

Production & Test Equipment

Production Equipment List (Core workshop)

No.	Ichnography No.	Equipment name	Type and specification	Qty
1	101	Automatic step-lap core lamination		1
2	102	KPD-40-1 type Electric plane vehicle		
3	103	Core turntable	Maximum carrying capacity: 35t	1
4	104	Core turntable	Maximum carrying capacity: 120t	1
5	105	Electric double girder crane	Gn=32/5t, S=16.5m Lifting height: 10m	1
6	106	Electric single girder crane	Gn=5t, S=16.5m JC=25% Lifting height: 10m	1

Production Equipment List (Winding workshop)

No.	Ichnography No.	Equipment name	Type and specification	Qty
1	201	Coil vacuum drying system Include: Horizontal vacuum tank Condenser and vacuum system		1
2	202,203	Horizontal winding machine RX02-30014		4
3	204,205	Vertical winding machine		4
4	206	Coil uprising device		1
5	207	High-frequency soldering machine	Capacity:40kVA	1
6	208,209	Butt welding machine	Capacity:25kVA	1
7	210	Coil assembly bracket		1
8	211	Coil constant pressing device		1
9	212	Electric double girder crane	Gn=32/5t, S=16.6m Lifting height: 10m	1

No.	Ichonography No.	Equipment name	Type and specification	Qty
10	213	Electric double girder crane	Gn=10t, S=16.6m Lifting height: 10m	1

Production Equipment List

(General assembly workshop)

No.	Ichonography No.	Equipment name	Type and specification	Qty
1	301	Vapor phase drying equipment	400kW	1set
		Include: Horizontal vacuum tank, vacuum system		
2	302,303	The active body assembling bracket		2
3	304	General assembling bracket		1
4	305	Vacuum oil filtration machine ZJA6KY	The volume of flow: 100L/min	1
5	306	Oil-washing groove		1
6	307	Suspended Beam	160t	1
7	308	Three-roll trundle trigger	Roll length: 3200mm	1
8	309	Leads bundle machine	Bundle length 13m	1
9	310	Movable vacuum machine set		1
10	311,312	Horizontal overhead oil purification tank	Cubage:25m ³	2
11	313	Horizontal overhead oil purification tank	Cubage:60m ³	1
12	314	Trial-leakage oil tube		1
13	315,316	Gear oil pump 2CY-38/2.8-1	Flow volume:633.3L/min	2
14	317	Gear oil pump 2CY-3/25	Flow volume:50L/min	1
15	318	Copper welding machine	Capacity:40kVA,380V/3~10V	1
16	319	Copper welding machine	Capacity:75kVA,380V/3~10V	1

No.	Ichnography No.	Equipment name	Type and specification	Qty
17	320	Cold pressure welding	Fluid drive	1
18	321	Electric double girder crane	Gn=160/32t, S=28m Lifting height: 18/20m	1
19	322	Electric double girder crane	Gn=50/10t, S=26.5m Lifting height: 16/18m	1
20	323	Electric double girder crane	Gn=20/5t, S=22.5m Lifting height: 12/14m	1

Equipment list of filter and storeroom and other

No.	Ichnography No.	Equipment name	Type and specification	Qty
1	1	Dissolvent pump	The volume of flow: 66.7L/min	1
2	2	Gear pump	The volume of flow: 633.3L/min	
3	3, 4	Pressure oil filter LY-150	Filtration capacity: 150L/min	2
4	5, 6	Vertical oil tube	Cubage: 100m ³	2
5	7, 8	Vertical oil tube	Cubage: 150m ³	2
6	9	Dissolvent tube	Cubage: 15m ³	1
7	10	Gear pump 2CY-18/3.6-1	The volume of flow: 300L/min	1
8		Digital control bender	500t	1
9		Equivalent ion cutting machine	6000*12500mm	1
10		Hovercraft	240t	1

Test Equipment List

No.	Ichnography No.	Equipment name	Type and specification	Qty
1		Electric Generator set		1set
	1-1	Synchronous Generator	7500kVA, 3 ϕ , 6.3kV, $\cos\phi=0.1$, 50Hz	1
	1-2	Synchronous Electromotor	1250kW, 3 ϕ , 10kV, 50Hz	1

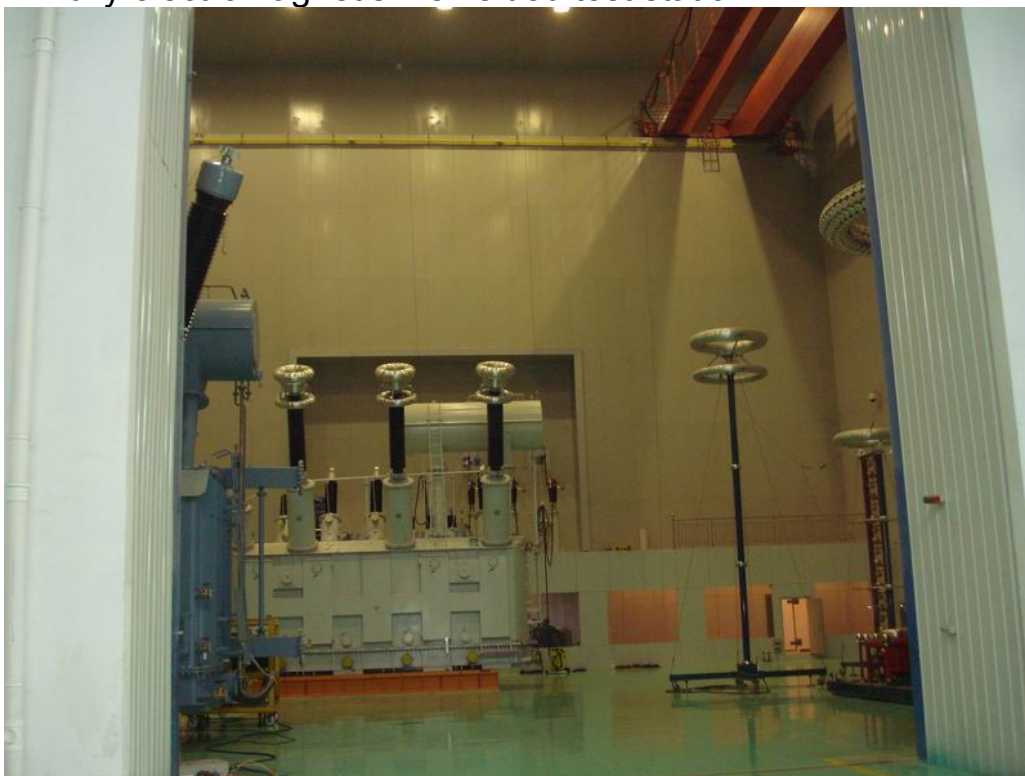
No.	Ichonography No.	Equipment name	Type and specification	Qty
	1-3	Wire Asynchronous Electromotor	240kW, 3 ϕ , 380V, 50Hz	1
	1-4	Liquid Rheostat Cabinet	Concurrently 240kW Generator Starting Cabinet	1
	1-5	Degaussing Screen		1
	1-6	Excitation Synthesis Controller of synchromotor	Crystal Tube Type with0~10mA Excitation Synthesis Adjuster	1
	1-7	Excitation Synthesis Controller of Electromotor	Crystal Tube Type with0~10mA Excitation Synthesis Adjuster	1
2		Excitation synthesis controller set	Include:	1set
	2-1	Asynchronous Electromotor	45kW, 3 ϕ ,6.3kV, 200Hz	1
	2-2	DC Electric Generator	35kW, 95V	1
3		Electric Generator set	Include:	1set
	3-1	Synchronous Generator	2000kVA, 3 ϕ ,6.3kV, 200Hz	1
	3-2	Synchronous Electromotor	680kW, 3 ϕ , 10kV, 50Hz	1
	3-3	Excitation Synthesis Controller of synchromotor	Crystal Tube Type with0~10mA Excitation Synthesis Adjuster	1
	3-4	Excitation Synthesis Controller of electromotor	Crystal Tube Type	1
4		Electric Generator set	Include:	
	4-1	Synchronous Generator	2000/1000kVA, 3 ϕ , 6.3/3.15kV, 100/50Hz	1
	4-2	Synchronous Electromotor	500/250kW, 3 ϕ , 50Hz, 380V	1
	4-3	Excitation Synthesis Controller of synchromotor	Crystal Tube Type with0~10mA Excitation Synthesis Adjuster	1
	4-4	Excitation Synthesis Controller of Electromotor	Crystal Tube Type	1
	4-5	Generator console		1
5	5	Step-down voltage starting cabinet	JJ1K-250/380-2	1
6		Thin oil station	XYZ-40G	1
	6-1	Station body		1
	6-2	Electric control box		1

No.	Ichonography No.	Equipment name	Type and specification	Qty
	6-3	Instrument panel		1
7	7-1~14	HV switchgear cubicle	XGN2-10	14
8	8-1~9	LV switchboard	GGD	9
9		Impulse voltage test equipment	Include:	1set
	9-1	Impulse voltage generator	1800kV	1
	9-2	Chopped wave advice	1600kV	1
	9-3	Voltage divider	1800kV	1
	9-4	Console		1
	9-5	Power supply device		1
	9-6	Impulse digital measurement system		1
10		Power frequency HV test equipment	Include:	1
	10-1	Trial transformer	0.4/300kV single phase, 50Hz, 300kVA overload:1.5times, 15mins	
	10-2	Regulator	Single phase,50Hz, 315kVA, 0.38/0~0.42kV	1
	10-3	Console		1
	10-4	Protection resistant		1
	10-5	Voltage divider	300kV/150kV	1
	10-6	Compensation Reactor	1 ϕ , 50Hz, 3*100kVAr	1
11		Power frequency HV test equipment	Include:	1set
	11-1	Trial transformer		1
	11-2	Regulator	Single phase,50Hz, 100kVA 0.38/0~0.42kV	1
	11-3	Console		1
12	12	Power frequency HV test device	0.22/5kV single phase, 50Hz, 3kVA	1
13	13	Mid-Trial transformer	3 phase 8000kVA, 50/100/200Hz $2*3/ ((2*11)^{+7*2.5} - 4*2.5)$ kV partial discharge can be less than 40pc	
14	14	Support transformer	Single phase, 100/200Hz 6.3/40-60-80-100kV, 1000kVA	1
15	15	Compensation Reactor	1 ϕ /3 ϕ , 100/200Hz 3*400kVAr, 6.3kV	1

No.	Ichnography No.	Equipment name	Type and specification	Qty
16	16	Ball gap	Φ 500mm movable	1
17	17	Voltage Divider	100-250-500kV	1
18	18-1~3	Accurate Current transformer	5~10~20~30~50~100~200~400~600	3
			1000/5A, 1 Φ, 10VA, 0.1 class	
			50Hz, 66kV	
			partial discharge can be less than 10pc	
19	19-1~3	Accurate Voltage transformer	3~6~10~20~40~66/√3/0.1/√3kV	3
			1 Φ, 5VA, 0.1class, 50Hz,	
			partial discharge can be less than 10pc	
20	20	Compensation Reactor Set	Total capacity 90000kVAr, 11~66kV	
21	21	Lift device	Ascendant Height: 1.5m carrying capacity: 0.5T	1
22	22	Test desk		1
23	23	Console		1
24	24	HV isolate switch	GN19-10/400	1
25	25	HV isolate switch	GW5-1250/110D motor-driven operation	1
26	26-1~3	Wall Bushing	110kV, 1250A horizontal	3
27	27-1~3	Wall Bushing	110kV, 630A vertical	3
28		ratio testing instrument by micro-computer	2B3 type, 0.1class, digital type with printer	1
29		HV electric bridge	QS39 type	1
30		Oil withstand voltage test equipment	80kV	1
31		Partial discharge testing instrument	JFD-2B type	1
32		DC resistant testing instrument	JD2520, 2540	1
33		Harmonic Analysis Instrument	GXF-2	1
34		Accurate Sound Level Meter	Attach Piston Generator	1
35		Power Analysis Instrument	D6133T	1
36		Insulation resistant testing meter	2500V, Resolution 10 ⁴ mΩ 500V, Resolution 10 ⁵ mΩ	
37		Other instrument		1set
38	28	Signal cabinet		1

No.	Ichnography No.	Equipment name	Type and specification	Qty
39	29	DC power supply	GKA21-200/220	1
40	30	Switchboard	XF-10-11	
41	31	Switch switchgear	110kV, 1250A, 1 on 1 off AC220V include:1,2XK limit switch	3
42	32	Alarm lamp	JCD-633, Barrier lamp AC220V, 60W	5
43	33,34	Alarm bell	UC4-200 AC220V, ϕ 75	2
44		Power frequency testing transformer	YDTW-200/200	1
45		Intermediate frequency test reactor	YDK-6*315/6.3	1
46		Precision Voltage Transformer	HJ12-110Y1/01	1
47		Precision Current Transformer	HL28-110Y7.5/01	1
48		Computer controlled test equipment transformer	SYBS-2	1 set
49		Impulse voltage generator test equipment	CDYL-1000KV/75KJ	1 set
50		Power Analyzer	N5K3PP641	1
51		Power frequency generator and associated control equipment	7500 kVA/50Hz/60Hz	1 set
52		Intermediate frequency generator and associated control equipment	2000 kVA/200Hz	1 set
53		Capacitor Test Equipment for Transformer Test	TBB 114.3/11-75600	1 set
54		Capacitor Test Equipment for Transformer Test	TBB 26.4/3.81-14100	1 set

1. Fully electromagnetism shielded test station:



2. Frequency test transformer YDTW-600/300



3. Lightning impulse test equipment 2400kV/240kJ



4. Computer controlled test equipment transformer



5. Intermediate frequency test reactor

