



PLASMA ELECTROLYTIC POLISHING

CLEAN SURFACES AND UNPRECEDENTED GLOSS LEVEL

Electrolytic plasma polishing is an electrochemical treatment used to clean, deburr and polish metal parts. Plasma electrolytic polishing is a particularly suitable solution for complex workpieces.

In a single operation, welding seams are cleaned, discoloration is removed, and surfaces are polished to an optimum finish. In addition, all organic and inorganic impurities are removed with minimal loss of material, so that the original geometric shape of the object is completely preserved.

ADVANTAGES

- ▶ uniform polishing of the inner surfaces, regardless of their geometry or surface condition
- ▶ a never before achieved level of gloss
- ▶ protecting the component: No thermal or mechanical stress
- ▶ reducing roughness: The average surface roughness can be reduced by a factor of 10 to 0.03 μm
- ▶ a significant increase in corrosion resistance
- ▶ a clean surface, free from organic and inorganic contaminants for medical use
- ▶ smooth surface for easy cleaning, decontamination and sterilisation
- ▶ use of environmentally friendly electrolytes

OUR
QUALITY
LABELS

ISO 9001, ISO 14001,
ISO 13485

MATERIALS

Electrolytic plasma polishing may be used on stainless steel with a carbon content < 1%:

- ▶ chromium steel (Cr alloys)
- ▶ chromium-nickel steel (CrNi alloys)
- ▶ cobalt steel (CoCr alloys)
- ▶ molybdenum steel (CoCrMo alloys)

Bath size: 500 x 500 x 400 mm

A question? An idea? A piece of advice? Do not hesitate to contact us.