








Plating services

Luma Metall has been gold plating tungsten and molybdenum wire since 1954. We then supplied this wire to manufactures of electron tubes.



As of today we supply plated wire for applications like:

-  Satellite Antennas
-  Digital printing
-  Medical guide wire
-  Drift chamber sense wire
-  Connectors
-  Medical stents
-  Testing of Integrated circuits

In addition to electroplating of the tungsten and molybdenum that we re-draw ourselves, we also offer custom plating service for several other types of substrate metal wire.

The plating material that we currently work with is:

- Gold
- Silver
- Nickel

Our plating technology will provide oxidation resistance and improved wettability for soldering.

We have multiple lines available for reel to reel plating and our speciality is high quality electro plating of thin wire sizes. Typical coat thicknesses are within the range of 0.1 - 3 microns.

We will consider any type of substrate wire and our technical team will co-operate with you to ensure that the coating will have the most appropriate characteristics for your application.

Below you will find some specific materials and the corresponding available wire dimension.

Type of wire	Diameter range	
	ø mm	ø inch
Copper	0.05 - 0.3	0.00196 - 0.0118
Beryllium copper	0.05 - 0.3	0.00196 - 0.0118
Stainless steel	0.05 - 0.3	0.00196 - 0.0118
Brass	0.05 - 0.3	0.00196 - 0.0118
Monel	0.05 - 0.3	0.00196 - 0.0118
Silver	0.05 - 0.3	0.00196 - 0.0118
Tungsten	0.005 - 0.2	0.0002 - 0.00787
Tungsten-Rhenium	0.005 - 0.2	0.0002 - 0.00787
Molybdenum	0.015 - 0.2	0.00059 - 0.00787