

Silver tin oxide electrical contact

Electrical Contact factory, more than 10 years manufacture experience, attained ISO9001, work on OEM and ODM projects..

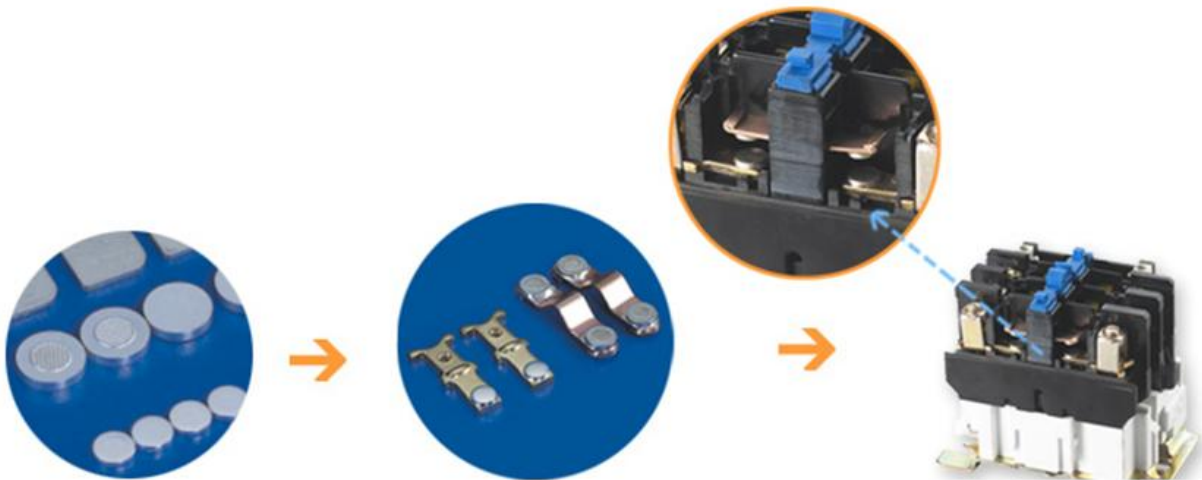
1. Introduction of Silver tin oxide electrical contact

Silver tin oxide (AgSnO₂) electrical contact are environmental protection and non-toxic, with excellent anti fusion welding and arc ablation resistance performance.

In general speaking, under the condition of larger current, AgSnO₂ has better ability of arc ablation resistance than AgCdO, and under the lamp or capacitive load, AgSnO₂ showed a stronger ability to resist current shock than AgCdO, AgNi.

2. Application of Silver tin oxide electrical contact

AgSnO₂ electrical contacts are widely used in large capacity contactor, power relay, medium and small capacity of low voltage circuit breaker, and automobile electronics etc.



3. Main Materials for Silver tin oxide electrical contact

Main face materials: AgSnO₂ 8, AgSnO₂ 10, AgSnO₂ 12, AgSnO₂ 15, AgSnO₂ 20

Main base materials : Cu, CuNi

Category	Density g/cm ³ ≥	Electrical conductivity .cm ≤	Hardness soft HV ≥	Tensile strength soft MPa ≥
AgSnO ₂ 92/8	10	2.08	57	225
AgSnO ₂ 90/10	10	2.13	62	230

AgSnO ₂ 88/12	9.9	2.22	67	235
AgSnO ₂ 85/15	9.68~9.96	2.56	95	250
AgSnO ₂ 80/20	9.65~9.95	2.66	97	275

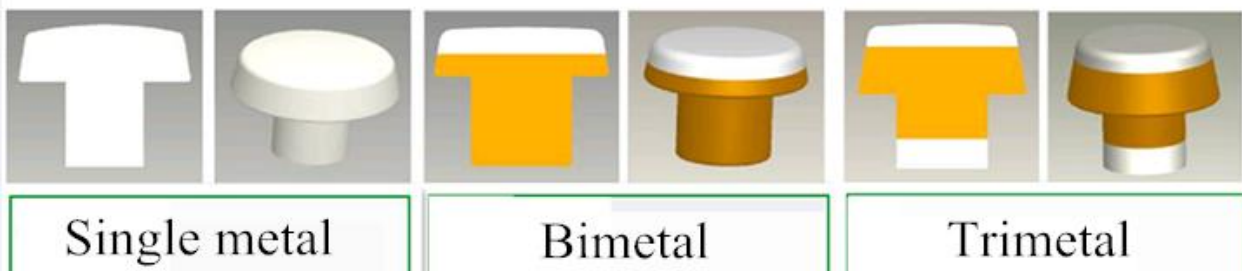
4. Specification of Silver tin oxide electrical contact

Dimensions can be customized

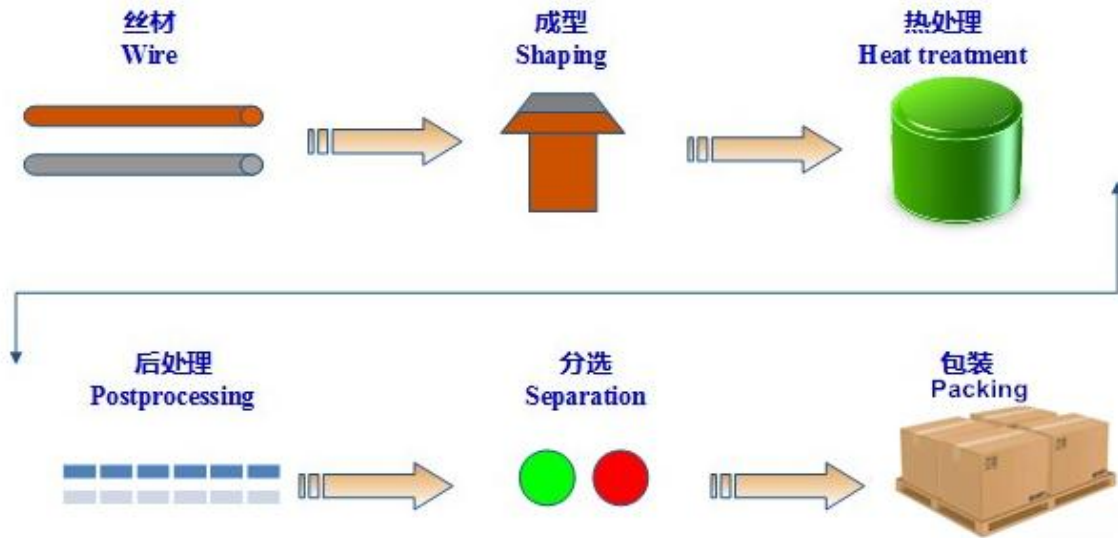
Contact rivet dimension and tolerance							
Item	Head Diameter D(mm)	Head Thickness T(mm)	Layer Thickness S(mm)	Shank Diameter d(mm)	Shank Length L(mm)	Sphere Radian R(mm)	Mold Ratio θ
Specification	2.5	0.6-1	0.3-0.4	1.2-1.5	1-2	4-6	9
	3			1.5			
	3.5	0.8-1.2	0.3-0.5	1.5-2.0	1-3	6-8	
	4			2			
	4.5			2.0-2.5			
	5	1.0-1.5	0.4-0.6	2.5	1-3	8-10	
	5.5			2.5-3.0			
	6	1.0-2.0	0.5-0.7	3	1-3	10-15	
	6.5			3.0-3.5			
	7	1.2-2.0	0.5-0.7	3.5	1-3	15-20	
8	4						
Tolerance	±0.1	±0.05	±0.05	±0.05	±0.15	±0.2	±2

5. Product types for Silver tin oxide electrical contact

Round head rivets, Flat head rivets, Bimetal rivets, Tri-metal rivets and special type



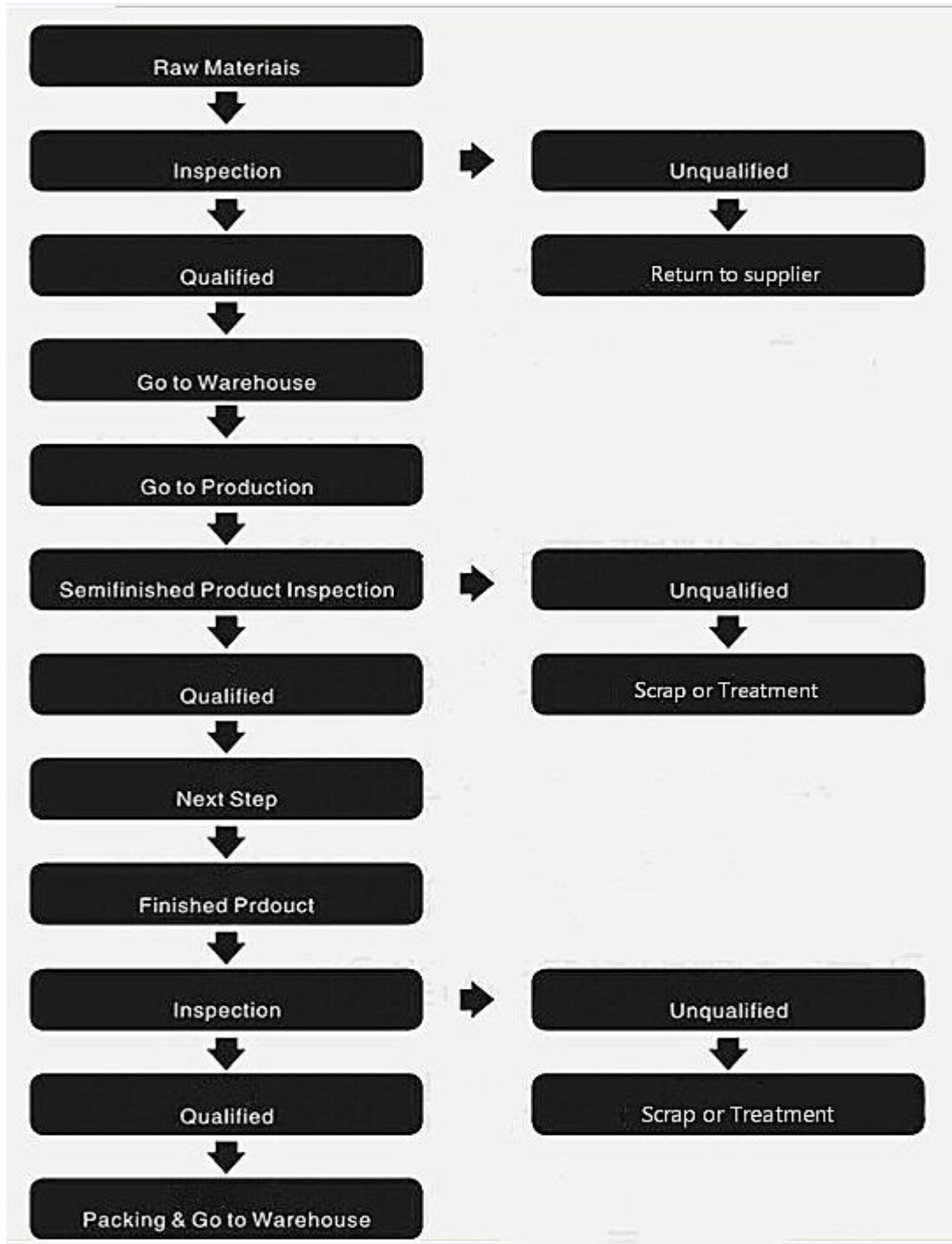
6. Process of SnO₂ Silver tin oxide electrical contact



7. Manufacture plant of Silver tin oxide electrical contact



8. Quality control flow chart of Silver tin oxide electrical contact



9. Packing and shipping for Silver tin oxide electrical contact
Packing:

First put 500-5000 pcs into small plastic bags or vacuum plastic bags, then in separated small carton box, at last Into hard cardboard box.



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

Q1. Can you help customers for designing products?

A1. We can help customers to design the best products to achieve both good function and costs saving according to their application.

Q2. Can you help us to choose suitable material?

A2. We can recommend the most suitable material according to your application.

Q3. What kind of electrical contact material you can provide?

A3. We can provide fine silver(Ag) , AgNi, AgCdO, AgSnO₂, AgZnO, AgSnO₂In₂O₃, AgC , AgWC , AgW , CuW etc

Q4. Can you provide free samples?

A4. If we have the right or similar sizes in stock, we can send you for free.

Q5. How do you control quality?

A5. We produce strictly according to customer's drawings and requests, here are strict control plan in every process, full check of each parts, strive to provide customer 100% quality products, ROHS/SGS test report, material certificate are available.