



Tin Plating

Tin plating is a typical material used in engineering, communications and consumer products. Not to mention, this material offers an affordable finish, electric conductivity, and excellent corrosion protection. LEPL utilizes Tin for specific metal plating projects that require many of the attributes listed above. Both bright Tin and matte (solderable) finishes are available for plating. The former being preferred for electrical contact solutions where soldering is not necessary. It is worth noting that matte Tin plating does have a limited life when used in soldering. LEPL can improve the solderability life span through preparation of the substrate and properly specifying the deposit.

Parts are rack or barrel plated to ASTM B 545 standard thicknesses from 0.0001" to 0.00006", depending on the base metal and application. Pure 99.5% tin is used for both selective and complete plating of parts. The color of our coatings ranges from gray to white, with matte to bright finishes, depending on the alkaline or acid process used

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CAPABILITIES

Substrates	<ul style="list-style-type: none">• Aluminum• Brass• Copper• Stainless Steel
Plating Capabilities	<ul style="list-style-type: none">• Barrel Plating• Rack Plating
Additional Capabilities	<ul style="list-style-type: none">• Anti-Tarnish with exceptional protection• Parts Stripping• Parts-Cleaning Plugging
Underplating Options	<ul style="list-style-type: none">• Copper• Nickel
Standards Met	<ul style="list-style-type: none">• ASTM B 545
Finish	<ul style="list-style-type: none">• Bright• Matte

ASTM B 545 SPECIFICATIONS

Purity	<ul style="list-style-type: none"> • 99.5%
Thickness Classes	<ul style="list-style-type: none"> • A - 0.0001" • B - 0.0002" • C - 0.00032" (0.0004" for steel) • D - 0.0006" (0.0008" for steel) • E - 0.0012" • F - 0.00006"
Post Treatment Classes	<ul style="list-style-type: none"> • Class S With supplementary tarnish-resistant treatment

ADDITIONAL INFORMATION

Applications	<ul style="list-style-type: none"> • Bearing Surfaces • Electric Bus Bars • Electrical Contacts • High-Tech Electronic Components
Industries Served	<ul style="list-style-type: none"> • Aerospace • Automotive • Telecommunications • Computer Electronics • Household Appliances • Medical Equipment • Tool & Die
Certifications	<ul style="list-style-type: none"> • ISO 9001:2015 Certified • ISO 14001:2015 Certified • ISO 45001:2018 Certified • RoHS Compliant • REACH Compliant • SA 8000:2014 Certified
Quality System Features	<ul style="list-style-type: none"> • Dedicated to company-wide continuous improvement • In-house testing facilities
Environmental System Features	<ul style="list-style-type: none"> • ETP & Air scrubbers installed for air & water treatment

Professional Associations and Awards	<ul style="list-style-type: none">• Member of NEA (Noida Entrepreneur Association)
Service Features	<ul style="list-style-type: none">• A staff that understands the importance of quick response for our customers Production scheduling and production flexibility that minimize turnaround time