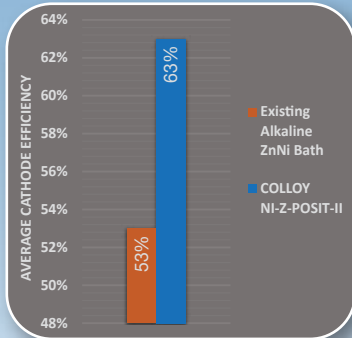


COLLOY[®] NI-Z POSIT-II

Process For Alkaline Zinc-Nickel Plating
Provides Benefits You Can't Afford To Ignore



INCREASED PLATING SPEED

COLLOY[®] NI-Z-POSIT-II based plating solutions can provide increases of up to 10% in cathode efficiency when compared to most existing NaOH based alkaline zinc-nickel baths. Increased plating speeds drive throughput and reduce related energy expense.



Mandrel Bend Test

EXCELLENT DUCTILITY

Deposits plated from COLLOY[®] NI-Z-POSIT-II with a 12% - 15% Ni content can be subjected to bending or crimping operations after plating. The excellent ductility of the deposit helps minimize the occurrence of cracking so that corrosion resistance is not adversely affected. Excellent deposit ductility is a critical factor to minimize scrap or re-work material.



BRIGHTNESS WITHOUT DEPOSIT STRESS

COLLOY[®] NI-Z-POSIT-II provides a bright alkaline zinc-nickel deposit rather than the semi-bright or matte appearance more commonly obtained. Brightener additions help reduce stress in the deposit and increase ductility, so delayed blistering and burning in high current density areas is eliminated. Improved brightness will greatly enhance the final appearance of clear, blue and black trivalent passivation layers.

Contact us to request a comparative bath analysis!

100% Employee-Owned
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COLUMBIA[®]

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Your Global Plating Partner