

MirrorTech

TECHNICAL SPECIFICATIONS

The MirrorTech treatment is a plasma-assisted thermochemical process designed to **optimize surface quality and protect polished finish surfaces**, enhancing wear resistance, surface hardness, and dimensional stability of metal parts.

Characteristics of the treatment

- **Protection of polished surfaces:** Reduces the degradation of the mirror-polished finish due to scratches, abrasion, or wear. Maintains the piece's shine for longer.
- **Wear protection:** Increases surface hardness up to 1400 HV.
- **Corrosion protection:** Provides greater protection in aggressive environments.
- Surface can be **easily repolished** after treatment.
- **Compatible with coating processes.**
- Application temperature up to **500°C**.

Industrial applications

The MirrorTech treatment is specially designed for plastic injection molds, providing a high-hardness and low-roughness surface. This improves demolding quality, reduces wear, and extends the lifespan of the molds, ensuring a uniform and glossy finish on the produced parts. Its application is particularly beneficial in industries such as automotive, medical, packaging, and electronics.

