



surface
technologies

Get rid of that nasty cold welding & galling
of stainless steel?
And just loosen and tighten multiple times?

**Let Stainihard® be the
smart upgrade for your
stainless steel fasteners!**



Stainihard® NC

Stainihard® NC is a low-temperature diffusion process for surface hardening stainless steel fasteners such as bolts, nuts and washers! Stainihard improves wear resistance and prevents galling in many types of joints. This also ensures that products are reusable, have no loss of torsion due to friction and, in many cases, better fatigue strength. The Stainihard treatment does not change the composition of the material and is therefore also safe for use in the food industry but also in a lot of other industries.

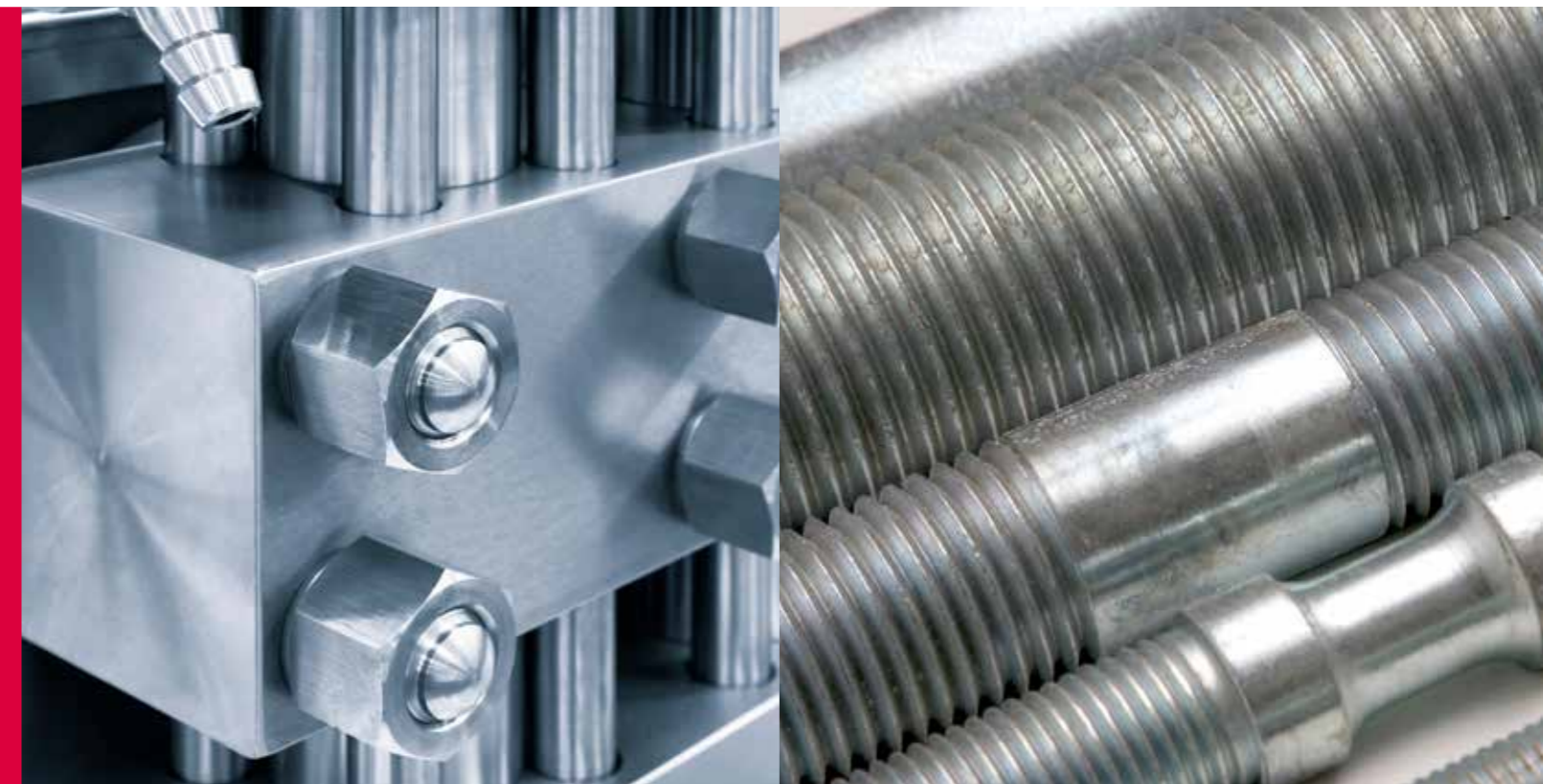
Please contact us to learn more about this process and their advantages.

Stainihard® examples in fasteners

- special bolt, screws and nuts
- ferrule fittings
- tube fittings
- washers
- springs

Stainihard® a good alternative to

- silver plating
- hard chrome plating
- nitriding (high temperature)
- lubricants
- wax



Stainihard® properties

- high resistance against cold welding/galling
- repeatable use
- enhanced wear resistance
- low friction coefficient
- high resistance against slip
- Increase of the fatigue strength
- stainless steel remains stainless steel

Stainihard® benefits

- a surface hardening zone inside the material
- no coating, so no risk of delamination and cracks
- perfect fit in existing designs
- up to 5x longer lifespan
- safe for food, no strange elements are added
- meets regulatory requirements EU CM/RES(2013)9 and FDA



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