



1351 South Girls School Road, Indianapolis, IN 46231  
 Phone: 317-241-7600 Fax: 317-248-2352  
 ISO 9001 & ISO 14001 Registered Company

### Sumco Plating and Handling Capabilities

Plating Finish	Max Plating Thickness	Coil ID Size	Coil Max OD	Max Weight	Max Gauge	Max Width
Reflow Tin	120u" (3um)	16,20" (406,508mm)	54"(1372mm)	8800 Lbs (4000 Kgs)	0.08" (2.0mm)	14" (356mm)
Matte Tin	320u" (8um)	12,16,20" (305,406,508mm)	54"(1372mm)	7800 Lbs (3550 Kgs)	0.16" (4.0mm)	18" (457mm)
Bright Tin	200u" (5um)	12,16,20" (305,406,508mm)	54"(1372mm)	7800 Lbs (3550 Kgs)	0.16" (4.0mm)	14" (356mm)
97/3, 95/5, 90/10, 60/40 Tin Lead	200u" (5um)	12,16,20" (305,406,508mm)	54"(1372mm)	7800 Lbs (3550 Kgs)	0.16" (4.0mm)	18" (457mm)
Copper	100u" (2.5um)	12,16,20" (305,406,508mm)	54"(1372mm)	7800 Lbs (3550 Kgs)	0.16" (4.0mm)	18" (457mm)
Nickel	100u" (2.5um)	12,16,20" (305,406,508mm)	54"(1372mm)	7800 Lbs (3550 Kgs)	0.16" (4.0mm)	14" (356mm)
Silver	320u" (8um)	12,16,20" (305,406,508mm)	54"(1372mm)	7800 Lbs (3550 Kgs)	0.16" (4.0mm)	9.5" (241mm)
Gold	100u" (2.5um)	12,16,20" (305,406,508mm)	54"(1372mm)	3900 Lbs (1800 Kgs)	0.16" (4.0mm)	6.5" (165mm)
Palladium	100u" (2.5um)	12,16,20" (305,406,508mm)	54"(1372mm)	3900 Lbs (1800 Kgs)	0.16" (4.0mm)	6.5" (165mm)
Continuous Parts on Reels	As Listed Above	0.75-3.00" (19-76mm)	60" (1524mm)	1000 Lbs (455 Kgs)	.06" (1.5mm)	12" (305mm)
Traverse Wound Reels	As Listed Above	1.50" (38mm)	24" (610mm) Flange	500 Lbs (227 Kgs)	.16" (4.0mm)	0.75" (19mm)

- \*Above represents our general capability guidelines for overall plating on reel to reel solid strip coils in pancake form other than where listed.
- \*Please call to discuss parameters that fall outside these guidelines before no quoting.
- \*Selective plating and continuous parts plating are design dependent and some limitations will apply. A drawing will be required and they will be considered on a quote by quote basis.
- \*Sumco can offer plating on individual pieces or coupon samples that will need to be discussed on an individual basis.
- \*Same capability guidelines apply to material that have a barrier layer underneath the listed plating types.
- \*96/4 Tin Silver, Zinc, AIRTech (Aluminum Inlay Replacement) plating, Anti-Tarnish Treatments, and Ink Indicator/Marking available upon request.
- \*Plating available onto Copper, Brass, Phos Bronze, High Performance Alloys, CuNiSn, Nickel Silver, Nickel, Steel, Stainless Steel, Aluminum, and Zinc base materials.
- \*Gauge exceptions: Minimum gauge is 0.003"(.076mm) . Gauges below .007", widths below .250", and soft tempers may limit some of the capabilities listed above.
- \*Width Exceptions: minimum width is 0.200" . Up to 0.20" gauge may be possible but would need to be reviewed on an individual basis.
- \*Material gauges over .050" will require an out going 16" ID.
- \*Sumco will not guarantee the solderability of zinc bearing alloys without at least a 50u" Copper barrier layer.
- \*Sumco will not guarantee the ductility of nickel plating over 50u".
- \*Sumco will not guarantee the visual appearance of Reflow plating on .040-.080" gauge material or with a nickel only barrier layer or with a tin thickness greater than 80u" (2um).