



Conductive Paint Process Summary

Conductive Paint Process

Cybershield offers conductive paints with a wide range of shielding effectiveness and cost from nickel, nickel graphite, silver plated copper, silver - copper hybrid, and silver and other conductive paints to meet the customer requirements. Conductive paints are available in both water and solvent base.

With custom masking fixture, spray conductive paint onto part per customer masking requirements. The conductive paint is cured. Conductive paint dry film thickness is defined by the customer resistivity requirement.

Application of the conductive paint is completed in a robotic paint cell where the paint robot spray pattern is determined by Cybershield engineers to meet the customer masking pattern and resistivity requirements. For prototype and low volume applications, the conductive paint is applied manually by a trained operator.

Inspect Painted Parts

Measure surface resistivity
Measure paint dry film thickness
Measure adhesion using ASTM 3359 Test Method
Measure paint pattern versus customer print

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