riag Ni 149

Savings in material costs
(up to 25%)

Productivity increase
(up to 25%)

Reduction of energy
costs

Improved layer thickness
distribution

Very ductile coatings

Boric acid-free

Fluently changeable

Swissmade

riag

excellence in plating solutions

aalberts

riag Ni 149
Next generation of nickel deposition

riag

excellence in plating solutions

With the aim of meeting the upcoming legal challenges regarding the substitution of boric acid, **riag Oberflächentechnik AG** has brought a modern, decorative bright nickel system onto the market, which is characterized by very interesting advantages:

1. Extension of working window:
riag Ni 149 allows coating at higher pH values. This means that plating can now be carried out between pH 3.8 and pH 5.2 without burning being observed in the high current density range.

2. Improved layer thickness distribution:
Probably the most interesting property of **riag Ni 149** is the more uniform coating thickness distribution, which allows significantly shorter coating times.

3. Reduced additive consumption:
Since the degradation of additives depends, among other things, on the pH value, **riag Ni 149** makes it possible to adjust the coating parameters in such a way that the additive consumption is significantly reduced.

4. Improvement of ductility:
Efficient suppression of nickel hydroxide formation with **riag Ni 149** largely prevents embrittlement of the nickel layer.

5. Full compatibility with boric acid:
This ensures a seamless transition from boric acid to **riag Ni 149** without having to interrupt production.

Apparently, due to a lack of necessity, the industry has resigned itself to boric acid as a central component of nickel electrolytes, so it never occurred to anyone that there might be something better. riag Oberflächentechnik AG sees itself as an innovation driver and is happy to accompany its customers on the path of continuous process improvements.

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