

ECHO ENGINEERING

Utilize Proper Masking Plugs to Eliminate Re-Work

Problem: Surface finishers sometimes run into the issue of having paint seeping into holes even though a masking plug is present.

Solution: When contamination is still occurring with masking coverage, the contamination is most likely due to

using an inadequate masking solution. When choosing a masking solution, first, think of the basics: diameter, temperature rating, chemicals, and cure time. The diameter of the plug needs to be slightly larger than the hole size, and the plug needs to be the right material for the process, as well as having a high enough temperature rating to endure the cure time. Next, look at the application. For high temperature finishing processes, plugs with leading and exit flanges are best to mask weld nut threads, hollow plugs work to protect blind holes of similar sizes, and plugs with a counter sink flange are efficient in masking off a chamfer. For low temperature protection, plugs with a thick flange provide a grounding area around the hole, while self-tapping plugs are perfect for a custom seal to a threaded hole. With the right masking solution, surface finishers will reduce labor costs, time, and improve profits.



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