

Silver inlay copper strips

Clad metal manufacturing, more than 10 years manufacture experience, attained ISO9001, work on OEM and ODM projects..

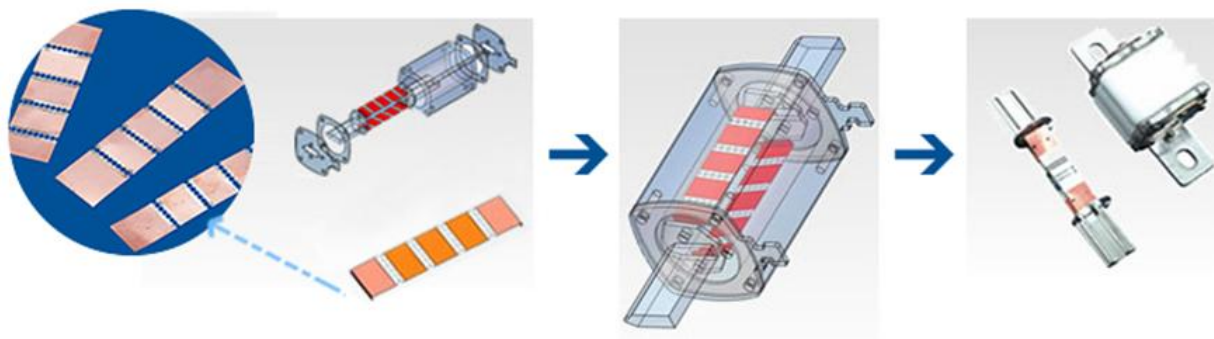
1.Introduction of the silver inlay copper strips

Silver inlay copper strip is a new technical material, based on different industry needs, formed by advanced indoor temperature composite technology or hot composite technique.

It is rolled with different alloy material and base material strip. After well composited, its electrical character and wearability are much better than single precious metal (such as gold and silver).

2. Application of silver inlay copper strips

Mainly used for all sorts of electrical component production, such as, micro motors, electrical brush, commutator, jiggle plug/socket, relay, connector, tuner, etc.
 It is also suitable for continuous automatically manufacture.



3. Main Materials for silver inlay copper strips

Main face Materials: Ag, AgNi, AgCdO, AgSnO₂, AgSnO₂In₂O₃, AgZnO,
 Main base materials: Cu, CuNi , Brass

Material Series	Composition (%)	Hardness (Hv)	Electrical Conductivity (%IACS)	Density (g/cm ³)
Ag	Ag 99.95	30~70	104	10.5
	Ag 99.85,Ni 0.15	35~75	102	10.5
AgCu	Ag 80,Cu 20	75~125	82	10.2

	Ag 75,Cu 25	80~130	75	10.1
AgNi	Ag 90,Ni 10	80~100	90	10
	Ag 85,Ni 15	85~105	85	9.9
AgSnO ₂	Ag 92,SnO ₂ 8	70~115	85	10
	Ag 90,SnO ₂ 10	70~125	83	9.9
	Ag 90,SnO ₂ 10	80~120	75	9.6
AgSnO ₂ In ₂ O ₃	Ag 92,SnO ₂ In ₂ O ₂ 8	70~115	80	10
	Ag 90,SnO ₂ In ₂ O ₃ 10	80~120	75	10
	Ag 88,SnO ₂ In ₂ O ₃ 12	80~125	70	10

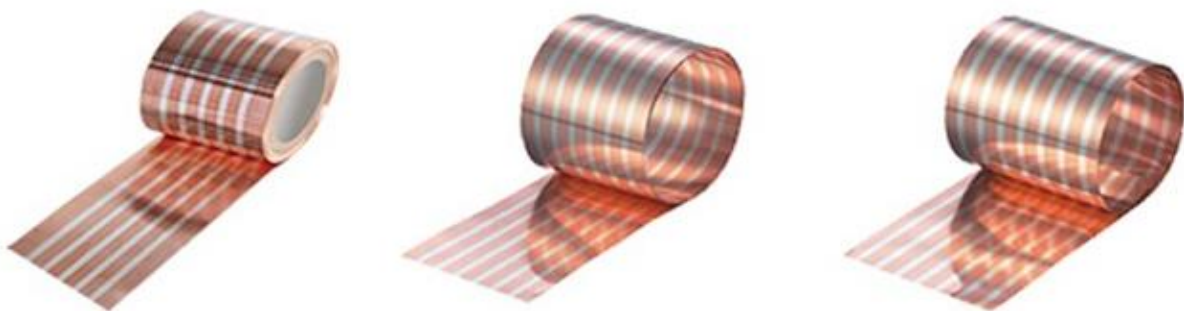
4.Specification of silver inlay copper strips

Dimensions can be customized

Total Width	Silver Width	Total Thickness	Silver Thickness	Total Width Tolerance	Total Thickness Tolerance
1.5-60	1.5-60	0.1-0.5	0.05-0.3	±0.5	±0.03
1.5-60	1.5-60	0.6-1.5	0.05-1.0	±0.1	±0.05
1.5-60	1.5-60	1.6-3.0	0.05-1.5	±0.2	±0.08

5. Product types for silver inlay copper strips

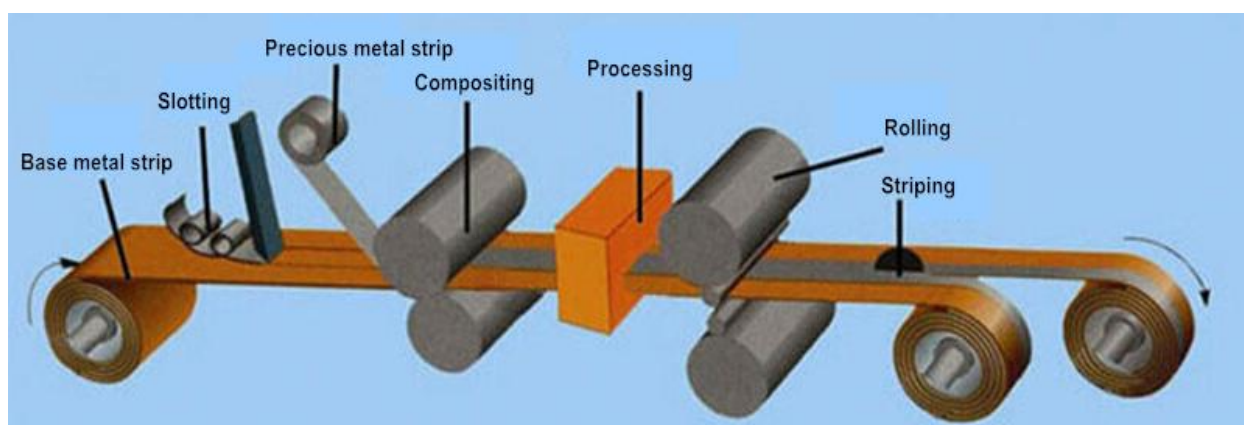
One layer inlay, two layers inlay, Multi-layers inlay



6. Process of silver inlay copper strips

General technological process for inlay strips

Order	Process
1	Copper strip slotting
2	Surface treatment
3	Hot composite
4	Diffusion annealing
5	Cleaning
6	Precision rolling,
7	Striping processing
8	Forming to rolls
9	Test and Inspection
10	Packing



7. Manufacture plant of silver inlay copper strips

Germany Hi-precision Roller Machine; Hi-precision Vertical Cutting Machine; Slotting Machine; High-precision punch machine.



8. Mill certificate for silver inlay copper strips

Test Report

报告编号 RLSHF001356170001
 Report No. RLSHF001356170001

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检测要求 根据客户要求，对所提交样品中的铅(Pb)，镉(Cd)，汞(Hg)，六价铬(Cr(VI))进行测试。
Test Requested As specified by client, to test Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium (Cr(VI)) in the submitted sample(s).

检测依据 Test Method

测试项目 Tested Item(s)	测试方法 Test Method	测试仪器 Measured Equipment(s)	方法检测限 M.D.L.
铅(Pb) Lead (Pb)	IEC 62321:2008 Ed.1 Sec.9	ICP-OES	2mg/kg
镉(Cd) Cadmium (Cd)	IEC 62321:2008 Ed.1 Sec.9	ICP-OES	2mg/kg
汞(Hg) Mercury (Hg)	IEC 62321:2008 Ed.1 Sec.7	ICP-OES	2mg/kg
六价铬(Cr(VI)) Hexavalent Chromium (Cr(VI))	IEC 62321:2008 Ed.1 Annex B	UV-Vis	/

检测结果 Test Result(s)

测试项目 Tested Item(s)	结果 Result	2011/65/EU 指令限值 Limit of Directive2011/65/EU
铅 Lead (Pb)	16 mg/kg	1000 mg/kg
镉 Cadmium (Cd)	2 mg/kg	100 mg/kg
汞 Mercury (Hg)	N.D.	1000 mg/kg
六价铬 Hexavalent Chromium (Cr(VI))	Negative	1000 mg/kg

测试样品/部位描述 银色/金色金属
Tested Sample/Part Description Silvery/golden metal

9. Packing and shipping for silver inlay copper strips

Packing:

First put into Vacuum sealed plastic film, then Fill with sponge into the hard cardboard carton box, each box won't excess the weight 30kg..



Shipping:

We will choose the best way according to customer's requests.

1. By Air, to the indicated airport.
2. By Express (FedEx, UPS, DHL, TNT, EMS), to the indicated address.
2. By Sea, to the indicated sea port.



10.FAQ

1. Do you have ISO certificate?

Yes, we obtained ISO9001

2. How long is your delivery time for silver inlay copper strip?

20-25 days depend on the raw material condition

3. Do you make parts according to our design?

Yes, we always do as per customers drawings or Technical documents

4. Can you help us to choose suitable material?

Yes, we can recommend the most suitable material according to your application.

5. Do you provide sample? Free or charge?

Yes, if the sample in stock available, free of charge, if not, need to charge some mfg cost.