



surface
technologies

Do you want to extend your processing times?
Reduce maintenance costs and increase
production numbers?

**Let Stainihard® help you
increasing the performance
of stainless steel parts!**



Stainihard® NC

Stainihard® NC is a low-temperature diffusion process for surface hardening stainless steel parts such as plungers, valves, bushings and many others! Stainihard improves wear resistance and prevents galling in, for example, metal-to-metal pumps, seals and bearings. Thus ensures longer operating times and less necessary maintenance! The Stainihard treatment does not change the material composition and is therefore safe to use in food industry applications.

Please contact us to learn more about this process and their advantages

Stainihard® examples in food industry

- pumps & valves
- filling & dosing systems
- vegetable processing
- candy and sugar processing
- meat processing machines
- packing machines

Stainihard® a good alternative to:

- hard chrome plating
- nickel plating
- nitriding treatments
- ceramic coatings
- plastics



Stainihard® properties

- enhanced wear resistance
- high resistance against cold welding/galling
- low friction coefficient
- high resistance against slip
- improved hygiene properties
- good corrosion resistance is still maintained
- stainless steel remains stainless steel

Stainihard® benefits?

- better performing due to improving mechanical properties
- no coating, so no risk of delamination and cracks
- preservation of food-safe, smooth surfaces
- resistant to acids, salts and cleaning agents
- safe for food, no strange elements are added
- meets regulatory requirements EU CM/RES(2013)9 and FDA



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