

WIDE RANGE OF HIGH-QUALITY SURFACE TREATMENTS

RACK TECHNOLOGIES

On our rack lines, we can offer you Zn and ZnNi treatment. One of our main advantages is optimisation of racks with tilting to offer highest quality of the final product. A technology that can give you the most even and homogenous coating layer is being used, and with the cooperation of the world's biggest chemistry suppliers, we are able to offer you the needed galvanic protection. As one of only a few companies, we also offer black passivation colour.



BARREL TECHNOLOGIES

Due to the size of our barrels, we are able to offer you electroplating even of smaller quantities. Since we do have barrels with different perforations, we can electroplate all different kinds of part dimensions with electrolytes Zn and ZnNi, Ni, NiSn, Sn, SnPb and ZnPh. We do have cables and discs in our barrels; therefore, we are also able to electroplate more delicate parts such as compression springs and parts with threads.

Different types of passivation are offered, including ZnNi blue and black passivation.

QUALITY MANAGEMENT SYSTEM

- IATF 16949, ISO 9001 and 14001 certified
- X-ray machines for measuring thickness of coatings
- Salt spray chamber for measuring the resistance of coated objects to corrosion

ZINC-NICKEL PLATING

Zinc-nickel coatings are resistant to corrosion at **temperatures up to 180°C** and are therefore also suitable for components in internal combustion engines where pure zinc coatings fail.

Finishing post treatments: black, blue or transparent, top coats are optional and are Cr(VI)-free.

Layer thicknesses: 5 - 10 µm



ZINC PLATING

Steel components with zinc plating are well **protected against red rust** and as such is indispensable in many industries. Subsequent treatment is highly recommended to assure better protection against white corrosion. Surface can be adjusted from matt to glossy.

Finishing post treatments are available in blue, black or transparent and are Cr(VI)-free. Top coat sealings are optional. Heat treatments (tempering) can be carried out after the coating process.

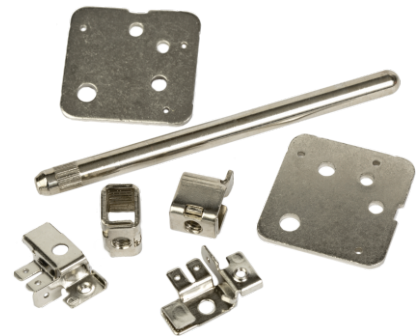
Layer thickness: 8 - 15 µm

NICKEL PLATING

Nickel has diverse properties and is therefore almost **universally applicable**. Nickel layers are characterised by high resistance to atmospheric corrosion, many acids, sea water or alkali solutions and is valued also for its **tribological benefits**, such as wear resistance and slipperiness.

Its silvery white look with slightly yellowish tone can be adjusted from matt to glossy, ideal for decorative applications.

Layer thickness: 2 - 12 µm



TIN PLATING

Tin plating can be applied to several different materials like steel, stainless steel, copper, brass, aluminium and die cast zinc. Galvanic tin coatings are proven to be very flexible and show good resistance to corrosion and oxidation, **excellent solderability and lubricity**.

We offer high lustre lead-free tin plating, lead/tin alloy plating, nickel/tin systems.

Layer thickness: 2 - 10 µm



PHOSPHATING

Phosphating is a chemical process for treating the surface of steel, where barely soluble metal-phosphate layers are formed on the base material.

The layers created are **porous, absorbent** and suitable as a conversion layer for subsequent powder coating without further treatment.

Coating weight: 2 - 6 g/sqm

