

Product Name	Model	Diameter	Length	Purity	Appearance	Optional Solvent	Optional Concentration
<b>Silver Nanowires (AgNW)</b>	CSG-NW-S20	20±3nm	20~25µm	>99.5%	Dark Gary / Light gray suspension (Dispersed in solvent)	Water/Ethanol/IPA/ +Customized	5mg/mL,10mg/mL +Customized ( 5mg/mL is recommended due to the long wire length )
	CSG-NW-S25	25±3nm	25~30µm				
	CSG-NW-S30	30±5nm	25~30µm				
	CSG-NW-S40	40±5nm	25~35µm				
	CSG-NW-S50	50±5nm	25~35µm				
	CSG-NW-S60	60±10nm	35~40µm				
	CSG-NW-S70	70±10nm	35~45µm				
CSG-NW-S80	80±10nm	35~50µm					
Product Name	Model	Diameter	Length	Purity	Appearance	Optional Solvent	Optional Concentration
<b>SHORT Silver Nanowires for Inkjet Printing</b>	CSG-SNW-T50	50~60nm	2~5µm	>99.5%	Light gray suspension (Dispersed in solvent)	Water/Ethanol/IPA/ +Customized	5mg/mL,10mg/mL... +Customized
	CSG-SNW-T70	70~80nm	2~5µm				
Product Name	Model	Coating Process		Product Features		Highlight	Applications
<b>AgNW based Coating Solution</b>	CSG-R2R-X202	Slot die coating / Micro gravure coating / Spin coating / bar coating and so on		1. Water-based and eco-friendly 2. Strong adhesion on substrates 3. High process compatibility 4. Efficient film-forming		1. Matched special UV curing over-coating ink can greatly improve the film stability and reliability. 2. Customized products	For coating the AgNW transparent conductive film /electrode
Product Name	Model	Sheet Resistance (Ω/□)	Uniformity (Ω/□)	Transmittance (%)		Haze (%)	b* value (-)
<b>AgNW Transparent Conductive Film</b>	CSG-FM-R25	25	25±2	≥87		≤2.5	≤2.7
	CSG-FM-R30	30	30±3	≥88		≤2.0	≤2.2
	CSG-FM-R50	50	50±5	≥89		≤1.5	≤1.7

Product Name	Model	Sheet Resistance ( $\Omega/\square$ )	Conductive Layer Light Transmittance (%)		Product Features	Applications	Ink Utilization Rate (%)
Screen Printing Transparent Conductive Ink	CSG-SPI-90	50~150	95~98		1. Excellent Conductivity 2. Good bending resistance 3. Strong adhesion	Capacitor touch electrode	10% to 20% higher than other materials
	CSG-SPI-92	30~70	94~96			Capacitor touch electrode, a transparent lead with a line width $\geq 3\text{mm}$	
	CSG-SPI-95	15~40	91~95			Transparent conductive circuits, Transparent heating electrode	
Product Name	Model	Silver content	Resistance	Sieve / screen	Drying condition	Solid content	Product Features
Silver Coated Copper Paste for Screen Printing	CSG-SCP-SP70T	5%	0.8 $\Omega/\text{cm}^2/15\mu\text{m}$	150~250 mesh	80~100 $^{\circ}\text{C}$ , 20~30min	75 $\pm$ 1%	1. Strong printing adaptability 2. Good electrical conductivity 3. Excellent oxidation resistance 4. Excellent adhesion
	CSG-SCP-SP95T	30%	<0.2 $\Omega/\text{cm}^2/15\mu\text{m}$	150~300 mesh	80~100 $^{\circ}\text{C}$ , 20~30min	75 $\pm$ 1%	
Product Name	Model	Silver content	Recommended thickness of dry paint		Drying condition	Solid content	Applied conductivity parameter
Silver Coated Copper Paint for Spraying	CSG-SCP-SR108D	5%	15-25um		Bake at 60~80 $^{\circ}\text{C}$ for 10~30 minutes.	40 $\pm$ 3%	2 ohm / 25um paint film thickness / distance 5cm
	CSG-SCP-310A	10%	15-25um		Bake at 65 $^{\circ}\text{C}$ for 30minutes. Air dry time is more than 4 hours.	25 $\pm$ 5%	less than 0.08~0.32 ohm / 20 micron thickness / distance 10cm
Product Name	Model	Viscosity	Sheet Resistance		Drying condition	Solid content	Remarks
Stretchable flexible conductive silver paste	CSG-SR-G70	400 $\pm$ 50dPa.s	$\leq 16\text{m}\Omega/\square/\text{mil}$		130 $^{\circ}\text{C}$ for 30min.	75 $\pm$ 2%	Storage conditions: Room temperature does not exceed 25 degrees. If possible, keep it in cold storage (5 $^{\circ}\text{C}$ ) for 6 months
Product Name	Model	Viscosity (cp)	Hardness	Silver Content	Product Features	Compatible Nozzle	Remarks
Nano-Ag Conductive Ink for Inkjet Printing	CSG-IJP-INK3050-EN	5~6cP	2H	25~30wt%	(1) Excellent electrical conductivity (2) Printing is very smoothly (3) High content of nano-silver (4) Good hardness and adhesion	Epson series nozzle : DX5, DX7, Fuji Starlight series、spectra series, Konica nozzle : KM512i, KM1024i Ricoh nozzle : Gen5, Gen5s, Gen6	1. Used 30~50nm silver nanoparticles 2. Oven150 $^{\circ}\text{C}$ or NIR infrared 3. Sheet resistance 1~2m $\Omega/\square/\text{mil}$
	CSG-IJP-INK3050-KA	~12cp		35~40wt%			
	CSG-IJP-INK3050-RH	~10cp		35~40wt%			

Product Name	Model	Diameter	Type	Purity	Appearance	Optional Solvent	Optional Concentration
Silver Nanoparticles	CSG-NP-S30	30±5nm	solution/paste	>99.5%	Light yellow suspension	Water/Ethanol/IPA+Customized	5~99mg/mL +Customized
	CSG-NP-S50	50±5nm	solution/paste		Yellow suspension	Water/Ethanol/IPA+Customized	
Product Name	Model	Diameter	Length-Diameter Ratio	LSPR Coverage	Shape Monodispersity	CTAB Content	Remarks
Gold NanoRod	CSG-NR-G6/7/8/9	6/7/8/9nm	3.6~7	750~1130nm	NanoRods >98%	< 0.1%	<b>1.</b> Most products are delivered in a volume of 10mL, 50mL, 100mL. <b>2.</b> Optional optical density (O.D.) =2, 2.5,5, 10, 50 <b>3.</b> Solvent : DI Water <b>4.</b> Purity :>99.9%
	CSG-NR-G10/20/40	10/20/40nm	1.8~5.2	600~850nm	NanoRods >98%	< 0.1%	
Product Name	Model	Curing Conditions		Applicable Process	Product Features	Applications	Storage Conditions & Shelf Life
	CSG-EFD-RF85	IR drying tunnel: 120°C×2min. Ordinary Oven: 150°C x 60min.		Screen printing	It has good printability, electrical conductivity, oxidation resistance, hardness and strong adhesion.	It's suitable for high-end RFID printed circuits.	5~25°C/ 6months
	CSG-FSP-EC200	IR drying tunnel: 120°C×2min. Ordinary Oven: 135°C x 10min.		Screen printing	It has good printability, electrical conductivity, oxidation resistance, hardness, strong adhesion and low cost.	Large keyboard loop, film switch, ultra-fine flexible printing circuit.	Below 30°C/6months
	CSG-XST-MPA88	90°C×90min (Ordinary Oven)		Screen Printing	Low resistance, slow drying.Good printability, conductivity, oxidation resistance, hardness, adhesion and strong wear resistance. Suitable for screen printing, pad printing, coating and other processes.	Mainly used in the fields of 5G mobile phone antenna, radio frequency antenna, wear-resistant pad printing layer and other flexible printed circuits.	Below 5°C / 3months
	CSG-TOE-MX97	Pre-baking: IR.170°C× 10min. Curing: 200~210°C x 10~20min.		Screen Printing	It has good wear resistance, adhesion and environmental testing performance.	Power tool switches, carbon film potentiometers, game board etc.	5~25°C/ 6months
	CSG-CEC-SP77	Pre-baking: IR.150°C× 5~10min. Sintering: 650~800°C x 5~10min.		Screen Printing	It has good printability, conductivity, weldability and cost performance.	NTC ceramic substrates	5~25°C/ 6months

<b>Silver Paste</b>	CSG-SSP-GL80	Pre-baking: IR.150°C x 5~10min. Sintering: 650~720°C x 3~5min.	Screen Printing	It has good welding performance, electrical conductivity and environmental testing performance.	Mainly for vacuum glass welding, LED industry welding bead.	5~25°C/12months
	CSG-CAR-AT80	Pre-baking: IR.150°C x 5~10min. Sintering: 650~720°C x 3~5min.	Screen Printing	For the rear window glass of automobiles.	With good printability, electrical conductivity and environmental testing performance, excellent oxidation resistance.	5~25°C/6months
	CSG-CAR-SC88	Pre-baking: IR.150°C x 5~10min. Sintering: 650~720°C x 3~5min.	Screen Printing	For the rear window glass of automobiles.	With good printability, electrical conductivity and environmental testing performance, excellent oxidation resistance.	5~25°C/12months
	CSG-TPI-F8060	80°C*60Min (Ordinary Oven)	Screen Printing	Superior adhesion, good conductivity, excellent printing performance	Suitable for PET, plastic, metal, Fabric and other substrates	Below 25°C / 3months
	CSG-LSP-CT9060	90°C*60min /120°C*30min	Pad Printing ( Suggested twice )	Excellent adhesion & good conductivity	Suitable for PET, metal, substrates	Below 5°C / 3months
	CSG-TPI-LT10560	105°C*60min (Ordinary Oven)	Screen Printing & Laser etching	Excellent adhesion, good conductivity, Superior printing performance	Suitable for ITO & AgNW films, Specialized for the laser etching technology of capacitive touch screen production , lithography limit is 20um.	Below 25°C / 3months
	CSG-LSP-CT14010	140°C*10min (Ordinary Oven)	Screen Printing	Rapid curing, have excellent conductivity and adhesion on ITO film and excellent printing performance.	Specially used in the production of capacitive touch screen laser etching process, lithography limit is 20um.	5~15°C / 3months
	CSG-LSP-CT14060	ITO conductive film: 140°C*60min, ITO conductive glass: 150°C*60min, More than 130°C ( Recommended )	Screen Printing & Laser etching	Excellent adhesion, good conductivity and excellent printing performance.	Specifically designed for capacitive touch screens with conductive silver paste in ITO film and glass	Below 25°C / 3months
<b>Product Name</b>	<b>Model</b>	<b>Substrate</b>	<b>Specification</b>		<b>Drawing size (mm)</b>	
<b>Quantum Dot Board</b>	CSG-CPC17D	PS Low concentration	43-1.7T		949.8*539.7*1.7	
	CSG-CPQ17D	PS Full concentration				
	CSG-CPC15D	PS Low concentration	50-1.5T		1106.14*626.26*1.5	
	CSG-CPQ15D	PS Full concentration				
	CSG-CPC20D	PS Low concentration	55-2.0T		1216.60*688.50*2.0	
	CSG-CPQ20D	PS Full concentration				

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