

2023 Product Optimisation and Upgrading Report

Report on Zinc-nickel Alloy Surface Treatment

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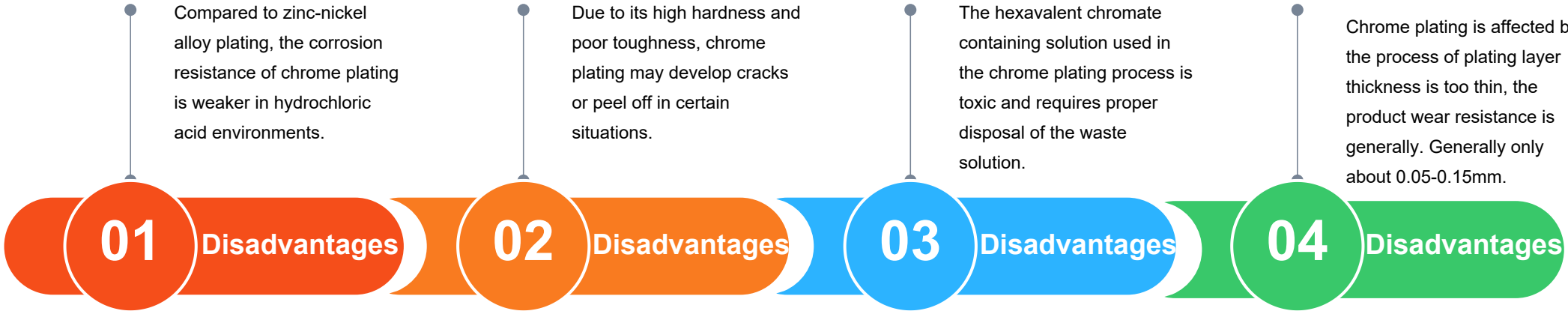
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Report Summary

Metalwork market pain point - red rust

Based on customer feedback and research on actual market data, it has been found that the mainstream metal surface treatment method on the market is chrome plating. However, this process has a common issue of easy corrosion and rusting of product components.



Zinc-nickel Alloy Surface Treatment

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01

High corrosion resistance:

Compared to chrome plating, galvanized nickel alloy has stronger corrosion resistance, at the same time, galvanized nickel alloy can pass the 500-Hours salt spray test.

02

Good adhesion:

The galvanized nickel alloy layer has strong adhesion to the metal substrate surface and is not easily peeled off.

03

Electromagnetic shielding:

Zinc-nickel alloy has a certain electromagnetic shielding effect, suitable for occasions that require electromagnetic shielding.

04

High quality craftsmanship:

The zinc-nickel alloy process is now mainly used in aerospace, military equipment and medical devices with good processability.



Before

and

After

zinc-nickel treatment





Before

and

After

zinc-nickel treatment



Report Summary

"We will gradually phase out the metal treatment method of chrome plating, and all product accessories will be surface treated with more advantageous zinc-nickel alloy."

All images in the report are actual photographs. The products used in the report are experimental examples, please feel free to contact us for more details.



Thank you

