

# Silver Nanowires (银纳米线)

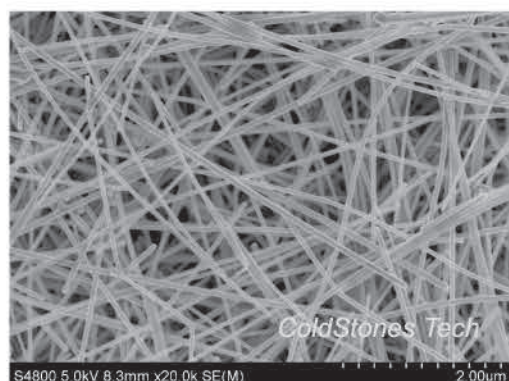
Model: CST-NW-S35/40/70/120nm + Customized

## Product Description 产品描述

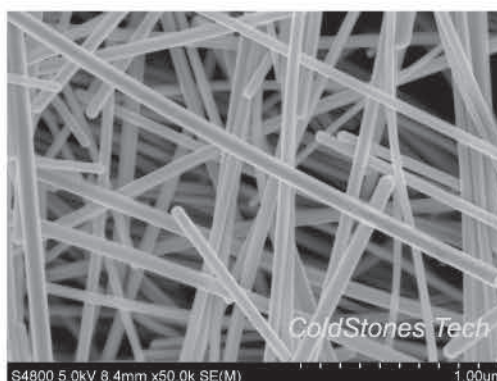
Silver nanowire is a kind of grayish powder and can be dispersed in different solvents (such as water, ethanol, isopropanol) to generate colloidal suspensions. The diameters are controllable at nanometer scale, typically from about ten to several hundred nanometers and lengths up to tens of microns depending on the preparation conditions.

## Specification 产品规格

Properties	Unit	Value	Method of Measurement
<b>CST-NW-S35</b>			
Diameter	nm	35±5	SEM / TEM
Length	µm	25±5	SEM / TEM
Purity		>99.5%	Elemental Analysis
Appearance		Gray suspension	Dispersed in solvent
<b>CST-NW-S40</b>			
Diameter	nm	40±10	SEM / TEM
Length	µm	35±5	SEM / TEM
Purity		>99.5%	Elemental Analysis
Appearance		Gray suspension	Dispersed in solvent
<b>CST-NW-S70</b>			
Diameter	nm	70±10	SEM / TEM
Length	µm	40±5	SEM / TEM
Purity		>99.5%	Elemental Analysis
Appearance		Gray suspension	Dispersed in solvent
<b>CST-NW-S120</b>			
Diameter	nm	120±20	SEM / TEM
Length	µm	80±10	SEM / TEM
Purity		>99.5%	Elemental Analysis
Appearance		Gray suspension	Dispersed in solvent



SEM image of CST-NW-S40



SEM image of CST-NW-S70



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## Application 产品应用

- Touch Panel
- LED Lighting
- EMI Shielding
- Flexible Displays
- OLED Displays & Lighting
- Thin Film Solar Cell

## Silver Nanoparticles (银纳米颗粒)

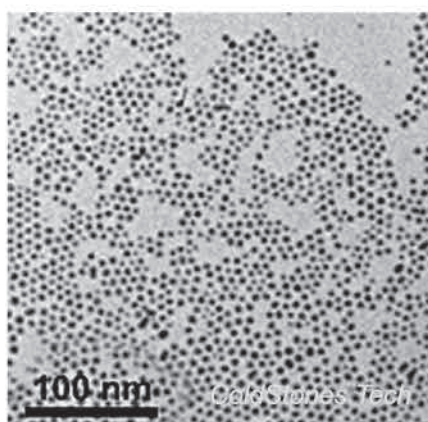
Model: CST-NP-S4/7/10/50/100nm+ Customized

### Product Description 产品描述

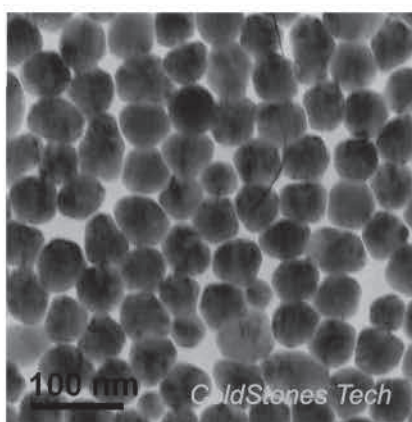
Silver nanoparticles appear in various kinds of color powders depending on their morphology and sizes, and they can be dispersed in different solvents (such as water, ethanol, isopropanol) to generate colloidal suspensions. Their sizes are controllable at relative wide range in nanometer scale, typically from about 2nm to several hundred nanometers.

### Specification 产品规格

Properties	Unit	Value	Method of Measurement
<b>CST-NP-S4</b>			
Diameter	nm	4±1	SEM / TEM
Purity		>99.5%	Elemental Analysis
Appearance		Light yellow suspension	Dispersed in solvent
<b>CST-NP-S7</b>			
Diameter	nm	7±2	SEM / TEM
Purity		>99.5%	Elemental Analysis
Appearance		Light yellow suspension	Dispersed in solvent
<b>CST-NP-S10</b>			
Diameter	nm	10±2	SEM / TEM
Purity		>99.5%	Elemental Analysis
Appearance		Light yellow suspension	Dispersed in solvent
<b>CST-NP-S50</b>			
Diameter	nm	50±5	SEM / TEM
Purity		>99.5%	Elemental Analysis
Appearance		Yellow suspension	Dispersed in solvent
<b>CST-NP-S100</b>			
Diameter	nm	100±10	SEM / TEM
Purity		>99.5%	Elemental Analysis
Appearance		Grayish yellow suspension	Dispersed in solvent



TEM image of CST-NP-S4



TEM image of CST-NP-S50



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### Application 产品应用

- Conductive Paste
- Surface Enhanced Spectroscopy
- Conductive Adhesive
- RFID



## Silver Nanoflakes (银纳米片)

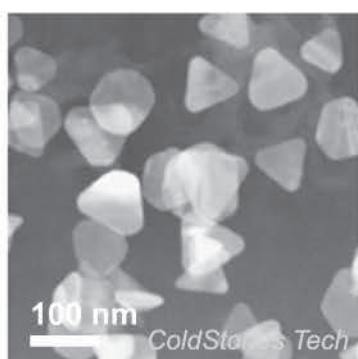
Model: CST-NF-S40/100/400nm+ Customized

### Product Description 产品描述

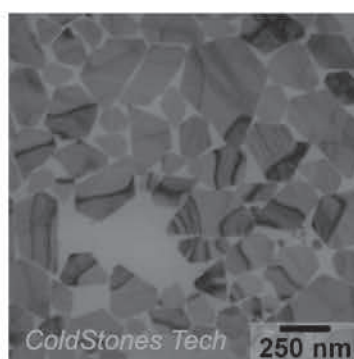
Silver nanoflakes possess a series of appearance as a kind of grayish powder and can be dispersed in different solvents (such as water, ethanol, isopropanol) to generate colloidal suspensions. Their edge length is controllable at nanometer scale, typically from about 20 nm to several micrometers. Their thickness can reach 10 to 80 nm depending on the preparation conditions.

### Specification 产品规格

Properties	Unit	Value	Method of Measurement
<b>CST-NF-S40</b>			
Edge length	nm	40±10	SEM / TEM
Purity		>99.5%	Elemental Analysis
Appearance		Green suspension	Dispersed in solvent
<b>CST-NF-S100</b>			
Edge length	nm	100±10	SEM / TEM
Purity		>99.5%	Elemental Analysis
Appearance		Pink suspension	Dispersed in solvent
<b>CST-NF-S400</b>			
Edge length	nm	400±50	SEM / TEM
Purity		>99.5%	Elemental Analysis
Appearance		Blue suspension	Dispersed in solvent



SEM image of CST-NF-S100



TEM image of CST-NF-S400



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### Application 产品应用

- Solar Cell (wave & heat absorbing material)
- Conductive Paste
- Conductive Adhesive