

At a glance

Smooth, clean and shiny in just one step – plasmapolishing by plasmotion offers more efficient and sustainable finishing of almost all metal alloys through its unique combination of electro-chemistry and plasma physics.



20 s - 200 s
reliable processing time



0,02 µm
achievable roughness Ra

Contact us for more information:



plasmotion GmbH
Halsbruecker Str. 34, 09599 Freiberg



+49 (0) 3731 / 37736 - 0



info@plasmotion.com



www.plasmotion.com

Plasmapolishing

the new benchmark in metal finishing

TECHNOLOGY

High-quality metal surfaces in record time - with the power of electrochemistry and plasma physics, for the first time combined in one process. The workpiece is contacted with DC voltage in an immersion bath of special aqueous electrolyte, which forms a protective vapour envelope. Here the process stabilises and leads to plasma electrolytic removal of roughness, burrs and impurities - in a uniquely fast and uniform way.

APPLICATIONS

Plasmapolishing impresses with its unique advantages wherever high reliability and quality count.



Materials

only with plasmotion: stainless steels, titanium, tool steels, brass copper, aluminium, CoCr, precious metals, Invar, Nitinol, etc.



Industries

medical, mechanical eng., life sciences, toolmaking, automotive, dental & additive manufacturing

ADVANTAGES

1

Fully automated instead of manual labor

Plasmapolishing reliably achieves roughness and gloss levels that were previously often only possible with manual rework – especially on complex shapes.

2

Time saving with 3 processes in 1

During plasmapolishing, the workpiece is both cleaned, polished and deburred – with a precise surface finish and outstanding geometric fidelity.

3

Force-free and shape-independent machining

The unique working mechanism at plasmotion allows processing without significant thermal or mechanical stress, even with delicate shapes.