

博锐斯精工科技（丹阳）有限公司

Bright Spot Technology (Danyang) Co., Ltd.



博锐斯精工科技（丹阳）有限公司
Bright Spot Technology (Danyang) Co.,Ltd.
地址：江苏省丹阳市云阳镇华都锦城23-1013
Add: 23-1013, Hua Du Jin Cheng, Yunyang Town,
Danyang, 212300, China
联系人 (Contact): 黄洁 (Jessie Hwang)
电话 (Tel) : +86-511-86821910
手机/Whatsapp: +86-18352847829



中国·江苏

公司简介



博锐斯精工科技（丹阳）有限公司位于风光旖旎的江苏省丹阳市，是一家工贸一体的生产电阻合金丝的专业工厂。

我厂具有冶炼、成材拉拔至氢退软丝全过程的生产能力。主要产品有铁铬铝、镍铬、铜镍合金丝带，以及电炉条、辐射管等电热产品。产品规格齐全，性能优良，是制造各种工业电炉、家用电器、电器设备理想的电阻电热材料。

参照国际先进标准，严格执行国家标准，不断采用新技术、新工艺，使我们的产品精益求精，严格的工艺纪律及质量管理制度，确保了我厂产品精益求精，深得用户好评，产品除在国内市场畅销外，还在国外享有盛誉。

“质量与信誉”为企业之生命，“研究与创新”为企业生存之命脉，本厂积极以先进的技术工艺，优化的生产，完善的管理，为你们的产品在市场竞争中提供最有效的服务。

Bright Spot Technology (Danyang) Co., Ltd. is located in Danyang city, Jiangsu Province. And it is on Shanghai-Nanjing railway, which is at the side of Changjiang delta. The factory is specialized in heating alloy, from smelting to making wires. Our products consist of Fe-Cr-Al Nichrome Copper-Nickel wire & strip. Our products with good quality are excellent material for industrial furnace household appliances and heating elements.

In accord with international & national standards using new techniques, new process, so the products can keep improving. There are strict processes and quality manages to insure the products keep improving, and be well received by the users.

"Quality and credit standing" is the life of the factory. "Research and innovation" is the life line for survival of the factory.

The factory uses advance techniques, optimizing production and perfect manage to offer effectual service for your products in competition.

铁铬铝电阻电热合金

铁铬铝电阻电热合金具有电阻率高、电阻温度系数小、使用温度高的特点。在高温下耐腐蚀性好，尤其适合在含有硫和硫化物气氛中使用，且价格低廉，是工业电炉、家用电器，远红外装置中理想的发热材料。

Fe-Cr-Al Alloy

Fe-Cr-Al Alloy possesses the characteristics of high resistance, low temperature coefficient of electric resistance, high operating temperature, good corrosion resistance under high temperature, especially under the atmosphere containing S, as well as the lower price, it is widely used in industrial electric furnaces, household electrical appliances and far infrared ray devices.

主要技术性能/Performance Parameter

牌 号 Name	1Cr13Al4	1Cr21Al4	0Cr21Al6	0Cr23Al5	0Cr25Al5	0Cr21Al6Nb	0Cr27Al7Mo2
性能 Performance							
主要化学成分 Chemical Composition %	Cr 12.0~15.0 Al 4.0~6.0 Fe 余量 REM Re Appropriate amount	17.0~21.0 2.0~4.0 余量 REM Appropriate amount	19.0~22.0 5.0~7.0 余量 REM Appropriate amount	20.5~23.5 4.2~5.3 余量 REM Appropriate amount	23.0~26.0 4.5~6.5 余量 REM Appropriate amount	21.0~23.0 5.0~7.0 余量 REM 加入量 The dosage added Nb: 0.5	26.5~27.8 6.0~7.0 余量 REM 加入量 The dosage added Mo: 1.8~2.2
元件最高使用温度℃ Max working temperature U	950	1100	1250	1250	1250	1350	1400
熔点/Melting Point ℃ _≈	1450	1500	1500	1500	1500	1510	1520
密度/Density g/cm ³	7.40	7.35	7.16	7.25	7.10	7.10	7.10
电阻率/Resistivity μΩ·m, 20℃	1.25 ± 0.08	1.23 ± 0.06	1.42 ± 0.07	1.35 ± 0.06	1.42 ± 0.07	1.45 ± 0.07	1.53 ± 0.07
抗拉强度/ Tensile Strength Mpa	588~735	637~784	637~784	637~784	637~784	637~784	686~784
延伸率/Elongation %	≥ 16	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 10
反复弯曲次数 Bending Frequency	≥ 5	≥ 5	≥ 5	≥ 5	≥ 5	≥ 5	≥ 5
快速寿命/ Life Experiment h/℃		≥ 80 / 1250	≥ 80 / 1300	≥ 80 / 1300	≥ 80 / 1300	≥ 50 / 1350	≥ 50 / 1350
比热/Specific heat J/g·℃	0.490	0.490	0.520	0.460	0.494	0.494	0.494
导热系数/ Thermal Conductivity kJ/m·h·℃	52.7	46.9	63.2	60.2	46.1	46.1	45.2
线胀系数/ Linear Expansivity α × 10 ⁻⁶ /℃ (20~1000℃)	15.4	13.5	14.7	15.0	16.0	16.0	16.0
硬度/Hardness HB	200~260	200~260	200~260	200~260	200~260	200~260	200~260
显微组织/ Microscopic Structure	铁素体/ Ferrite	铁素体/ Ferrite	铁素体/ Ferrite	铁素体/ Ferrite	铁素体/ Ferrite	铁素体/ Ferrite	铁素体/ Ferrite
磁性/Magnetism	磁性/Magnetic	磁性/Magnetic	磁性/Magnetic	磁性/Magnetic	磁性/Magnetic	磁性/Magnetic	磁性/Magnetic



镍铬、镍铬铁电阻电热合金

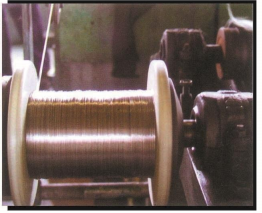
镍铬、镍铬铁电阻电热合金具有较高的电阻率，表面抗氧化性好，并且在高温下有教高的强度，有良好的加工性能及可焊性，可广泛用于冶金、家用电器、机械制造业等做发热元件和电器行业做电阻材料。

Nichrome alloy

Nichrome alloy has high resistance,good oxidation resistance,good intensity in high temperature,perfect machining formability and weldability.It can be used for making heating element in smelting,household appliance and machine building industry.

主要技术性能/Performance Parameter

牌 号 Name		Cr20Ni80	Cr30Ni70	Cr15Ni60	Cr20Ni35	Cr20Ni30
主要化学成份% Chemical Composition%	Ni	余量 REM	余量 REM	55.0~61.0	34.0~37.0	30.0~34.0
	Cr	20.0~23.0	28.0~31.0	15.0~18.0	18.0~21.0	18.0~21.0
	Fe	≤ 1.0	≤ 1.0	余量 REM	余量 REM	余量 REM
元件最高使用温度℃ Max.working temperature℃		1200	1250	1150	1100	1100
熔点/Melting Point ℃≈		1400	1380	1390	1390	1390
密度/Density g/cm³		8.40	8.10	8.20	7.90	7.90
电阻率/Resistivity μ Ω·m, 20℃		1.09 ± 0.05	1.18 ± 0.05	1.12 ± 0.05	1.04 ± 0.05	1.06 ± 0.05
延伸率/Elongation %		≥ 20	≥ 20	≥ 20	≥ 20	≥ 20
比热/Specific Heat J/g·℃		0.440	0.461	0.494	0.500	0.500
导热系数/ Thermal Conductivity KJ/m·h·℃		60.3	45.2	45.2	43.8	43.8
线胀系数/ Linear Expansivity α ×10 ⁻⁶ /℃ (20~1000℃)		18.0	17.0	17.0	19.0	19.0
显微组织/Microscopic Structure		奥氏体/Austenite	奥氏体/Austenite	奥氏体/Austenite	奥氏体/Austenite	奥氏体/Austenite
磁性/Magnetism		非磁性/Non-magnetic	非磁性/Non-magnetic	非磁性/Non-magnetic	弱磁性/Low-magnetic	弱磁性/Low-magnetic



铜基发热电阻合金

铜基发热电阻合金具有较好的耐腐蚀性，良好的焊接性能和加工性能，广泛应用于热过载继电器、低压断路器等低压电器中的电热元件。

Copper-Nickel(Albata)&Manganin alloy

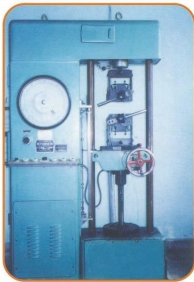
Albata&Manganin alloy have good corrsion resistance,weldability and formability.They are widely used for making heating element in low-voltage apparatus such as thermal overload relay and low-voltage circuit breaker.

主要技术性能/Performance Parameter

品 种 Name		NC003	NC005	NC010	NC012	MC012	NC015	NC020	NC025	NC030	NC035	NC040	NC050
主要化学成份% Chemical Composition%	Ni	1	2	6	8	—	10	14.2	19	23	30	34	44
	Mn	—	—	—	—	3	—	0.3	0.5	0.5	1.0	1.0	1.0
	Cu	余量 REM	余量 REM	余量 REM	余量 REM	余量 REM	余量 REM	余量 REM	余量 REM	余量 REM	余量 REM	余量 REM	余量 REM
元件最高使用温度℃ Max.working temperature℃		—	200	220	250	200	250	300	300	300	350	350	400
熔点/Melting Point ℃≈		1085	1090	1095	1097	1050	1100	1115	1135	1150	1170	1180	1280
密度/Density g/cm³		8.9	8.9	8.9	8.9	8.8	8.9	8.9	8.9	8.9	8.9	8.9	8.9
电阻率/Resistivity μ Ω·m, 20℃		0.03 ± 10%	0.05 ± 10%	0.10 ± 10%	0.12 ± 10%	0.12 ± 10%	0.15 ± 10%	0.20 ± 5%	0.25 ± 5%	0.30 ± 5%	0.35 ± 5%	0.40 ± 5%	0.49 ± 5%
抗拉强度/ Tensile Strength Mpa		≥ 210	≥ 220	≥ 250	≥ 270	≥ 290	≥ 290	≥ 310	≥ 340	≥ 350	≥ 400	≥ 400	≥ 420
延伸率/Elongation (> Φ1.0)%		≥ 25	≥ 25	≥ 25	≥ 25	≥ 25	≥ 25	≥ 25	≥ 25	≥ 25	≥ 25	≥ 25	≥ 25
电阻温度系数 Temp. coeff. of resistance 10 ⁻³ /℃ (20~600℃)		< 100	< 120	< 60	< 57	< 38	< 50	< 38	< 25	< 16	< 10	— 0	< — 6
对铜热电动势 Thermal EMF. vs copper E μ V/℃ (0~100℃)		— 8	— 12	— 18	— 22	—	— 25	— 28	— 32	— 34	— 37	— 39	— 43

康铜、新康铜、锰铜电阻合金

康铜、新康铜、锰铜是以铜为基体成分的电阻合金。具有较
低的电阻温度系数、较宽的使用温度范围，良好的机械加工性能，
耐腐蚀易钎焊，可用于制造各种电阻器、分流器以及交流仪器的可
变电阻和应变电阻的精密电阻元件。



Constantan alloy

Constantan alloy have low temperature coefficient of electric
resistance,wide operating temperature range(up to 500℃),good
machining formability,corrsion resistance and good weldability.It
can be used for making adjustable resistor of AC instrument and
for straingage sensing element.

主要技术性能/Performance Parameter

名称、牌号 性能Performance Name&Code		康铜 Constantan 6J40	新康铜 New constantan 6J11	锰铜 Manganin 6J12	F1 锰铜 6J8 F1 Manganin 6J8	F2 锰铜 6J13 F2 Manganin 6J13
主要 化学成份 Chemical Composition%	Mn	1~2	10.5~12.5	11~13	8~10	11~13
	Ni	39~41	—	2~3	—	2~5
	Cu	余量 REM	余量 REM	余量 REM	余量 REM	余量 REM
			Al: 2.5~4.5 Fe: 1.0~1.6		Si: 1~2	
元件使用温度范围 Element working temp. range		5~500	5~500	5~45	10~80	10~80
密度/Density g/cm³		8.88	8.00	8.44	8.70	8.40
电阻率/Resistivity μ Ω·m, 20℃		0.48 ± 0.03	0.49 ± 0.03	0.47 ± 0.03	0.35 ± 0.05	0.44 ± 0.04
延伸率/Elongation (> Φ0.5)%		≥ 15	≥ 15	≥ 15	≥ 15	≥ 15
电阻温度系数 Temp. coeff. of resistance α, 10%/℃		-40~+40	-80~+80	-3~+20	-5~+10	0~+40
对铜热电动势 Thermal EMF vs copper E μ V/℃ (0~100℃)		45	2	1	2	2

扁带、炉条、辐射管

扁丝，炉条，辐射管具有使用温度高，价
格低廉等特点，广泛用于工业电炉，家用电
器和电热元件等行业。



Ribbon,furnace grate and radiant tube

Ribbon,furnace grate and radiant tube
have high working temperature,low price,and
are widely used in industrial furnace,
household appliance and heating elements

主要技术性能/Performance Parameter

铁铬铝扁丝/ Fe-Cr-Al ribbon

牌 号 Material Name	0Cr21A16Nb	1Cr13A14	0Cr27A17Mo2	0Cr21A16	0Cr25A15
电阻率/Resistivity (10~6 Ω·m)	1.43	1.53	1.25	1.23	1.40
比重/Specific gravity (g/cm2)	7.1	7.1	7.4	7.35	7.15
最高使用温度 Max.working temperature (℃)	1350	1400	950	1100	1250

镍铬扁丝/Nichrome ribbon

牌 号 Material Name	Cr20Ni80	Cr30Ni70	Cr15Ni60	Cr20Ni35	Cr20Ni30
电阻率/Resistivity (10~6 Ω·m)	1.09	1.18	1.12	1.04	1.06
比重/Specific gravity (g/cm2)	8.4	8.1	8.2	7.9	7.9
最高使用温度 Max.working temperature (℃)	1200	1250	1150	1100	1100

铁铬铝合金线径系列的设计参数

Fe-Cr-Al alloy design parameter

线径 Diameter mm	截面积/X _{ross} Sectional Area mm ²	每米表面积 Surface Per Meter cm ² /m	1Cr13Al4		1Cr21Al4		0Cr21Al6		0Cr23Al5	
			每米重量 Weight Per Meter kgm	每米电阻 Resistance Per Meter Ω /m,20℃	每米重量 Weight Per Meter kg/m	每米电阻 Resistance Per Meter Ω /m,20℃	每米重量 Weight Per Meter kg/m	每米电阻 Resistance Per Meter Ω /m,20℃	每米重量 Weight Per Meter kg/m	每米电阻 Resistance Per Meter Ω /m,20℃
0.10	0.007854	3.142	0.00005812	159.2	0.00005773	156.6	0.00005623	180.8	0.00005694	171.9
0.12	0.01131	3.770	0.00008369	110.5	0.00008313	108.8	0.00008098	125.6	0.00008200	119.4
0.15	0.01767	4.712	0.0001308	70.74	0.0001299	69.60	0.0001265	80.36	0.0001281	76.39
0.17	0.02270	5.341	0.0001680	55.07	0.0001668	54.19	0.0001625	62.56	0.0001646	59.48
0.19	0.02835	5.969	0.0002098	44.09	0.0002084	43.38	0.0002030	50.08	0.0002056	47.61
0.21	0.03464	6.597	0.0002563	36.09	0.0002546	35.51	0.0002480	41.00	0.0002511	38.98
0.25	0.04909	7.854	0.0003632	25.46	0.0003608	25.06	0.0003515	28.93	0.0003559	27.50
0.27	0.05726	8.482	0.0004237	21.83	0.0004208	21.48	0.0004099	24.80	0.0004151	23.58
0.29	0.06605	9.111	0.0004888	18.92	0.0004855	18.62	0.0004729	21.50	0.0004789	20.44
0.31	0.07548	9.739	0.0005585	16.56	0.0005548	16.30	0.0005404	18.81	0.0005472	17.89
0.35	0.09621	11.00	0.0007120	12.99	0.0007072	12.78	0.0006889	14.76	0.0006975	14.03
0.40	0.1257	12.57	0.0009299	9.947	0.0009236	9.788	0.0008998	11.30	0.0009111	10.74
0.45	0.1590	14.14	0.001177	7.860	0.001169	7.734	0.001139	8.928	0.001153	8.488
0.50	0.1963	15.71	0.001453	6.366	0.001443	6.264	0.001406	7.232	0.001424	6.875
0.60	0.2827	18.85	0.002092	4.421	0.002078	4.350	0.002024	5.022	0.002050	4.775
0.70	0.3848	21.99	0.002848	3.248	0.002829	3.196	0.002755	3.690	0.002790	3.508
0.80	0.5027	25.13	0.003720	2.487	0.003695	2.447	0.003599	2.825	0.003644	2.686
0.90	0.6362	28.27	0.004708	1.965	0.004676	1.933	0.004555	2.232	0.004612	2.122
1.00	0.7854	31.42	0.005812	1.592	0.005773	1.566	0.005623	1.808	0.005694	1.719
1.20	1.131	37.70	0.008369	1.105	0.008313	1.088	0.008098	1.256	0.008200	1.194
1.40	1.539	43.98	0.01139	0.8120	0.01131	0.7990	0.01102	0.9224	0.01116	0.8770
1.60	2.011	50.27	0.01488	0.6217	0.01478	0.6118	0.01440	0.7063	0.01458	0.6714
1.80	2.545	56.55	0.01883	0.4912	0.01870	0.4834	0.01822	0.5580	0.01845	0.5305
2.00	3.142	62.83	0.02325	0.3979	0.02309	0.3915	0.02249	0.4520	0.02278	0.4297
2.20	3.801	69.12	0.02813	0.3288	0.02794	0.3236	0.02722	0.3736	0.02756	0.3551
2.50	4.909	78.54	0.03632	0.2546	0.03608	0.2506	0.03515	0.2893	0.03559	0.2750
2.80	6.158	87.96	0.04557	0.2030	0.04526	0.1998	0.04409	0.2306	0.04464	0.2192
3.00	7.069	94.25	0.05231	0.1768	0.05195	0.1740	0.05061	0.2009	0.05125	0.1910
3.50	9.621	110.0	0.07120	0.1299	0.07072	0.1278	0.06889	0.1476	0.06975	0.1403
4.00	12.57	125.7	0.09299	0.09947	0.09236	0.09788	0.08998	0.1130	0.09111	0.1074
4.50	15.90	141.4	0.1177	0.07860	0.1169	0.07734	0.1139	0.08928	0.1153	0.08488
5.00	19.63	157.1	0.1453	0.06366	0.1443	0.06264	0.1406	0.07232	0.1424	0.06875
5.50	23.76	172.8	0.1758	0.05261	0.1746	0.05177	0.1701	0.05977	0.1722	0.05682
6.00	28.27	188.5	0.2092	0.04421	0.2078	0.04350	0.2024	0.05022	0.2050	0.04775
6.50	33.18	204.2	0.2456	0.03767	0.2439	0.03707	0.2376	0.04279	0.2406	0.04068
7.00	38.48	219.9	0.2848	0.03248	0.2829	0.03196	0.2755	0.03690	0.2790	0.03508

铁铬铝合金线径系列的设计参数(续)

Fe-Cr-Al alloy design parameter

线径 Diameter mm	截面积/X _{ross} Sectional Area mm ²	每米表面积 Surface Per Meter cm ² /m	0Cr25Al5		0Cr21Al6Nb		0Cr27Al7Mo2	
			每米重量 Weight Per Meter kgm	每米电阻 Resistance Per Meter Ω /m,20℃	每米重量 Weight Per Meter kgm	每米电阻 Resistance Per Meter Ω /m,20℃	每米重量 Weight Per Meter kgm	每米电阻 Resistance Per Meter Ω /m,20℃
0.10	0.007854	3.142	0.00005576	180.8	0.00005576	184.6	0.00005576	194.8
0.12	0.01131	3.770	0.00008030	125.6	0.00008030	128.2	0.00008030	135.3
0.15	0.01767	4.712	0.0001255	80.36	0.0001255	82.05	0.0001255	86.58
0.17	0.02270	5.341	0.0001612	62.56	0.0001612	63.88	0.0001612	67.41
0.19	0.02835	5.969	0.0002013	50.08	0.0002013	51.14	0.0002013	53.96
0.21	0.03464	6.597	0.0002459	41.00	0.0002459	41.86	0.0002459	44.17
0.25	0.04909	7.854	0.0003485	28.93	0.0003485	29.54	0.0003485	31.17
0.27	0.05726	8.482	0.0004065	24.80	0.0004065	25.33	0.0004065	26.72
0.29	0.06605	9.111	0.0004690	21.50	0.0004690	21.95	0.0004690	23.16
0.31	0.07548	9.739	0.0005359	18.81	0.0005359	19.21	0.0005359	20.27
0.35	0.09621	11.00	0.0006831	14.76	0.0006831	15.07	0.0006831	15.90
0.40	0.1257	12.57	0.0008922	11.30	0.0008922	11.54	0.0008922	12.18
0.45	0.1590	14.14	0.001129	8.928	0.001129	9.117	0.001129	9.620
0.50	0.1963	15.71	0.001394	7.232	0.001394	7.385	0.001394	7.792
0.60	0.2827	18.85	0.002007	5.022	0.002007	5.128	0.002007	5.411
0.70	0.3848	21.99	0.002732	3.690	0.002732	3.768	0.002732	3.976
0.80	0.5027	25.13	0.003569	2.825	0.003569	2.885	0.003569	3.044
0.90	0.6362	28.27	0.004517	2.232	0.004517	2.279	0.004517	2.405
1.00	0.7854	31.42	0.005576	1.808	0.005576	1.846	0.005576	1.948
1.20	1.131	37.70	0.008030	1.256	0.008030	1.282	0.008030	1.353
1.40	1.539	43.98	0.01093	0.9224	0.01093	0.9419	0.01093	0.9939
1.60	2.011	50.27	0.01428	0.7063	0.01428	0.7212	0.01428	0.7610
1.80	2.545	56.55	0.01807	0.5580	0.01807	0.5698	0.01807	0.6013
2.00	3.142	62.83	0.02231	0.4520	0.02231	0.4615	0.02231	0.4870
2.20	3.801	69.12	0.02699	0.3736	0.02699	0.3814	0.02699	0.4025
2.50	4.909	78.54	0.03485	0.2893	0.03485	0.2954	0.03485	0.3177
2.80	6.158	87.96	0.04372	0.2306	0.04372	0.2355	0.04372	0.2485
3.00	7.069	94.25	0.05019	0.2009	0.05019	0.2051	0.05019	0.2165
3.50	9.621	110.0	0.06831	0.1476	0.06831	0.1507	0.06831	0.1590
4.00	12.57	125.7	0.08922	0.1130	0.08922	0.1154	0.08922	0.1218
4.50	15.90	141.4	0.1129	0.08928	0.1129	0.09117	0.1129	0.09620
5.00	19.63	157.1	0.1394	0.07232	0.1394	0.07385	0.1394	0.07792
5.50	23.76	172.8	0.1687	0.05977	0.1687	0.06103	0.1687	0.06440
6.00	28.27	188.5	0.2007	0.05022	0.2007	0.05128	0.2007	0.05411
6.50	33.18	204.2	0.2356	0.04279	0.2356	0.04370	0.2356	0.04611
7.00	38.48	219.9	0.2732	0.03690	0.2732	0.03768	0.2732	0.03976

镍铬、镍铬铁合金线径系列的设计参数

Nichrome alloy design parameter

线径 Diameter mm	截面积/ross Sectional Area mm ²	每米表面积 Surface Per Meter cm ² /m	Cr20Ni80		Cr30Ni70		Cr15Ni60		Cr20Ni35		Cr20Ni30	
			每米重量 Weight Per Meter kgm	每米电阻 Resistance Per Meter Ω/m,20℃	每米重量 Weight Per Meter kgm	每米电阻 Resistance Per Meter Ω/m,20℃	每米重量 Weight Per Meter kgm	每米电阻 Resistance Per Meter Ω/m,20℃	每米重量 Weight Per Meter kgm	每米电阻 Resistance Per Meter Ω/m,20℃	每米重量 Weight Per Meter kgm	每米电阻 Resistance Per Meter Ω/m,20℃
0.10	0.007854	3.142	0.00006597	138.8	0.00006362	150.2	0.00006440	142.6	0.00006205	132.4		
0.12	0.01131	3.770	0.00009500	96.38	0.00009161	104.3	0.00009274	99.03	0.00008935	91.96		
0.15	0.01767	4.712	0.0001484	61.68	0.0001431	66.77	0.0001449	63.38	0.0001396	58.85		
0.17	0.02270	5.341	0.0001907	48.02	0.0001839	51.99	0.0001861	49.34	0.0001793	45.82		
0.19	0.02835	5.969	0.0002382	38.44	0.0002297	41.62	0.0002325	39.50	0.0002240	36.68		
0.21	0.03464	6.597	0.0002909	31.47	0.0002806	34.07	0.0002840	32.34	0.0002736	30.03		
0.25	0.04909	7.854	0.0004123	22.21	0.0003976	24.04	0.0004025	22.82	0.0003878	21.19		
0.27	0.05726	8.482	0.0004809	19.04	0.0004638	20.61	0.0004695	19.56	0.0004523	18.16		
0.29	0.06605	9.111	0.0005548	16.50	0.0005350	17.86	0.0005416	16.96	0.0005218	15.75		
0.31	0.07548	9.739	0.0006340	14.44	0.0006114	15.63	0.0006189	14.84	0.0005963	13.78		
0.35	0.09621	11.00	0.0008082	11.33	0.0007793	12.26	0.0007889	11.64	0.0007601	10.81		
0.40	0.1257	12.57	0.001056	8.674	0.001018	9.390	0.001030	8.913	0.0009927	8.276		
0.45	0.1590	14.14	0.001336	6.853	0.001288	7.419	0.001304	7.042	0.001256	6.539		
0.50	0.1963	15.71	0.001649	5.551	0.001590	6.010	0.001610	5.704	0.001554	5.297		
0.60	0.2827	18.85	0.002375	3.855	0.002290	4.173	0.002318	3.961	0.002234	3.678		
0.70	0.3848	21.99	0.003233	2.832	0.003117	3.066	0.003156	2.910	0.003040	2.702		
0.80	0.5027	25.13	0.004222	2.168	0.004072	2.348	0.004122	2.228	0.003971	2.069		
0.90	0.6362	28.27	0.005344	1.713	0.005153	1.855	0.005217	1.761	0.005026	1.635		
1.00	0.7854	31.42	0.006597	1.388	0.006362	1.502	0.006440	1.426	0.006205	1.324		
1.20	1.131	37.70	0.009500	0.9638	0.009161	1.043	0.009274	0.9903	0.008935	0.9196		
1.40	1.539	43.98	0.01293	0.7081	0.01247	0.7665	0.01262	0.7276	0.01216	0.6756		
1.60	2.011	50.27	0.01689	0.5421	0.01629	0.5869	0.01649	0.5570	0.01588	0.5173		
1.80	2.545	56.55	0.02138	0.4283	0.02061	0.4637	0.02087	0.4401	0.02010	0.4087		
2.00	3.142	62.83	0.02639	0.3470	0.02545	0.3756	0.02576	0.3565	0.02482	0.3310		
2.20	3.801	69.12	0.03193	0.2867	0.03079	0.3104	0.03117	0.2946	0.03003	0.2736		
2.50	3.976	70.69	0.03340	0.2741	0.03221	0.2968	0.03260	0.2817	0.03141	0.2616		
2.80	6.158	87.96	0.05172	0.1770	0.04988	0.1916	0.05049	0.1819	0.04864	0.1689		
3.00	7.069	94.25	0.05938	0.1542	0.05726	0.1669	0.05796	0.1584	0.05584	0.1471		
3.50	9.621	110.0	0.08082	0.1133	0.07793	0.1226	0.07889	0.1164	0.07601	0.1081		
4.00	12.57	125.7	0.1056	0.08674	0.1018	0.09390	0.1030	0.08913	0.09927	0.08276		
4.50	15.90	141.4	0.1336	0.06853	0.1288	0.07419	0.1304	0.07042	0.1256	0.06539		
5.00	19.63	157.1	0.1649	0.05551	0.1590	0.06010	0.1610	0.05704	0.1551	0.05297		
5.50	23.76	172.8	0.1996	0.04588	0.1924	0.04967	0.1948	0.04714	0.1877	0.04377		
6.00	28.27	188.5	0.2375	0.03855	0.2290	0.04173	0.2318	0.03961	0.2234	0.03678		
6.50	33.18	204.2	0.2787	0.03285	0.2688	0.03556	0.2721	0.03375	0.2621	0.03134		
7.00	38.48	219.9	0.3233	0.02832	0.3117	0.03066	0.3156	0.02910	0.3040	0.02702		

部分产品展示

