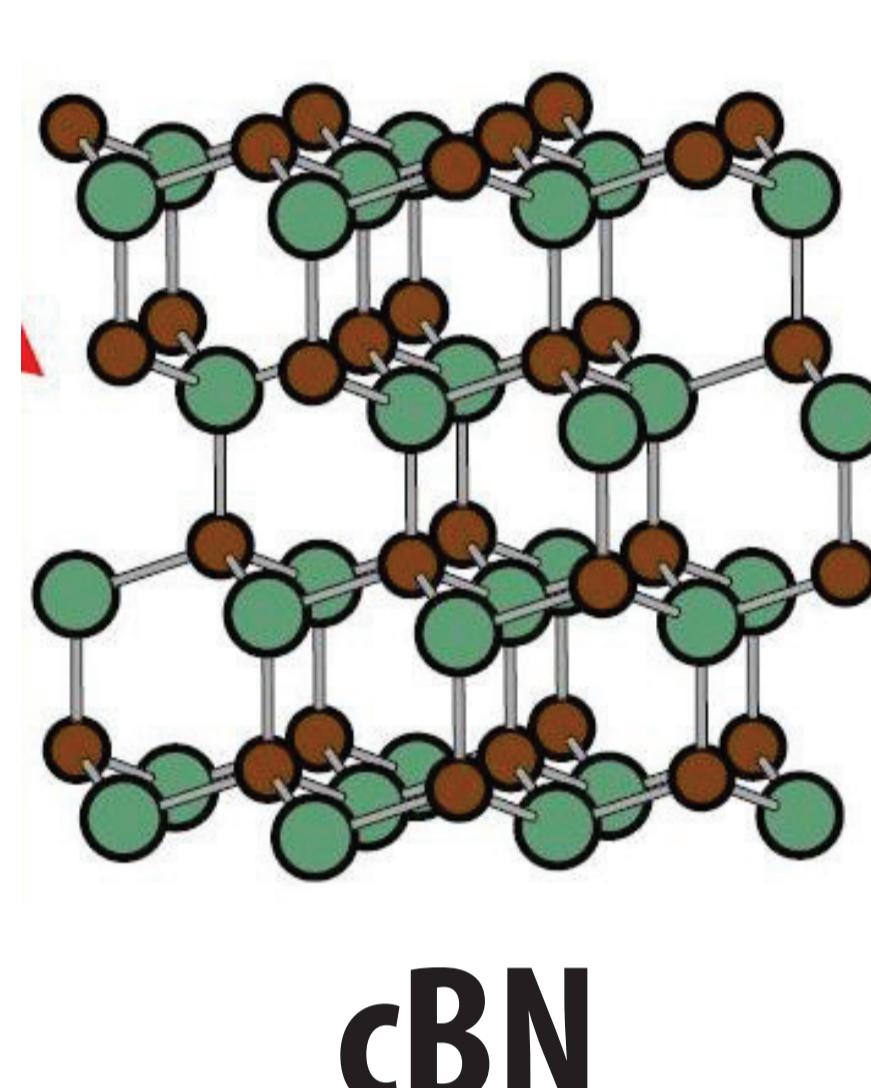
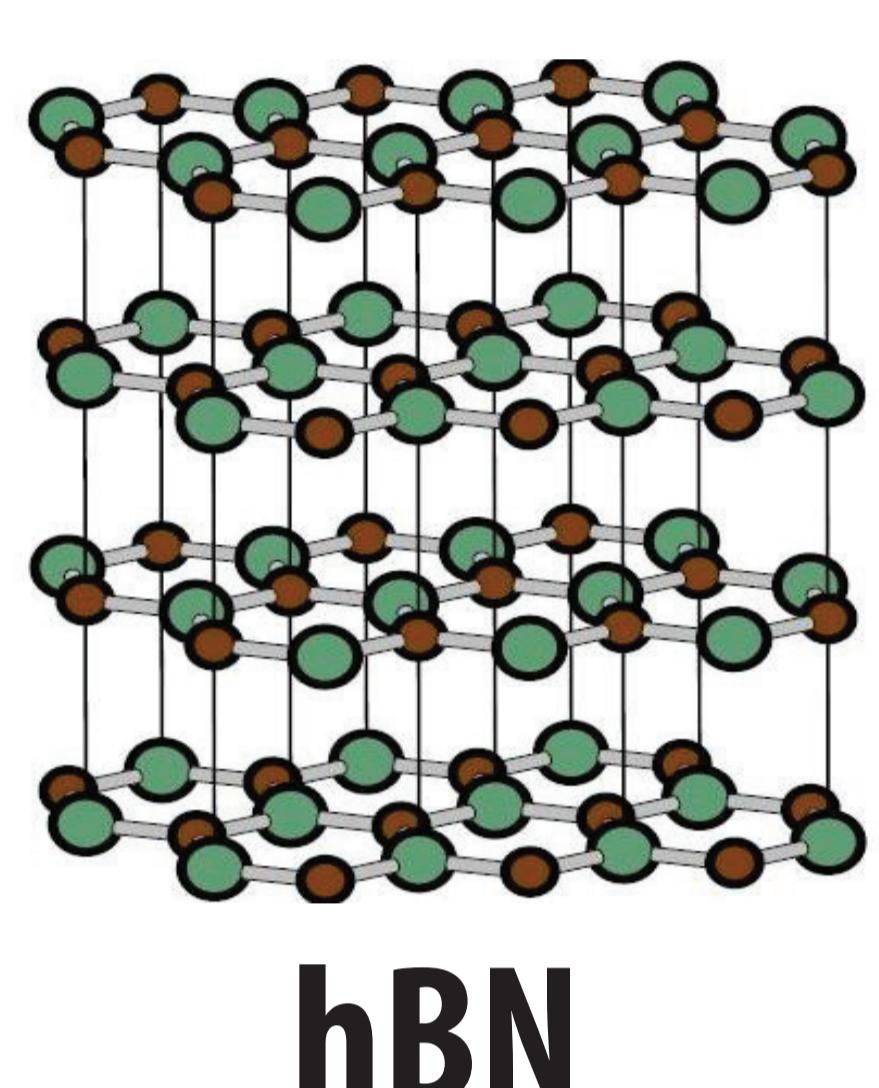
CBN KAPLAMA TEKNİĞİ ve UYGULAMA ALANLARI



GRAPHITE

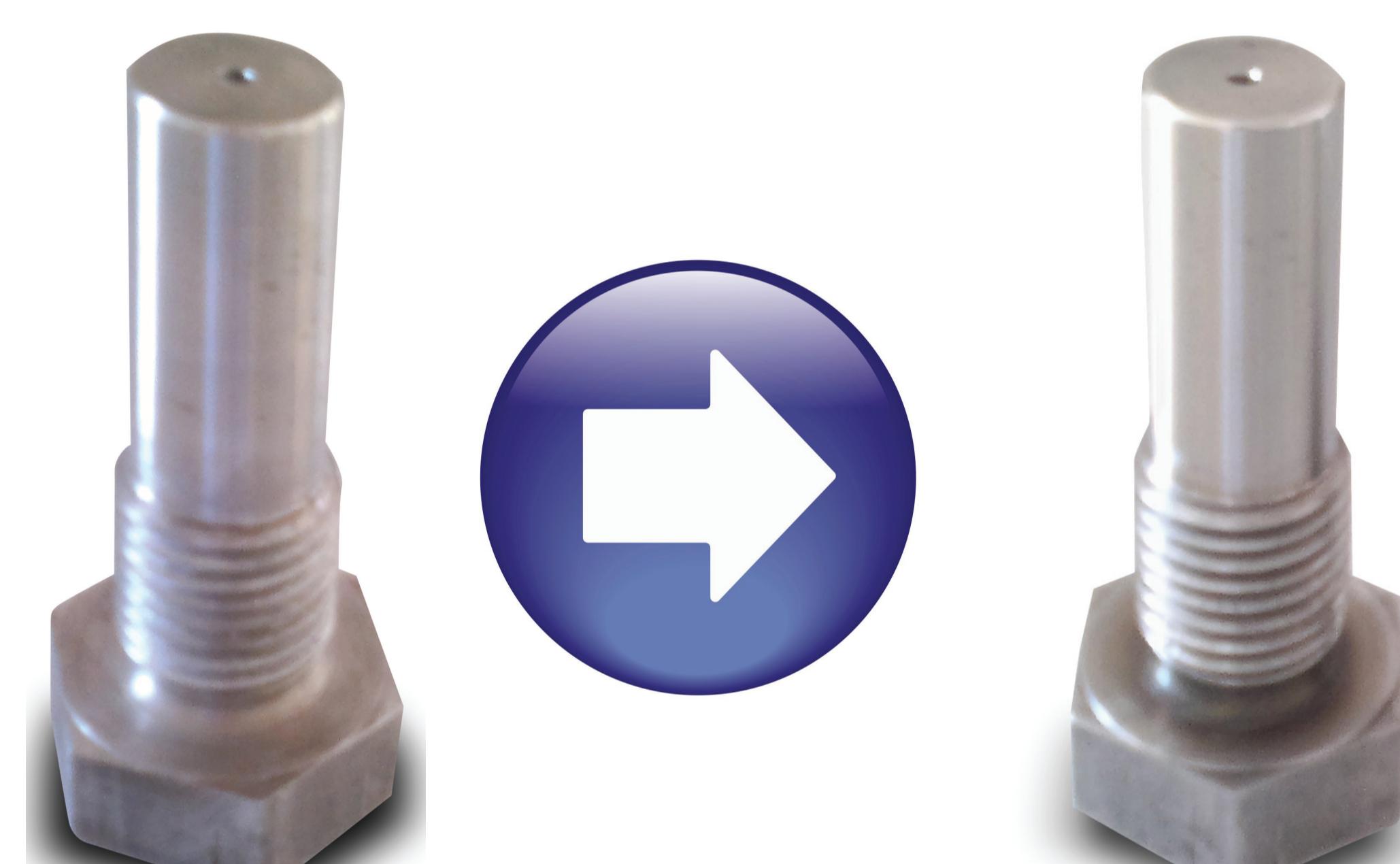
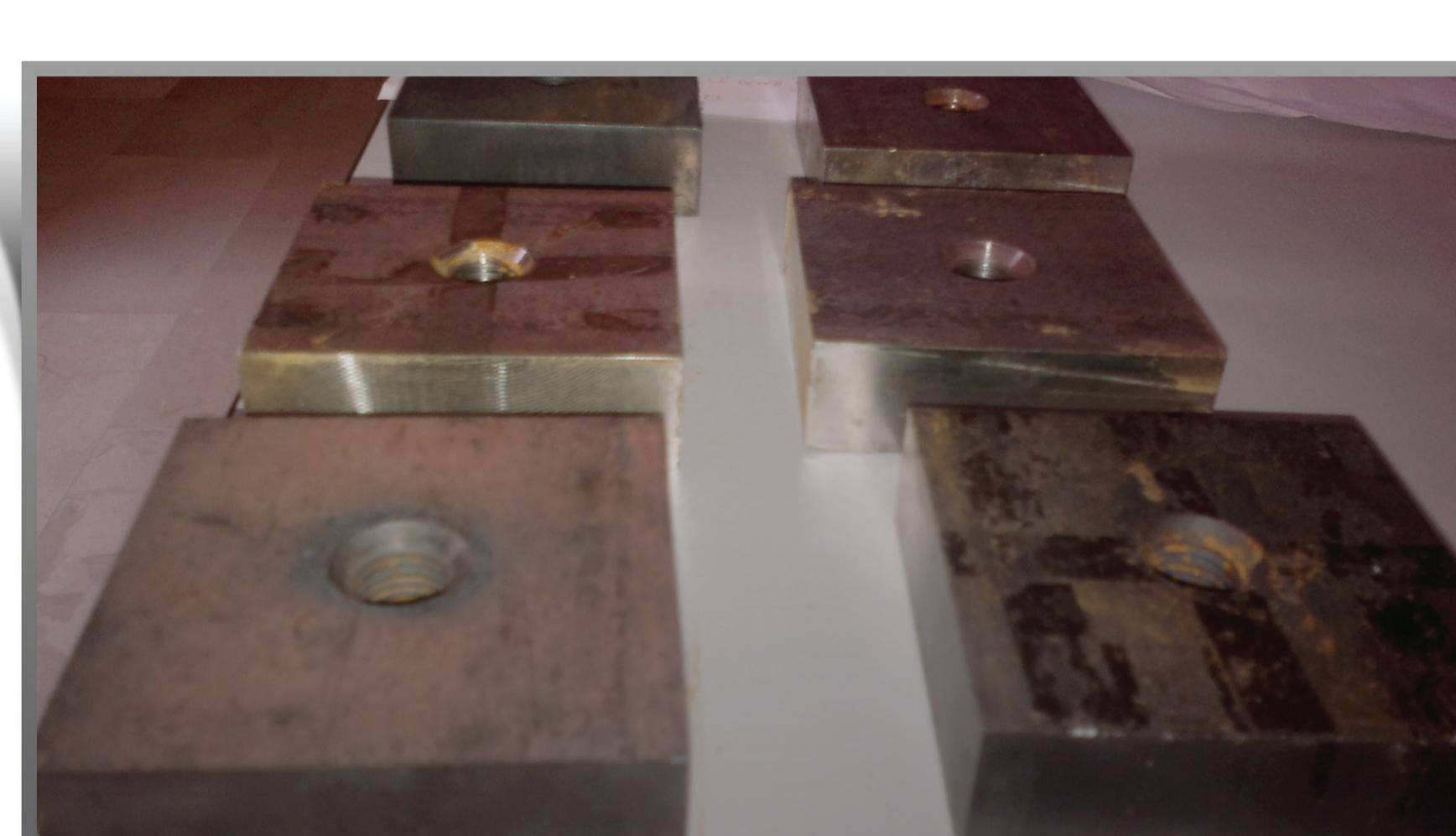
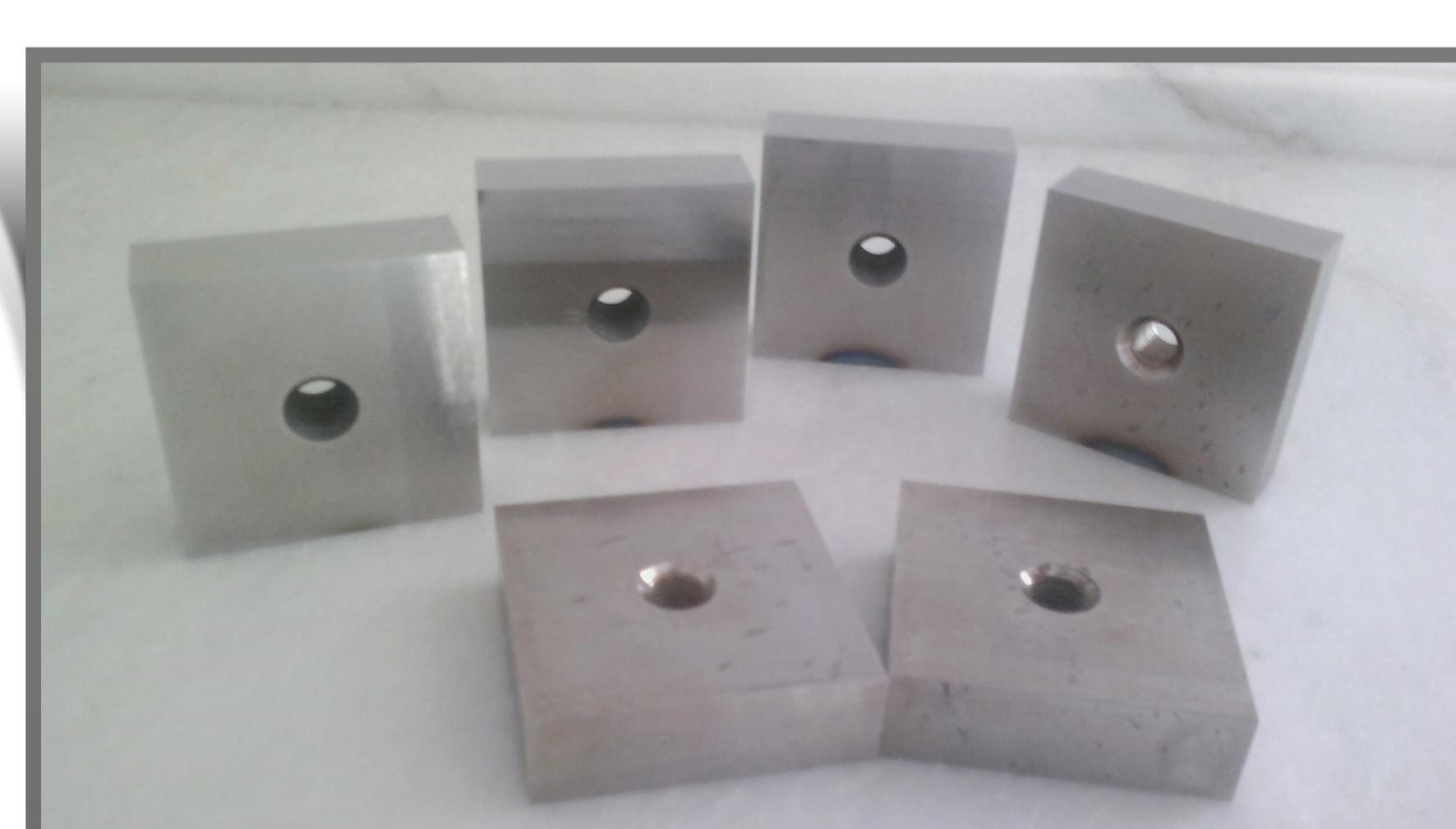


DIAMOND



KÜBİK BOR NİTRÜR (CBN):

- **Yüksek Sertlik**
(Elmastan Sonra En Sert Malzeme)
- **Isıl İletkenlik**
- **Yüksek Aşınma Direnci**
- **Yüksek Sıcaklıklarda Kararlı**
(1200- 1300 için °C)
- **Metaller İle Reaksiyona Girmez**
- **Oksidasyona Karşı Dirençli-Düşük**
- **Sürtünme Katsayısı**
- **Antibakteriyel**

Kaplanmadan
ÖnceKaplanmadan
SonraKaplanmadan
ÖnceKaplanmadan
Sonra

UYGULAMA ALANLARI

- Kesici Takımlar • Kalıplar • Sıhhi Kesiciler
- Savunma Sanayi

