PLASMA POLISHING

UNMATCHED GLOSS LEVEL

Plasma polishing is an electrochemical ablative process designed to clean, finely deburr, and polish metallic components.
In one single step, it can clean welded seams, remove tarnishing, or polish surfaces. In addition, all organic and inorganic impurities are removed with minimal material loss, while the original geometric shape of the object is completely preserved.

ADVANTAGES

- Minimal, uniform surface removal
- Unmatched gloss level
- No thermal or mechanical stress
- Simultaneous polishing of outer and inner surfaces
- Improved corrosion resistance
- Approved for medical technology (ISO 13485
- Easy cleaning, decontamination and sterilisation
- Free of environmentally harmful substances
- Reduction of roughness: The Ra-value can be reduced by a factor of 10 down to 0.03 µm

APPLICATIONS

Plasma polishing is applicable to stainless steels with carbon content < 1%:

- Chrome steel (Cr alloys)
- Chrome-nickel steel (CrNi alloys)
- Cobalt steel (CoCr alloys)
- Molybdenum steel (CoCrMo alloys)

Maximum component sizes: 500 x 500 x 400 mm

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