

About Us

Shanghai Shineworld Group Co., Ltd. was built in 2004. Shineworld is a group, who collect research, production and sale into one body. Our philosophy isprofessional and industria for wire and cable field, Shineworld could control the whole purchase, design, and manufacture, service channel, that why we have thecapability to control the cost, also can improve the work efficiency. We have Branch Company in Iraq, Iran, Mozambique and Nigeria. We devote ourselves to providing solution service for wire and cable plant. Our service includes: project proposal, production process design, factory design, machines recommendation, machine production, supervising the loading, installation and commissioning, offering after- sales service, offering the plant accessories, raw material and spare parts from head office and branch office. Shineworld is your professional project manager.GUIDE YOU INVESTMENT, FAST MAKE MONEY!

Here, you could get more techanical parameters and photos for:

- Series of Raw Material used during the production.
- Series of Auxiliary Equipment used during the production.
- Series of Tesing Equipments.

What we could offer is not only the materal listed here, here is just some representative products for your reference and understand what and which field we are working on. And feel free to contact us for any raw material or auxiliary parts and equipments inquiry. We will offer the more details accordingly.

Company Contact information:

- Tel: 0086-21-33778841
- Tel: 0086-21-55512500
- Fax: 0086-21-23025769
- E-mail: sales@shineworldgroup.com
- Website: www.shineworldgroup.com
- CompanySkype: shineworldchina

Company Whatapp

Sale department: 13917785189, 15021054880

After- sales service department: 18317122982

Technical department: 15800928779

Company Viber

Sale department: 13917785189, 15021054880

After- sales service department: 18317122982

Technical department: 15800928779



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Galvanized Low Carbon Steel Armoring Wires

General Description

This specification covers hot dip galvanized round mild steel wire as per BS 5467, BS EN 10257-1, BS EN 10257-2 and flat, rectangular shaped galvanized mild steel wires.



Applications

The round galvanized mild steel wires covered by this specification are used for armouring of land energy, instrumentation and telecommunication cables (BS EN 10257-1 and BS 5467) and of submarine cables (BS EN 10257-2).

Technical Specifications

- 3.1 The quality of the galvanized armouring wires meet the requirements of BS EN 10257-1, BS EN 10257-2 and BS 5467.
- 3.2 Wires will be made of (low carbon) steel, and will be galvanized with refined zinc of min. % 99,9 purity by the hot dip process.
- 3.3 Round wires will have a cylindrical shape and a uniform diameter all over the wire. The diameter of the wire will be within the limits given in the relevant tables.
- 3.4 The electrical equivalent resistivity for all wires have been based on 13,8x10-8 ohm.m. The result has been calculated from nominal diameters of all wires.
- 3.5 Sample length (Lo) for the Tensile Strenght Test: Lo = 100 x d (d 2 2,00 mm), Lo = 250 mm (d > 2,00mm)

Table 3.1 – Technical Specifications of Armouring Wires According to BS 5467 (Land Cables)

Nom. Dia.	Diameter Tolerance Torsion Test (mm)		Tensile Strength	DC Resistance	Zinc Coating		
(mm)	Min	Max	Min Number of Turns	Sample Length (mm)	(N/mm²)	(ohm/km)	(g/m²)
0.9	0.85	0.95	33	75	340-500	227.0	112.0
1.25	1.18	1.32	24	75		118.1	150.0
1.60	1.51	1.69	37	150		72.2	172.0
2.00	1.90	2.10	30	150		46.2	180.0
2.50	2.37	2.63	24	150		29.7	195.0
3.15	2.99	3.31	19	150		18.90	206

Table 3.2 – Technical Specifications of Armouring Wires According to BS EN 10257-1 (Land Cables)

Nom. Dia.	Diameter Tolerance (mm)		Torsi	Torsion Test		DC Resistance	Zinc Coating
(mm)	Min	Max	Min Number of Turns	Sample Length (mm)	Strength (N/mm²)	(ohm/km)	(g/m²)
0.9	0.85	0.95	33	75	340-500	227.0	166.0
1.25	1.21	1.29	24	75		118.1	180.0
1.60	1.55	1.64	37	150		72.2	195.0
2.00	1.95	2.05	30	150		46.2	215.0
2.50	2.44	2.56	24	150		29.7	245.0
3.15	3.08	3.22	19	150		18.90	255.0

Packing and Delivery

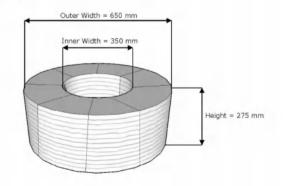
Armouring wires can be packed according to one of the below given three standard packing types. It is also possible to configure the packing according to customer requirements. Please note that, while all round armouring wires can be packed in all of the below mentioned packing types, flat rectangular shaped armouring wires can be packed only on reels or spools and in pattern laid coils.

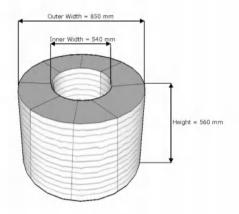
4.1Rosette (or Orbit) Coils

Table 4.1.1 - Coil Type R350/650

Wire Diameter (mm)	Coil Ø Inner Dia. (mm)	Coil Ø Outer Dia. (mm)	Coil Height Aprx. (mm)	Coil Weight Aprx. (kg)
0.90 1.25 1.60	350 ± 30	650 ± 30	600 ± 100	350 ± 100
0.90 1.25 1.60	500 ± 50	700 ± 50	600 ± 100	500 ± 150
2.0 2.5 3.15	500 ± 50	900 ± 50	850 ± 100	850 ± 150
2.5 3.15	600 ± 50	1000 ± 50	1000 ± 50	1350 ± 150

4.2 Pattern Laid Coils





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Galvanized Low Carbon Steel Armoring Tape

General Description

This specification covers hot dip galvanized round mild steel tape

Technical Specification

Table 2.1 – Technical Specifications of Armoring tape (Land Cables)



Packing and Delivery

Armoring tape can be packed according to one of the below given three standard packing types. It is also possible to configure the packing according to customer requirements. Please note that, while all round armouring tape can be packed in all of the below mentioned packing types.

3.1Coils size

Table 3.1.1 - Coil size

Thickness (mm)	Coil Ø Inner Dia. (mm)	Coil Ø Outer Dia. (mm)	Coil Height Aprx. (mm)	Coil Weight Aprx. (kg)
0.2		Tape Width	35~50±5	
0.3	105 5	630 1 5	Tape Width	35~50±5
0.5	195 ± 5	630 ± 5	Tape Width	40~70±5
0.8			Tape Width	70~90±5

Sample

Plain Non Woven Binder Tape

This polyester non woven tape with it's plain and smooth surface which comes in white color, ,can also be called "light non-woven tape" or "thin non-woven tape". It's characteristics such as high strength, light unit weight, low thickness, good softness, sulphide-resistance and suitable for wrapping and binding all kinds of cables.

Specifications:

Specification	Unit			Typical Result			Test Method
Thickness	mm	0.05± 0.01	0.06 ± 0.015	0.08 ± 0.015	010 ± 0.02	0.22 ± 0.03	ISO 9073/2
Mass per unit weight	g/m²	34 ± 4	45 ± 5	60 ± 6	80 ± 8	115 ± 12	ISO 9073/1
Breaking strength	N/cm	≥15	≥26	≥33	≥50	≥55	ISO 9073/3
Elongation	%	≥10	≥12	≥12	≥12	≥12	ISO 9073/3
Short-term stability	C	230	230	230	230	230	Star Material Method
Long-term stability	C	90	90	90	90	90	IEC 216
Moisture content	%	≤5	≤5	≤5	≤5	≤5	ISO 287

Value are shown for reference only. For more accurate figures, please ask for technical data sheets.



Embossed Non Woven Binder Tape

The star Material Polyester-Non-Woven-Tape has an embossed surface to wrap-up and bind the cable tighter so that it does not become to loose. This tape comes in white color, has characteristic such as high strength, light unit weight, low thickness, good softness, sulphide-resistance and suitable for wrapping and binding all kinds of cables.



Specifications:

Specification	Unit			Typical Result			Test Method
Thickness	mm	0.15± 0.03	0.17 ± 0.03	0.20 ± 0.04	0.25 ± 0.04	0.30 ± 0.05	ISO 9073/2
Mass per unit weight	g/m ²	34 ± 4	45 ± 5	60 ± 6	80 ± 8	115 ± 12	ISO 9073/1
Breaking strength	N/cm	≥20	≥30	≥40	≥50	≥60	ISO 9073/3
Elongation	%	≥10	≥12	≥12	≥12	≥12	ISO 9073/3
Short-term stability	C	230	230	230	230	230	Star Material Method
Long-term stability	Č	90	90	90	90	90	IEC 216
Moisture content	%	≤5	≤5	≤5	≤5	≤5	ISO 287

Value are shown for reference only. For more accurate figures, please ask for technical data sheets.

Winding Solutions for both Binder Tapes:

Туре	ID(mm)	OD(mm)	Width(mm)	Core
Pad	52(2"),58, 76(3"),80,102(4"),152(6"),204(8")	UP to 600	≥5	Plastic,Paper
Spool	76(3")	250-400	Up to 350	Paper



Polypropylene Foamed Tape

The Star Material Foamed Polypropylence Tape is a binding film which has a foam structure and high tenacity. It also has low basis weight, good tensile strength and can hold the cable firm. It is widely used in low and medium voltage cables (from 10 to 35Kv).



Specifications:

Specification	Unit	PPF-12	PPF-15	PPF-18
Thickness	mm	0.12 ±0.02	0.15 ±0.02	0.18 ±0.02
Mass per unit weight	g/m²	60 ±10	75 ±10	90 ±10
Tensile strength	Mpa	≥80	≥80	≥80
Elongation at breaking	%	≥10	≥10	≥10
Melting point	C	225	225	225
Heat shrinkage(100 °C,10min)	%	≤6	≤6	≤6

Types & Sizes: Each type determined by thickness of laminates and tape width.

Winding Solutions:

ĺ	Туре	ID(mm)	OD(mm)	Width(mm)	Core
	Pad	52(2"),58, 76(3"),80,102(4"),152(6")	Up to 600	≥10	Plastic,Paper

Sample

Polyester Tape

Star Material Polyester Tape (also called PET tape or Mylar tape) ,is a transparent film which has good tensile strength and good heat resistance attributes. The melting point is at around 255 °C. We can also provide different colors of polyester tapes

These tapes are widely used in power cables, communication cables, coaxial cables, magnetic wires and other special cables.



Specifications:

Specification	Unit	Typical Result
Thickness	micron	12-75
Density	g/m³	1.40±5%
Tensile Strength(MD)	Mpa	≥150
Elongation at break(MD)	%	≥50
Melting Point	C	255
Heat Shrinkage(150 ℃,30min)	%	≤3.5

Colors:

Natural, Red, Yellow, Blue, Green, Black, etc.

Winding Solutions:

Type	ID(mm)	OD(mm)	Width(mm)	Core
Pad	52(2"),58,76(3"),80,102(4"),152(6")	Up to 600	≥5	Plastic,Paper
Spool	76(3'')	250-350	Up to 350	Paper

Sample



Polypropylene (pp) Filler Yarn

Star Materials offers different grades of polypropylene filler yarn. Each grade is suitable depending on the cables demand:

- Normal Grade is suitable for large cables, with lower price. For example, power cables, aerial cables or rubber cables.
- High Grade is suitable for all kinds of cable with the lower unit weight, a reasonable price and no joint inside.
- Super Grade is made by 100% virgin PP and has the best tensile strength without joint. Due to the twisting, it has an accurate diameter and can easily make the cable round and smooth. It is suitable for all kinds of cables especially submarine cables and elevator cables. The original color is transparent however we also offer different colors.



Specifications:

Specification	Unit	Normal Grade	High Grade	Super Grade	Super Grade Twisted
Linear Density	Denier(D)	20,000-800,000	3,800-300,000	2,000-20,000	2,000-50,000
Diameter	mm	1-30	0.5-10	0.5-8	0.5-5
Breaking Strength	g/D	0.2-0.6	0.6-1.4	2-3.5	2.3-3.8
Elongation	%	≥20	≥20	≥20	≥20
Heat Shrinkage(1000C,1min)	%	6	4.5	3	3
Color	White	White	White	Transparent, Blue Black etc.	Transparent, Blue Black etc.

Note:

9Denier=1g/km

Tube & Bobbin Size:

Size	A	В	С	D
ID(mm)	38,50,76	38,50,76	76	38
Tube Height(mm)	255	310	450	220
OD(mm)	180-250	200-350	300-500	180-250
Weight(kg)	2.5-8	5-15	15-40	2.5-5

Sample



Star Materials offers both - Flame Retardant Polypropylene Filler Yarn and Low-Smoke Halogen-Free Flame Retardant Polypropylene Filler Yarn to meet the different demands of FR cables:

- FR PP Filler Yarn is an environmentally friendly flame retardant material with light weight, excellent tensile strength and it can easily make the wire & cable round and smooth. This material includes
- LSHF FR PP Filler Yarn is an environmentally friendly flame retardant material, without halogen and asbestos free.



Specifications:

Specification	Unit	FR PP Filler	LSHF FR PP Filler
Linear Density	Denier(D)	3800-300000	5000-300000
Diameter	mm	0.5-10	1-10
Breaking Strength	g/D	2-3.5	2-3.5
Elongation	%	≥20	≥20
Oxygen Index	%	≥30	≥30
Halogen		yes	Free
Color	*	White, Blue, etc.	White, Blue, etc.

Note:

9Denier=1g/km

Tube & Bobbin Size:

Size	Α	В	C	D
ID(mm)	38,50,76	38,50,76	76	38
Tube Height(mm)	255	310	450	220
OD(mm)	180-250	200-350	300-500	180-250
Weight(kg)	2.5-8	5-15	15-40	2.5-5

Cananla	
Sample	

Phlogopite Glass Mica Tape

The Star Material Phlogopite Glass Mica Tape consist of Phlogopite mica paper and is reinforced with alkali-free fiberglass cloth with a precise amount of special silicone resin adhesive in-between. This tape has great flexibility, high tensile strength and shows outstanding high temperature resistance towards fire and flame. It can resist temperatures of up to 800 $^{\circ}\mathrm{C}$ and therefore it is used for fire resistant cables, flame retardant cables and high temperature resistant cable.



Specifications:

Specification	Unit	P90G32	P115G32	P130G32
Construction	4	Phlogopite mica paper/Fiberglass	Phlogopite mica paper/Fiberglass	Phlogopite mica paper/Fiberglass
Thickness	mm	0.10±0.015	0.12±0.02	0.14±0.02
Total Weight	g/m ²	135±15	170±15	190±20
Mica Paper	g/m ²	90±5	115±5	130±5
Fiberglass	g/m ²	32±3	32±3	32±3
Bonding Agent	g/m ²	17±2	17±2	17±2
Tensile Strength	N/cm	≥80	≥100	≥100
Dielectric Strength	KV/layer	>1.2	>1.2	>1.2
Asbetors	-	Free	Free	Free
Aspetors	-	Free	Free	Free

Sample

Muscovite Glass Mica Tape

The Star Material Muscovite Glass Mica Tape(or so called Calcined Glass Mica Tape) consist of Muscovite mica paper and is reinforced with alkali-free fiberglass cloth with a precise amount of special silicone resin adhesive in-between. This tape has great flexibility, high tensile strength and shows outstanding high temperature resistance towards fire and flame. This tape can resist temperatures of up to 950 $^{\circ}$ C and is widely be used for fire resistant cables, flame retardant cables and high temperature resistant cable. It comes as two different types.



Specifications:

Specification	Unit	M90G32	M115G32	M130G32
Construction	-	Muscovite mica paper/Fiberglass	Muscovite mica paper/Fiberglass	Muscovite mica paper/Fiberglass
Thickness	mm	0.10±0.015	0.12±0.02	0.14±0.02
Total Weight	g/m ²	135±15	170±15	190±20
Mica Paper	g/m ²	90±5	115±5	130±5
Fiberglass	g/m ²	32±3	32±3	32±3
Bonding Agent	g/m²	17±2	17±2	17±2
Tensile Strength	N/cm	≥80	≥100	≥100
Dielectric Strength	KV/layer	>1.2	>1.2	>1.2
Asbetors	-	Free	Free	Free

Sample

Synthetic Glass Mica Tape

The Star Material Synthetic Glass Miaca Tape consist of white synthetic mica paper and is reinforced with alkali-free fiberglass cloth with a precise amount of special silicone resin adhesive in-between. This tape has great flexibility, high tensile strength and shows outstanding high temperature resistance towards fire and flame. These tape can resist temperatures between 800-950 $^{\circ}$ and are widely used for fire resistant cables, flame retardant cables and high temperature resistant cable.



Specifications:

Specification	S90G32	S115G32	S130G32
Construction	Synthetic mica paper/Fiberglass	Synthetic mica paper/Fiberglass	Synthetic mica paper/Fiberglass
Thickness	0.10±0.015	0.12±0.02	0.14±0.02
Total Weight	135±15	170±15	190±20
Mica Paper	90±5	115±5	130±5
Fiberglass	32±3	32±3	32±3
Bonding Agent	17±2	17±2	17±2
Tensile Strength	≥80	≥100	≥100
Dielectric Strength	>1.2	>1.2	>1.2
Asbetors	Free	Free	Free

Values shown are for references only. For more accurate figures, please ask for technical data sheets.

Winding Solutions for all 3Mica Types:

Туре	ID(mm)	OD(mm)	Width(mm)	Core
Pad	52(2"),76(3")	250-400	≥5	Plastic, Paper
Spool	76(3")	200-300	Up to 350	Paper

Sample	
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Copper Polyester Tape

The Star Material Copper Polyester Tape(CU/PET), is used as a shielding foil for cables which must be free of electromagnetic or electrostatic interference. The copper layer has excellent mechanical and shielding characteristics where as the polyester layer provides the electric insulation characteristics and makes the tape softer to wrap.

Copper polyester tape is used for example in low and medium voltage cables, control cables, coaxial cables, and more...



Specifications:

Structure	Thickness (micron)	Weight (g/m²)	Yield (m²/kg)	Tensile strength (N/mm²)	Elongation(%)
CU15/PET18	36	161.7	6.2	≥80	≥10
CU15/PET30	48	178.5	5.6		
CU18/PET23	44	195.4	5.1		
CU25/PET30	58	267.5	3.7		
CU50/PET50	103	518	1.9		

Values shown are for references only. For more accurate figures, please ask for technical data sheets.

Winding Solutions:

Туре	ID(mm)	OD(mm)	Width(mm)	Core
Pad	52(2"),76(3"),152(6")	Up to 500	10-400	Plastic,Paper

Sample

Aluminum Polyester Tape

The star material aluminum polyester tape (AL/PET or ALU/PET), occasionally also called "Single side Aluminum Polyester Tape" is used as a shielding foil for cables which must be free of electromagnetic electrostatic interference. It is used for instance in:electronic cables,data cables,coaxial cables,LAN cables, (CAT5/CAT6/CAT7), signal cables and more...



Specifications:

Structure	Thickness (micron)	Weight (g/m²)	Yield (m²/kg)	Tensile strength (N/mm²)	Elongation(%)
AL7/PET12	22	38.7	25.8		
AL7/PET15	25	42.9	23.3		
AL9/PET12	24	44.1	22.7		
AL9/PET18	30	52.5	19.0		
AL9/PET23	35	59.5	16.8		
AL9/PET25	37	62.3	16.1		
AL9/PET30	42	69.3	14.4		
AL9/PET38	50	80.5	12.4		
AL12/PET25	40	70.4	14.2		
AL15/PET18	36	68.7	14.6	≥75	≥15
AL15/PET30	48	58.5	11.7		
AL15/PET36	54	93.9	10.6		
AL20/PET25	48	92	10.9		
AL25/PET12	40	87.3	11.5		
AL25/PET23	51	102.7	9.7		
AL25/PET30	58	112.5	8.9		
AL25/PET40	68	126.5	7.9		
AL38/PET40	81	161.6	6.2		
AL45/PET18	66	149.7	6.7		
AL50/PET15	68	159	6.3		

Colors:

Natural (Silver), Blue, Red, Copper, Green, Gold, Pink

Winding Solutions:

Туре	ID(mm)	OD (mm)	Width(mm)	Core
pad	52(2"),58,76(3"),80,102(4"),152(6")	Up to 600	≥5	Plastic, Paper
spool	76(3")	250-350	Up to 350	Paper

Sample	
Sample	



Aluminum Polyester Aluminum Tape

The star material aluminum polyester tape (AL/PET/AL or ALU/PET/ALU), occasionally also called "Double side Aluminum Polyester Tape" is used as a shielding foil for cables which must be free of electromagnetic or electrostatic interference. It is widely used in different communication cables for example :data cables,coaxial cables,LAN cables, signal cables ,etc.



Specifications:

Structure	Thickness (micron)	Weight (g/m²)	Yield (m²/kg)	Tensile strength (N/mm²)	Elongation(%)
AL7/PET15/AL7	35	64.8	15.4		
AL9/PET15/AL9	39	75.6	13.2		
AL9/PET25/AL9	49	89.6	11.2	≥60	≥15
AL9/PET36/AL9	60	105	9.5		
AL20/PET20/AL20	66	142	7.0		
AL25/PET20/AL25	76	169	5.9		

Colors:



Cable Identification Tape

The Star Material cable identification tape is a colored tape for binding and color identification purpose. We can have your company logo or various letters printed on it. The base material is PET and can resist the high temperature below 230 °C . The color does not fade after extruding.



Specifications:

- 10 11	200.00		T 1 1 1		
Specification	Unit		Typical result		
Width	mm	3±0.5	4.5±0.5	7±0.5	
Thickness	um		40±5		
Density	g/cm ³		1.40±5%		
Tensile Strength	Mpa		≥150		
Elongation at break	%		≥80		
Melting Point	C		255		
leat Shrinkage(150 ℃ ,30min)	%		≤3.5		

Colors:

Red, Yellow, Blue, Green, Black, White, Grey, Brown, Orange and many more...

Winding Solutions:

Spool ID(mm)	Spool Flange OD(mm)	Spool Height (mm)	Material
24	120	115	Plastic

Sample	

Cable Factory Dies

Tolerance

Scope of size	Standard Tolerance	Roundness
0.020	0.0005	0.0003
0.021-0.050	0.0007	0.0004
0.051-0.100	0.0010	0.0005
0.101-0.200	0.0010	0.0007
0.201-0.400	0.0015	0.0010
0.401-0.600	0.0020	0.0010
0.601-1.000	0.0030	0.0015
1.001-1.500	0.0040	0.0025
1.501-2.000	0.0050	0.0035
2.001-3.000	0.0060	0.0040

Usage Time based on Different Material

Material	Die size mm	Hard alloy material	Natural diamond	Polycrystalline
Steel	0.180	1	200	600
Steel	1.000	1	150	600
Zinc- clap steel	0.175	1	10	60
Copper- clap steel	1.200	1	50	120
Stainless steel pipe	0.250	1	100	200
Stainless steel pipe	0.415	1	100	200
Brass- clap steel	0.175	1	6	30
Zinc- clap steel	0.200	1	50	250

Necessary Information

- dies size
- die tolerance
- die holder size
- drawing material
- the drawing machine elongaration rate.
- quantity

Accessories

Shineworld <

Techanical Parameter

Dies type	Images	Material	Discription	Scope of die	Application features
		Natural diamond	Density: 3.515g/cm3; Hardness : Mohs: 10; MOE Modulus Of Elasticity: 1.25-10.76 GPa	0.015mm -2.00mm	
		Artificial diamond	Nitrogen content: 100-150PPM; The metallic impurity contents: <50PPM; Density: 3.52 g/cm3; MOE Modulus Of Elasticity: 1.50GPa; Thermostability: >1100°C	0.025mm -0.70mm	Electromagnetic wire,enamelled wire,tungsten filament,- tin ning filament,copper
Drawing dies		Imported polycrystalline	Imported polycrystalline is made by diamond tiny powder with metal(cabalt) as catalyst in hgh temperature and high pressure.	0.100mm -20.00mm	plating filament, copper filament, stainless steel filament, gold filament, silver filament,
		Domestic polycrystalline	Domestic polycrystalline made by diamond tiny powder,takes cobalt or silicon as catalyst in high temperature and high pressure.	0.20mm -8.00mm	aluminum filament,cop- per-clad aluminum filament.
	000	Hard alloy	Cheap price is its most obviously feature, it's suitable for black metal and big prize material and in bad working condition.	0.15mm -45.00mm	
Enamling wire dies		Tungsten carbide		» 0.25mm	More accurate than felt coating,longer insula- tion,Longer working life, Easily wire-drawing,bet- ter cost performance
	15 1 1 1	Red diamond	1	0.025mm -0.70mm	Abrasion resistant, eco- nomical
Tin coating dies	SDEE S	Natural diamond	1	Depends on the order	Smoothy surface, accurate size, average galvanized layer. Avoid staining tin and blocking up by tin.
		Artificial polycrystalline	1	Depends on the order	Abrasion resistant,eco- nomical
Stranding dies	~	Artificial polycrystalline	with dies and die holder	Depends on the order	Abrasion resistant, eco- nomical
Stranding dies	000	Hard alloy	with dies and die holder	Depends on the order	Economical
Sector conductor dies		#45 STEEL	with up and down rollers	Up to 3*400mm 2 and 4*400mm 2	Economical
Extruder line dies		#45 Steel+ tungsten steel	fixable and adjustable type.	for 45, 65, 90, 120, 150, 200 type extruder line.	For house wire, telephone cable, lab cable and fabric cable, insulation cable, power cable,coaxial cable.
Laying up machine dies		#45 STEEL	with dies and die holder	up to 4*400mm 2	Economical

Cold Welder

Cold Welder for the Rod

hinworld type Pictures	Scope of	welding	Size(mm)	Weight(g)	Machine material
	Copper Rod	Alu Rod			
SWJO	(Cu) 0.05mm-0.15mm	(AI) 0.07mm-0.15mm	150*40*155	500	stainless steel
ies used for SWJO TYPE					
SWJ1-W	(Cu) 0.10mm-0.50mm	(AI) 0.10mm-0.50mm	160*50*160	650	stainless steel
SWJ1-B	(Cu) 0.10mm-0.50mm	(AI) 0.10mm-0.50mm	105*60*145	800	stainless steel
SWJ1-C	(Cu) 0.10mm-0.50mm	(AI) 0.10mm-0.50mm	180*50*60	550	stainless steel
SWJ1-A	(Cu) 0.10mm-0.50mm	(Al) 0.10mm-0.50mm	105*60*145	500	alu alloy
SWJ1	(Cu) 0.10mm-0.50mm	(Al) 0.10mm-0.50mm	200*80*80	1800	stainless steel
ies used for SWJ1 series					
SWJS2S-A	(Cu) 0.30mm-0.90mm	(AI) 0.30mm-1.00mm	250*80*80	1400	stainless steel
SWJ2-A	(Cu) 0.30mm-1.20mm	(AI) 0.30mm-1.40mm	220*130*200	9500	casting steel
SWJ2-B	(Cu) 0.30mm-1.20mm	(Al) 0.30mm-1.40mm	220*160*230	11000	casting iron
ies used for SWJ2 series	1				
SWJ3-A	1.00mm-3.25mm	1.00mm-5.00mm	300*180*300	36000	casting steel
SWJ3-B	1.00mm-3.25mm	1.00mm-5.00mm	280*180*300	33000	casting iron
SWJ3-C	1.00mm-3.25mm	1.00mm-5.00mm	280*180*300	335000	casting iron
SWJ3-D	1.00mm-3.25mm	1.00mm-5.00mm	280*180*300	33000	casting iron
ies used for SWJ3 series					
SWLS3TY	1.00-4.00mm	1.0-4.00mm	550*550*920	130000	0.75kw, 6.5MPa
SWLS4TY	2.00-5.00mm	2.00-8.00mm	620*550*1000	220000	1.5kw, 6.5MPa
SWLS5TY-B	4.00-8.00mm	4.00-14.00mm	1190*570*1100	650000	5.5kw 6.5MPa
SWLS5TY-A	3.00-6.00mm	3.00-10.00mm	1200*600*1200	600000	3.0kw 6.5MPa
SWLS6TY	7.00-13.00mm	7.00-25.00mm	1300*750*1000	1750000	7.5kw 8.0MPa

Cold Welder for the Inter Lock Material

Shinworld type	Pictures	Width	Thickness	Thickness	Size	Weight
SWJ3-INTERLOCK		0.25-21mm	1.00-6.0mm	1.00-6.0mm	550*550*920	130000
SWJ4-INTERLOCK		0.25-35mm	0.25-6.0mm	0.25-6.0mm	620*550*1000	220000

Cold Welder for the Conductor

Туре	Pictures	Welding range	Rate pressure	Maximum power	Clamping system
SWCW-1		0.5-8mm²	220V/50Hz	3KVA	Mechanical
SWCW-1A	A.	0.5-10mm ²	220V/50Hz	3KVA	Mechanical
SWCW-2	*	16-120mm ²	380V/50Hz	40KVA	Pneumatic
SWCW-3		95-240mm ²	380V/50Hz	80KVA	Pneumatic
SWCW-5		200-400mm ²	380V/50Hz	200KVA	Pneumatic
SWCW-6	30 1	400-630mm ²	380V/50Hz	300KVA	Pneumatic

Butt Welder







		10								
Series	Application	SN	Model	Rated capacity	luput Voltage	Input current	Duty	Y.	ing Dia(mm)
	100000000000000000000000000000000000000		Minace SA	(KVA)	(V)	(A)	cycle	Low carbon steel	Aluminum	Coopper
		1	UN-1	1	220	4.5	8	0.5-2.0	0.5-1.5	0.5-1.2
		2	UN-3	3	220	13.6	15	1.0-4.0	1.0-3.0	1.0-2.5
		3	UN-5	5	380	13.2	15	1.5-6.0	1.5-5.0	1.5-4.0
The UN series uesd for Rod wire	UN series butt-welders are widely used in the butt welding with the materials	4	UN-25	25	380	65.8	20	6.0-12.0	4.0-10.0	4.0-8.0
	such as the steel, iron, copper and aluminum in the	5	UN-30	30	380	78.9	20	6.0-16.0	5.0-12.0	4.0-1.0
	industries such as electric wire, drawbench, filler metal and the artetecture.	6	UN-50	50	380	131.6	20	8.0-18.0	6.0-14.0	5.0-12.0
		7	UN-75	75	380	197.4	20	8.0-25.0	8.0-20.0	6.0-16.0
		8	UN-100	100	380	263.2	20	10.0-35.0	10.0-22.0	8.0-20.0
			UN-160	160	380	421.1	20	12.0-40.0	12.0-28.0	10.0-25.0
			UN1-5	5	380	13.2	15	1.5-6.0	1.5-5.0	1.5-4.0
The UN1 series uesd for Rod	UN1 series butt-wrlders are	2	UN1-10	10	380	26.3	20	3.0-8.0	2.5-6.0	2.5-5.0
	widely used for abutting joint with the materials such as steel,iron,copper and alumi-	3	UN1-16	16	380	42.1	20	4.0-10.0	3.0-7.0	3.0-6.0
	num rod.		UN1-25	25	380	65.8	20	6.0-12.0	4.0-10.0	4.0-8.0
		1	UN2-5	5	380	13.2	15	1.5-6.0	1.5-5.0	1.5-4.0
The UN2 series uesd for Rod	UN2 series butt-wrlders is	2	UN2-10	10	380	26.3	20	3.0-8.0	2.5-6.0	2.5-5.0
	widely used in abutt joint of such materials as steel,iron,copper and		UN2-16	16	380	42.1	20	4.0-10.0	3.0-7.0	3.0-6.0
	aluminum rod.It is also used in the butt joint of flat bar, flat aluminum,steel tube and steel	4	UN2-25	25	380	65.8	20	6.0-12.0	4.0-12.0	4.0-8.0
	tube.What is more, it can be used to joint thr alloy copper	5	UN2-30	30	380	78.9	20	6.0-16.0	5.0-12.0	4.0-10.0
	and alloy tools.		UN2-50	50	380	131.6	20	8.0-18.0	6.0-14.0	5.0-12.0
		5	UN3-3	3	380	7.9	15	1.0-4.0	1.0-3.0	1.0-2.5
The UN3 series uesd for wire	UN3 series welder sre applicable to the abutting	6	UN3-5	5	380	13.2	15	1.5-6.0	1.5-5.0	1.5-4.0
	joint with the steel, iron, copper and aluminum wires.		UN3-10	10	380	26.3	15	3.0-8.0	2.5-6.0	2.5-5.0



Spot Welder









Series	Application	SN	Model	Rated capacity (KVA)	Iuput Voltage (V)	Input current (A)	Duty cycle	Electrode arm length (mm)	Reference to welding stel tape
DN Series for steel	DN and DN1 series marsh welders are widely used in the	1	DN-10	10	380	26.3	20	240	1.0+1.0
and copper tane		2	DN-16	16	380	42.1	20	270	1.5+1.5
tupe		3	DN-25	25	380	65.8	20	280	2.5+2.5
DN1 Series for steel	DN and DN1 series marsh welders are widely used in the welding of low carbon steel strip, corrosion resistant plate, wires, silver contact and lots of non-ferrous metals.	1	DN1-10	10	380	26.3	20	350	0.5+0.5-1.0+1.0
and copper		2	DN1-16	16	380	42.1	20	350	0.5+0.5-1.5+1.5
tape		3	DN1-25	25	380	65.8	20	350	1+1-2.5+2.5
		1	DN3-10	10	380	26.3	20	380	(0.5-1.5)x2
DN3 Series for steel	DN3 series spot welder is widely utilized in the spot welding of	2	DN3-16	16	380	42.1	20	380	(0.5-2.0)x2
and copper tape	mild steel, corrosion resistant plate and round wire in the industries such as panel beating,light fittings and hardware appliances.	3	DN3-25	25	380	65.8	20	380	(1.0-2.5)x2
tape		4	DN3-30	30	380	78.9	20	380	(1.0-3.0)x2
		5	DN3-50	50	380	131.6	20	380	(1.5-3.5)x2
DN4 Series for steel and	DN4 series spot welder is widely utilized in the spot welding with steel wires and iron wires, particularly applicable to the manufacture industries such as	1	DN4-10	10	380	42.1	20	380	ф5.0+ф5.0
copper		2	DN4-25	25	380	65.8	20	380	ф6.5+ф6.5
	the bicycle basket,mesh enclosure and the mesh.	3	DN4-30	30	380	78.9	20	380	ф8.0+ф8.0
DN5 Series for steel and	DN5 series mesh welders are applicable to the welding of ordinary steel plate, corrosion	1	DN5-10	10	380	26.3	20	400	0.5+0.5-1.5+1.5
copper	resistant plate, thin aluminum sheet and sheet copper. Functions of up/down adjust-	2	DN5-16	16	380	42.1	20	400	0.5+0.5-2.0+2.0
	ment and left/right rotation of electrode arm have been added	3	DN5-25	25	380	65.8	20	400	0.5+0.5-2.5+2.5
	to DN5B series, which are more suitable to those work pieces on which the ordinary welders cannot operate, such as medical devices.	4	DN5-30	30	380	78.9	20	400	1+1-3+3
		5	DN5-50	50	380	131.6	20	400	1+1-3.5+3.5
SDN Series spot	SDN series is applicable to the spot welding of various metal	1	SDN-5	5	220	22.7	15	50	0.05+0.05-0.18+0.18
welding machine for copper tape	materials such as the mild steel, stainless, copper stripe and aluminum stripe.	2	SDN-10	10	220	45.5	20	50	0.1+0.1-0.25+0.25

Accessories www.shineworl.dgroup.com

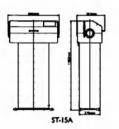
AC Spark Tester

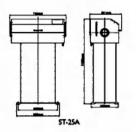
General Description:

Commercial Frequency AC Spark Tester is a special purpose test apparatus to detect fault or insulation on wire and cable. Intergrated with the technology of solid-state AC voltage regulation and single piece miroprocessor control, the machine features steady voltage output (unaffected by variation), high sensitivity of fault detection, versatility, user-friendless safety and reliability, new construction and beautiful apperance.









Technical Parameter

Votage output		SW-25A
votage output	1.0-15.0kV	2.0-25.0kV
Voltage indication error	<5%	<5%
Detection sensitivity	<6004A	<600ЧА
Stability	Complying with the requiremen	nts of GB3048.9-1994 and JB/T 4782.10
Detection Resolution	0.05s	0.05s
Transient breakdwon current	100mA	50mA
Steady short-circuit current	<20mA	<20mA
Detection speed, Max	300m/min	350/min
erall diameter of tested wire or cable, max	≤30mm	≤55mm
	Supply voltage	AC220V+10%
	Supply frequency	50+2Hz
Working Conditions	Ambient temperatures	0-40 °C
	Relative humidity,max	85%(witout condensed water)
	Mode of operation	continuous operation
	Mode of indication	Breakdown count and voice/light alarm
Breakdown indication	Count range	0-999
	Time duration for voice/light alarm	0.5-15 adhustable
Safety interlock		probe is provided with an switch and dischargr



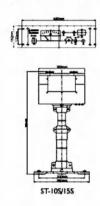


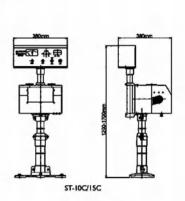
DC Spark Tester

General Description:

SW-10DC Spark Tester is a useful tool for detection of surface damage as well as for spark test for wire and cable with a diameter below 10mm. The DC high voliage tester recommended internationally is characterized by advanced design, new construction, steady voltage output, high sensitivity, adaptability, easy operation, versatile mounting, safety and reliability. It may be used for unline testing in combination with a pair twister or an extruder as well as for intermediate testing and testing for finished products.







Technical Parameter

Туре	ST-10C/ST-10S/ST-10D	ST-15C/ST-15S
Voltage output	DC 0-10000V	DC0-15000V
Effective test voltage	DC 500-10000V	DC 500-15000V
AC pulse ratio		<5%
Voltage stability	Voltage of power +15	%, output voltage is not change
Breakdown sensitivity	I=600)+50uA,I≤0.005S
Current range for breakdown sensitiviy	5	500-20004A
Steady-sytate short circuit current		3-4mA
Max.frequency of breakdown counting		10/s
Max. diamrter of tessed wire		10mm
Max.moving speed of the tested wire	2	2800m/min
	line voltage	AC220V+15%
	Power frequency	50+2Hz
	Power input	50 VA
Operation ocndutions	Ambient temperatures	-10-45 ℃
	Relative humidity	<85%(without condesed water)
	Mode of operation	Continous
Breakdown indication	Auto Mode	Audio/visual alarm and breakdown counting
	Manual Mode:	Audio/visual alarm , breakdown counting and control signal output
Safety interlock		ne probe is provided with an switch and dischargr roo voltage is cut off first, then the discharge rod touches maining electricity.

Concentric Taping Device

Specifications

Accessories

1	Applicable cable diameter	Φ6 ~ Φ14mm		
2	Package reel diameter (aperture provided by the demand side)	Ф500mm		
3	Package width	30 ~ 60mm		
4	Taping thickness	0.008 ~ 0.025mm		
5	Lead pack maximum speed	600r / min		
6	Wrapping Pitch	Stepless		
7	Taping material	polyester film and other non-tape		
8	Package lead structure	concentric		
9	Voltage rating	380V, AC, three-phase, 50Hz		
10	CVT package can lead, and has left and right ro	otation and neutral function		
11	Adopts 5.5KW AC motor drives, Danfo	oss inverter control		
12	Electric control device containing a set			
13	Using Chinese famous brand motor	or and bearings		

Vertical Meter Counter Specifications

1	Meters circumferential length	500mm
2	Meter accuracy	± 3 ‰
3	Meter maximum length	9999m
4	Dual active, upper and lower pressure wheel form, the meter wheel with	h spring buffer, both incoming and outgoing wire rack
5	Mechanical meter and electronic	meter function

Shineworld

Fiber Laser Marker

Summary:

It uses the fiber laser to output the laser light. The E /o convert ratio is high, the cubage is small, and the light beam is high-quality. The fiber laser's lifetime is more than 100,000 hours nowadays. If the machine works 24 hours everyday, there are 365 days a year, its lifetime can be more than 12 years. So we can say it is really free of maintaince.

Fiber laser marker is as small as a host computer. Its electric power is less than 500w. The build-in air-cooled method has replaced the water-cooled way which is more unwieldy and fragile. It can use 24V storage battery ,and realise energy efficiently and conveniently.

The facula model of fiber laser marker is very good. Because of the thinner single line, the machine is more suitable for the refined process. The area of process of 10W fibe laser rmarker has already covered 50W diode laser's, while the system's integration level is high, and has less faults, so it suits for processing industry . If using our high accurate bitmap software, the effect will be excellent.





Technical Parameters:

1	Output Power:	20W
2	Wavelength:	1060nm
3	Beam quality:	<1.2
4	Repeating frequency:	20KHz100KHz
5	Marking scope:	100mm×100mm / 150mm×150mm
6	Linear speed :	character/s
7	Marking Speed:	≤12000mm/s
8	Marking Depth:	≤0.4mm
9	Min. line width:	0.012mm
10	Min. character size:	0.15mm
11	Repeating accuracy:	±0.003mm
12	Electrical source:	0.5KW

Cable Thermal Marking Machine

Summary:

This machine is a passive towed cable stamping equipment, suitable for the factory name, product models, specifications and manufacturing meter length size identification logo embossed pipe products in the cable sheath surface and other rubber, plastic and other surface. Mark the words using the insert assembly mode, insert can be arbitrarily adjusted replacement. Digital machine can be measured by meters length imprinted on the cable surface, and through the manual quick return to zero.



Standards:

Technical Parameters:

S/N	Specific	ation
1	work height:	900-1100mm
2	the highest printing speed:	200m/min
3	wall before and after adjusting the distance:	65mm
4	cable diameter:	10-150mm
5	case inserts groove angle:	110°10'
6	insert angle and number:	10 $^{\circ}$ /1 block, /2 block, 15 $^{\circ}$ 20 $^{\circ}$ /2, 30 $^{\circ}$ /1 block
7	press wheel shaft diameter length:	ф 20 (-0.021 or -0.041) and *80.1 (0.20 or 0.10) m
8	imprint line size range:	Diameter of more than 16mm
9	size:	1470*500*420mm



Meter-measuring Printer

Summary:

The meter-measuring printer is a dedicated equipment for wire and cable industry. As a passive hot-padding equipment and featuring in precision measurement and reliable performance, the YYJ-1 and YYJ-2 meter-measuring printer adopts the hot-padding mode to print words (characters) on the exterior diameter of cables. The YYJ-1 and YYJ-2 meter-measuring printer is the new generation printer to substitute for the ink printer.





Features:

- Precision measurement: The speed ratio between the meter-measuring roller and the word-printing roller is 1:1, which can ensure the meter measurement precision to be within ±0.3%.
- Easy to print: The printer can easily print color and words; the words to be printed are legible, with high adhesion and hard to wear; the printing quality is better than that of the ink printer.
- Electronic control mode: The letter block and the measuring digit of the printer adopts the electronic heating mode, with the temperature control adjustment system equipped; which is easy to adjust, and can control temperature accurately and offer stable printing quality.
- Easy to operate: The printer can be operate

Technical Parameters:

S/N	Spec	ification
1	Operating power	50Hz, 230V, 3-phase cables
2	Main power	230V & 1.1kw for fan and 220V & 0.5kw for heating
3	Temperature control scope's precision	Room temperature ~ 200 °C , (±5 °C)
4	Diameter of applicable cable	10~120mm
5	Measuring scope's precision	0-9999m, ±0.3%
6	Digital display and pre-setting warning length	1~9999m (this function is only available for the YYJ-2 type
7	Height of working center	1000mm, ±60mm (adjustable)
8	Standard meter-measuring speed	< 150m / min
9	Noise of whole equipment (sound pressure level)	85dB(A)
10	Exterior dimension and weight	900×540×1580mm
11	Net weight	238kg

Ink Printing Machine

Standards:

100*20*15mm





Technical Parameters:

S/N	Specification		
1	work height	900-1000mm	
2	the highest printing speed	200m/min	
3	wall before and after adjusting the distance	65mm	
4	cable diameter	10-120mm	
5	wheel size	≤120mm	
6	Weight	30Kg	

Testing Instrument

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Digital Bridge with Bridge Fixture

Summary:

QJ36B - 2 type digital bridge is a new generation Dc resistance test instruments, the update products is Kelvin bridge. It can be manually choose according to different types of cable test current, with the fastest speed according to the test results. Equipped with RS - 232 interface communication with the computer, big screen LCD monitor for the equipment is good man-machine interface, simple and convenient operation, dc resistance test in the work is the preferred equipment.

Characteristics:

- 1. Use 5 LCD display, easy to operate, does not need to match galvanometer, power supply, standard resistance, such as accessories, easy to carry. Read directly, high measurement precision, good stability.
- 2. Measuring range: 0^2 kΩ minimum resolution: 0.01μΩ accuracy: 0.05%
- 3. According to the thermometer to measure temperature, bridge automatically converted to 20 °C resistance standard.
- 4. The user may need to measure the resistivity of 1 meter.
- 5. Bridge plastic chassis, aesthetically pleasing, easy to carry.



Technical Indicators:

Range	Current	Resolution	Range	Error
200μΩ	10A	0.01μΩ	0-199.99uΩ	±(0.4%Rx+0.15%Rm)
$2m\Omega$	10A	0.1μΩ	0-1.9999mΩ	±(0.2%Rx+0.1%Rm)
20mΩ	1A	1μΩ	0-19.999mΩ	±(0.1%Rx+0.05%Rm)
200mΩ	0.5A	10μΩ	0-199.99mΩ	±(0.04%Rx+0.015%Rm)
2Ω	100mA	100μΩ	0-1.9999Ω	±(0.04%Rx+0.015%Rm)
20Ω	100mA	1mΩ	0-19.999Ω	±(0.04%Rx+0.015%Rm)
200Ω	10mA	10mΩ	0-199.99Ω	±(0.04%Rx+0.015%Rm)
2kΩ	1mA	100mΩ	0-1.9999kΩ	±(0.04%Rx+0.015%Rm)

Table 2

1	Power supply	AC220V 50Hz
2	Overall dimensions	420×300×200mm
3	The weight	8kg
4	YN62112-A is applied to the round and Roun	nd wire conductors whose volume is 630mm²
5	YN62112-B is applied to the round and Round wir	e conductors whose volume is less than 1200mm ²



Testing Instrument



Computer Control Servo-type Universal Tester (double columns)

Summary:

This machine uses the advanced machinery, electronic PCI acquisition card and computer technology, which can record the whole test process's test piece's load, variable displacement and through the relationship between the change of time by the form of curve, for studying the materials' nature or manufacturing process quality control, and so on. This machine is mainly used for various materials' tensile, compression, bending, shearing





Standards:

Technical Parameters:

1					
	Testing Force	5KN	10KN	20KN	50KN
2	Testing Relative Error			≤±1%	
3	Displacement Resolution			0.01mm	
4	Testing Force Resolution	0.1N	0.1N	1N	1N
5	Speed(mm/min)	0.1-500	0.1-350	0.1-200	0.1-200
6	Testing Displacement(mm)	600	550	500	500
7	Motor(KW)	0.75	0.75	1.5	1.5
8	Testing Displacement(mm)		60	0	
9	Control System	AC frequency servo control			
10	Display	Digital LCD or Windows XP testing software + computer			
11	Transmission Yoke Plate	High carbon steel,			
12	Transmission Screw	High precision seamless ball screw,			
13	Clip Surface	All the clips are made of hard chromium plating processing.			
14	Guide Rod	Its surface is of high	temperature and hard chro	omium plating processing, ab	ove HRC60 above
15	Speed-reduction Device	Italy's European precision vacuum casting aluminum			
16	Main Bearing	NSK			
17	Power	AC 220V, 50/60Hz, 5A			
18	Computer	Customers' optional provide			

Natural Ventilation Aging Oven with Test Device (three groups)

Summary:

It's used for Wire, cable, rubber and plastic industry as natural ventilation thermal aging test.

Features:

The temperature control adopts digital instrumentation, which is easy for

It's equipped with observation windows, and the operation room is made of stainless steel.

The shell adopts the high quality thin steel, and the surface is after the treatment of spray paint anticorrosion.

The door seals use heat-resistance silicone rubber, which is Healthy and Safety.



Standards:

IEC60227

Technical Parameters:

1	Temperature range	RT~250 °C
2	Temperature fluctuation	±0.5 °C
3	Temperature uniformity	±2℃
4	Heating up time	RT~300 °C , about 40Min
5	Ventilation volumes	8~20
6	Inner dimension	450(L)*500(W)*550(H) mm
7	Overall dimension	870(L)*800(W)*1300(H) mm
8	Inner material	SUS#304 stainless steel
9	Outer material	Stoving varnish
10	Thermal insulation material	80mm high-density rock wool

Test Device (three groups) parameter

1	Weight	1g(1), 2g(1), 5g(1), 10g(1), 20g(1), 50g(1), 100g(1),
2	Max number of specimen testing in the same time	3



High Temperature and Constant Temperature Tank

Summary:

It's widely used in distillation, drying, enrichment and impregnated chemical or biological products, is an ideal testing machine for environmental protection units, scientific research institutions, health and epidemic prevention institutions, electric wire and cables, petroleum, metallurgy, chemical industry, medical treatment, and other units.

Features:

Microcomputer intelligent control system, heating up rapidly, stable temperature, easy for operation. Heating up speed is adjustable, which can control the temperature effectively, making the testing result more ideal.

Can use both water and oil, temperature can reach 300 °C.

LED double windows show the temperature testing value and temperature set value, touch screen making the operation much easier.

Technical Parameters:

1	Volume	15L-200L
2	Temperature Control	RT~98 °C
3	Temperature Fluctuation	±0.1 °C
4	Electric Power	2~6KW
5	Power Supply	220V~240v-50~60HZ
6	Material	Stainless Steel
7	Outside	Electrostatic Painting
8	Inside	Stainless Steel



It's used for gaining and determining cable's capability of preventing the fire from spreading.

Be applied to the Standard GB/T18380.(11-12)-2008, "Cable and optical fiber cable under the condition of the flame burning experiment • single insulated wire and cable vertical flame spreading test".

Single Cable Vertical Burning Tester

Standards:

IEC60227



Technical Parameters:

1	Control box, fume cupboard, and the metal cover are designed as one-piece. Material is stainless steel		
2	Metal cover	1200*300*450mm	
3	Blowtorch	standard power: 1kw	
4	Control mode	Set when the burning time reaches the preset time, the machine stops	
		supplying the fire automatically	
5	Burning device	automatic high pressure ignition	
6	Flow-meter	Air flowmeter: 1~15L/min; Gas flowmeter, 0.1~1L/min	
7	Install a single controlled exhaust fan on the top		
8	Flame testing device	${\mathcal C}$ 0.5, K type imported thermocouple, copper cathode block ${\mathcal C}$ 9mm,	
		10g±0.05g, each one set of temperature and time display device	
9	Overall dimension	600*600*2200mm	
10	Power	AC 220V, 56/60Hz, 2A	
11	Gas	Propane, air (customer self-provided).	

Testing Instrument

Hight Voltage Test System

Summary

1.System Feature:

The testing voltage, current, withstand voltage time are pre-settable. It can be operated automatically and manually.

The voltage can be regulated continuously; the wave form isn't distortion and abnormality.

With zero position function, voltage upper limit, low limit, over-current, over voltage breakdown protective function.

The Alarm has sound and light.

When the test is over, it can return to zero automatically.

After withstand high voltage test, it can be discharged apace.

It can be connected with internet, and transmit all the data to one computer.

2.System Component and Function

S/N	Specific	ation	Qty (Set)
1	Test transformer	YD-20kV/5kV/50kVA	1
2	Digital control desk	JTKZ-1	1
3	Contact type regulator	TDGZ-50Kva	1
4	Capacitance divider	CVD—20kV/100pF	1

3.Technical Parameters

S/N	Specification		
1	Capacity:	50kVA	
2	Input voltage:	415V±10%	
3	Output voltage:	5kV 20kV	
4	Output Current:	10.0A 2.5A	
5	Voltage accuracy:	1.0%	
6	Ambient Temperature:	550 °C (for operating)	
		- 1050 °C (for storage)	
7	Controls and measuring:	+10+35℃	
8	Relative Humidity:	≤90% (No Condensation)	
9	Altitude:	≤1500 m	
10	Frequency:	50-60Hz	
11	Withstand voltage time:	1s~99 hours	
12	Environment:	Indoor (Stationary)	
13	Working time:	continuous 30min, 8 times 1 day	

Control Panel Outline and Dimension

long 800mm*width 600mm*height 1200mm weight: 60 kg (1)

Contact Type Regulator

	Rated Capacity:	TDGZ-50kVA	
	Input Voltage:	415V	
Parameters	Output Voltage:	0—420V	
	Output Current:	119.0A	
	700mm×800n	nm×1400mm	
Dimensions	Length with bus	hing is 980mm	
Differsions	Weight:	420kg	
	Cooling:	N	
	Change the speed in step less, Fast/s	low also can be regulated smoothly	
Features:	Exact sine wa	ve in output	
reduces.	Exact ze	ro start	
	Operation: long	time operation	

Testing Transformer Y	D- 50kVA/5kV /20kV			
	Rated Capacity:	5	50kVA	
	Input Voltage:	0	-400V	
Parameters	Output Voltage:	5kV	20kV	
	Output Current:	10.0A	2.5A	
	Distortion:	<	<8.0%	
	Operation:	continuous 30	Omin, 1 day 8 times	
	650mm	(L) ×560mm (W) ×780mm (H)		
Dimensions		ength with bushing is 980mm		
Differsions	Weight:	5	590 kg	
	Cooling:	(ONAN	a the
				0 0

CVD-20KV HV Divider

Voltage:	20kV	
Measuring:	the voltage can be indicated on the control panel	
Accuracy:	AC: 1.0 class	
Capacitance:	100pF	
Appearance of Divider	See picture	
Dimensions:	base 500mm×W500mm	
	Voltage divider: ϕ 120mm×H600mm	
Weight:	9kg	
	Measuring: Accuracy: Capacitance: Appearance of Divider Dimensions:	