

Silver tungsten electrical contact

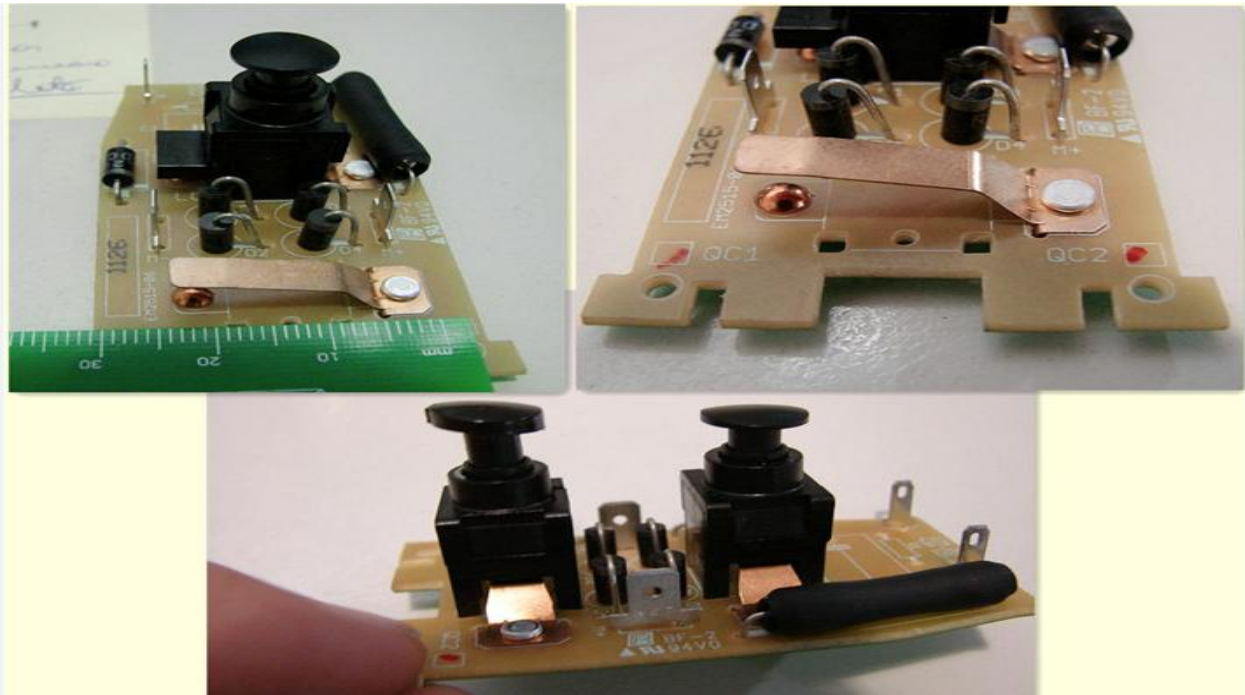
Electrical Contact factory, more than 10 years manufacture experience, attained ISO9001, work on OEM and ODM projects..

1. Introduction of Silver tungsten electrical contact

Silver Tungsten AgW alloy was used as the nozzle throat lining of solid rockets. In electrical switches, tungsten-silver alloys are more used in lower voltage circuit breakers, automatic switches, contactors, etc., which require good oxidation resistance, higher thermal conductivity, smaller contact size, and frequent opening and closing operations.

2. Application of Silver tungsten electrical contact

Silver Tungsten AgW electrical contact widely used in high-temperature resistant materials, electrical alloys for high-voltage switches, electro-processed electrodes, and microelectronic materials. As parts and components, they are widely used in aerospace, aviation, electronics, power, metallurgy, machinery, sports equipment and other industries etc.



3. Main Materials for Silver tungsten electrical contact

Main face material: AgW5, AgW30, AgW40, AgW50, AgW60, AgW65, AgW70,
Main base material : Cu, CuNi

Alloy	Silver composition	Density g/cm ³	Hardness HB ≥	Tensile strength
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AgW30	70±1.5	11.75	75	75
AgW40	60±1.5	12.4	66	85
AgW50	50±2.0	13.15	57	105
AgW55	45±2.0	13.55	54	115
AgW60	40±2.0	14	51	125
AgW65	35±2.0	14.5	48	135
AgW70	30±2.0	14.9	150	657
AgW75	25±2.0	15.4	165	686
AgW80	20±2.0	16.1	180	726

4. Specification of Silver tungsten 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	0.8-1.2	0.3-0.5	1.5		1-3	
	3.5			1.5-2.0	8-10		
	4	2					
	4.5	2.0-2.5		10-15			
	5	1.0-2.0	0.4-0.6		2.5	15-20	
	5.5		1.2-2.0	0.5-0.7	2.5-3.0		
	6	3		20-25			
	6.5	3.0-3.5					
	7	3.5					
8	4						
Tolerance	±0.1	±0.05	±0.05	±0.05	±0.15	±0.2	±2

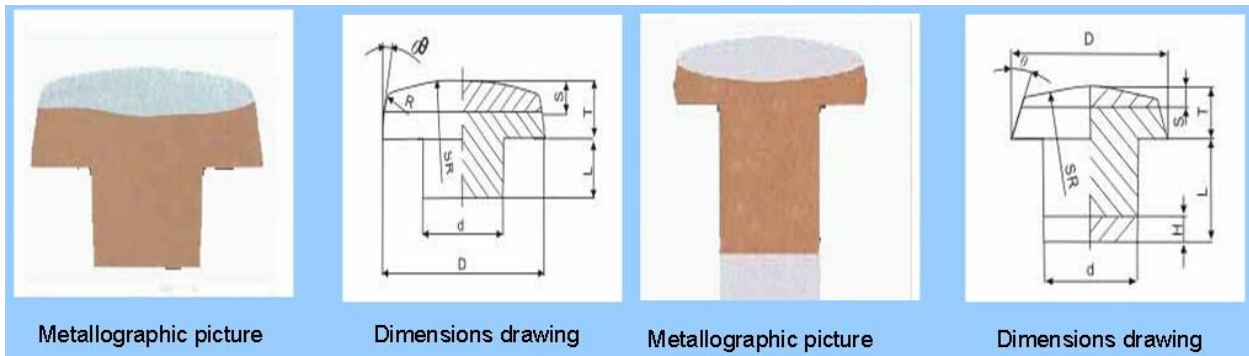
5. Product types for Silver tungsten electrical contact

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

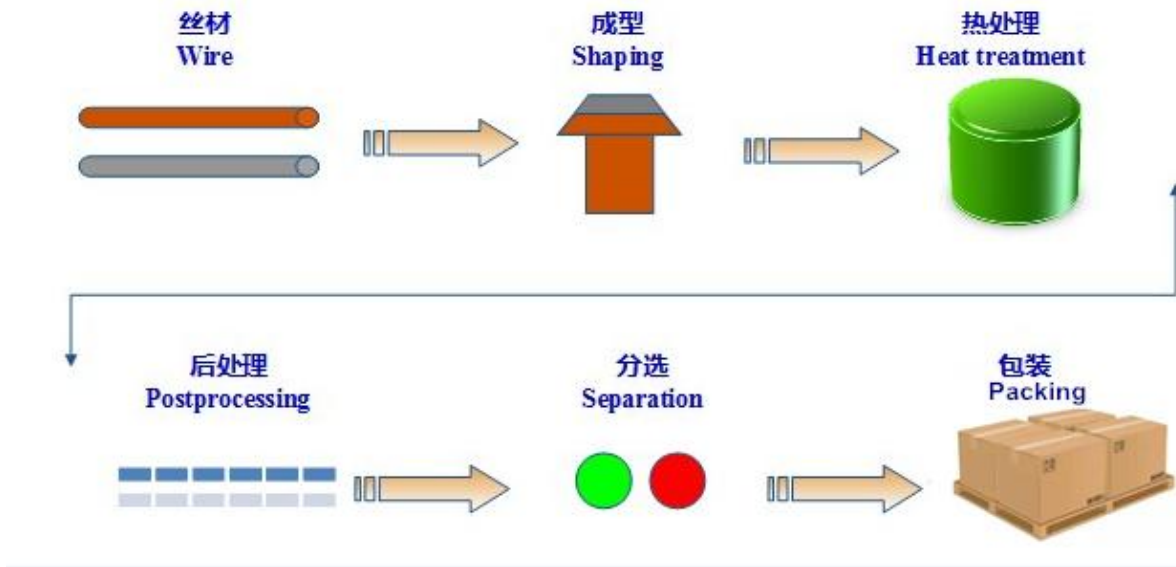
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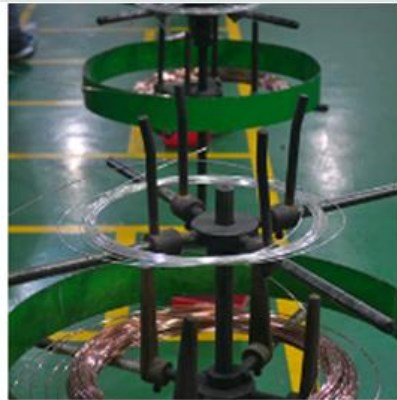
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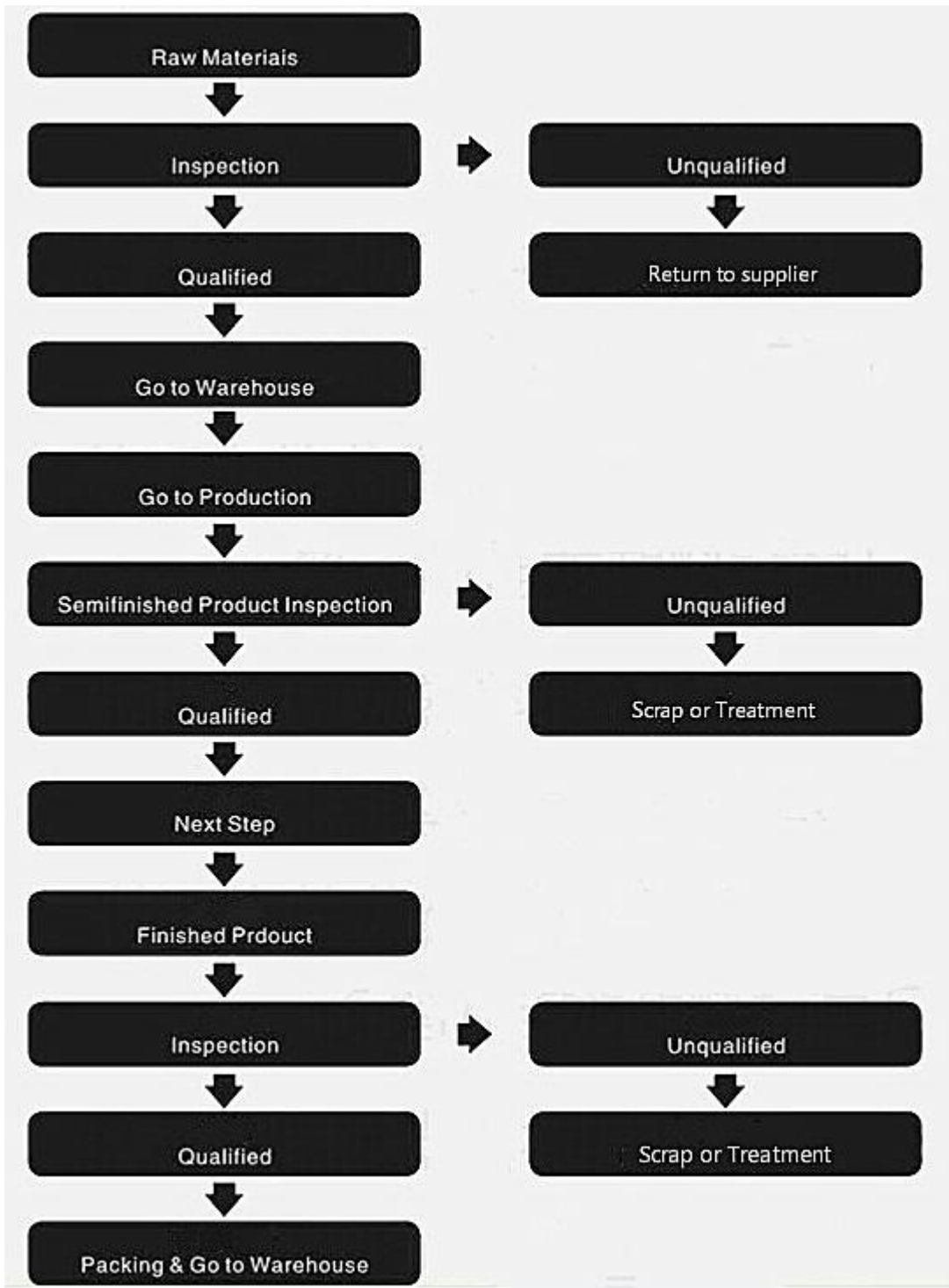
6. Process of Silver tungsten electrical contact



7. Manufacture plant of Silver tungsten electrical contact



8. Quality control for Silver tungsten electrical contact



9. Packing and shipping for Silver tungsten electrical contact

Packing:

First put 500-5000 pcs into small plastic bags or vacuum plastic bags, then in separated

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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.