

Manufacturing program

Last update: 7th March 2022

The following table gives an overview of the standard reel-to-reel electro- plating program at IONICS. For other requests, please do not hesitate to contact us.

Metal	Substrates	Plating	Underlayer	Full plating	Selective immersion	Strip plating	Spot plating
Nickel	coppery, ferrous, stainless steel	Nickel		Yes	Yes		
Tin	coppery, ferrous, stainless steel	Tin bright Tin matt	Nickel Copper	Yes	Yes		
Copper	coppery, ferrous, stainless steel	Copper		Yes	Yes		
Gold	coppery, ferrous, stainless steel	Gold	Nickel Copper	Yes	Yes	Yes	Yes*
Silver	coppery, ferrous, stainless steel	Silver (+ anti-tarnish)	Nickel Copper	Yes	Yes		

Full plating

This technique requires that the strip is completely submerged in the electrolytes.

Selective immersion plating

The strip is partially plated during the process by means of a dipping depth control.

Strip plating

This technique allows applying stripes on solid and stamped strips.

Spot plating

This technique allows depositing repeatable, 2-dimensional gold-structures, on one side or both sides of solid and stamped strips.

Plant dimensions and max. speed**

Ag-plating: 90 meters long; 9 m/min
Au-plating: 200 meters long; 12 m/min

Dimensions of the strip

Maximum height: 90 mm
Minimum thickness: 0.3 mm

Remark

The data of the present technical data sheet are not contractual and may be amended in line with technological progress relating to the product.

* on demand

** depends on the layer thickness