



REFLOW TIN COIL



Why Reflow Tin?

Reflow tin is a 99.9% pure tin, high speed process. It is a very efficient solution and has been proven to mitigate the growth of tin whiskers with excellent solderability compared to electroplated tin.

Additional benefits are improved contact resistance, reliability and insertion force with excellent formability during the stamping process. Reflow tin is **RoHS** compliant.

In the reflow tin process tin is first deposited onto the substrate with a matte appearance. It is then heated to above its melting point which allows a diffusion between the tin and the underlying layers. After reflowing the appearance is a uniform bright reflective finish, and it keeps this appearance after cooling.

Reflow tin has a uniform tin distribution and thinner tin thickness than conventional tin plating without sacrificing the performance resulting in lower metal cost.

Here at Cooper Plating, we offer this above process with the option of a copper and/or nickel under plate in continuous coil process.



One of Cooper's Reflow Lines



Coil winding



Finished Reflowed Coil