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TROUBLE SHOOTING GUIDE

MARQUEE ENVY ELECTROLESS NICKEL

02-05-21

PROBLEM	CAUSE	SOLUTION
Poor adhesion to substrate	Poor cleaning prior to plating Organic contamination Metallic contamination	Improve the cleaning process Dump bath Dummy plate
Bath plate out	Temperature too high pH too high Additives out of balance Nickel build-up on equipment	Lower the temperature Lower the pH Adjust additives Strip and passivate tank
Slow plating rate	Temperature is too low pH is too low Additives out of balance Metallic contamination	Increase the temperature Increase the pH Adjust additives Dummy plate
No deposit	Temperature is too low pH is too low Metallic contamination Organic contamination Additives out of balance	Increase the temperature Increase the pH Try to dummy plate Dump bath Adjust additives
Pitting	Low agitation Organic contamination Metallic contamination	Increase agitation Dump bath Dummy plate
Dull deposit	pH is too low Organic contamination Metallic impurities Additives out of balance	Increase the pH Dump bath Dummy plate Adjust additives
Rough deposit	pH is too high Particulate in bath Additives out of balance	Lower the pH Improve filtration Adjust additives
Dark deposit	Metallic contamination Organic impurities	Dummy plate Dump bath
Streaks and/or patterns	Metallic contamination Organic contamination Low surface area	Dummy plate Dump bath Increase surface area
Blisters	Poor cleaning prior to plating Metallic contamination Organic contamination Temperature is too high	Improve the cleaning process Dummy plate Dump bath Lower the temperature