



JIN XIU
ELECTRIC



JIANGSU JINXIU ELECTRIC

Jiangsu Jin Xiu High Voltage Electric Co., Ltd

COMPANY PROFILE

Established in 2000, Jiangsu Jin Xiu High Voltage Electric Co., Ltd is a new high-tech company which is specialized in high-voltage test equipment. We have been involved in research and development of key electrical projects in national and international market for many times. With a total investment of about 3 million USD, our factory covers an area of 22 thousand square meters. We have 120 professional workers and more than ten professors and senior engineers.

We have passed GB/T19001~2008、ISO9001~2008 Quality management system standards. Our products are in full line with IEC standard and national standards.

We are specialized in manufacturing different kinds of HV test equipment, such as DC HV generators, impulse voltage generators, impulse current generators, power frequency PD free AC test systems, AC resonant systems, cable testing systems, etc. We also provide test turnkey solutions for HV test labs.

We have supplied HV test equipment to the domestic and international customers, such as Siemens, ABB, Toshiba, Alstom, Areva, TBEA, Chint, Tianwei Group, XD group, etc. Our customers benefit a lot from our excellent services and high quality products. We are growing to be one of the largest manufacturers of HV test equipment in China.

MAIN CUSTOMERS

SIEMENS

TOSHIBA

ABB

ALSTOM

AREVA



天威集团
TIANWEI GROUP

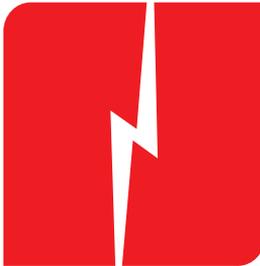
CHINT 正泰

TBEA
特变电工



远东控股







XZL Series Variable Inductance AC Resonant Test Systems

Application

XZL series variable inductance AC resonant test systems are mainly used for AC withstand voltage test and partial discharge test of capacitive test objects.

Their main applications are as below:

- Cable and cable accessories testing
- Applied voltage tests for transformer testing
- Current and voltage transformer testing (CTs and VTs)
- Capacitor testing
- Generator and motor testing
- GIS and accessories testing

There are two types: steel tank type and modular insulating cylinder type.

Benefits

- Compact design with light weight
- High quality factor/High Q value
- Lowest partial discharge value
- No transient over voltage during flashover of the test object
- Low power demand due to high quality factor, the input power demand is just 1/Q of the output power capacity



1600kV/5A AC Resonant System



600kV/20A AC Resonant System



XZL-7000kVA/350 kV /200 kV /100kV
AC Reactor



XZL-2500kVA/250kV/100kV/80kV
AC Reactor

XZF Series Variable Frequency AC Resonant Test Systems

Application

XZF series variable frequency AC resonant test systems are mainly used for AC withstand voltage test of large capacitive test objects on site. The test objects include SF6 circuit breakers, GIS, power cables, etc.

With suitable tuning capacitor, the frequency range can be from 20Hz to 300Hz. The AC resonant test systems are applicable for partial discharge test of instrument transformers, coupling capacitors and metal oxide surge arresters with rated voltage under 1000kV.

Benefits

- Compact design with light weight
- High quality factor/High Q value
- Variable frequency range from 20Hz to 300Hz
- Low power demand due to high quality factor, the input power demand is just 1/Q of the output power capacity
- No transient over voltage during flashover of the test object
- Lowest partial discharge value



XZF-800kVA/2*400kV



XZF-400kVA/2*400kV



XZF-600 kVA/3*400kV



JXCJ Series Impulse Voltage Test Systems

Application

JXCJ series impulse voltage test systems can generate impulse voltages simulating lightning impulse ($1.2 \pm 30\%/50 \pm 20\% \mu s$), chopped lightning impulse, switching impulse ($250 \pm 10\%/2500 \pm 10\% \mu s$) and steep front waveforms. The test system can carry out lightning impulse test to MV and HV electrical apparatus, such as power transformers, power cables, insulators, GIS, circuit breakers, switchgears, etc.

Benefits

- With the possible lowest internal inductance
- With highest output efficiency, the efficiency of LI $\geq 90\%$, the efficiency of SI $\geq 80\%$.
- Compact design, beautiful appearance
- Automatic earthing device for personnel and equipment safety
- Automatic control and measurement system with optical fibre



2400kV/240kJ Impulse Voltage Generator



1600kV/160kJ



400kV 20kJ



1400kV/280kJ (for outdoor)

Impulse Current Test Systems

Application

The impulse current test systems can generate different impulse current waveforms, such as $4/10 \mu s$, $8/20 \mu s$, $10/350 \mu s$, $30/80 \mu s$, 2 ms long duration, etc. The test system can test lightning protection devices and components, such as surge arresters, SPDs, lightning rods, etc.

Benefits

- Compact design with possible lowest volume
- Equipped with various wave shaping resistors, easy to replace the resistors
- Automatic control and measurement system with optical fibre

Impulse Waveform	Current Peak
$8/20 \mu s$	$200kA \pm 5\%$
$10/350 \mu s$	$60kA \pm 5\%$
$1/20 \mu s$	$20kA \pm 5\%$
$4/10 \mu s$	$100kA \pm 5\%$
$1/20 \mu s$	$20kA \pm 5\%$
$30/80 \mu s$	$2kA \pm 5\%$
$18/40 \mu s$	$20kA \pm 5\%$



120kA 8/20μs & 25kA 10/350μs



200kA 8/20μs & 60kA 10/350μs



100kA 4/10μs

AC Voltage Test Transformers

Application

AC voltage test transformers are applicable for the AC voltage withstand test and partial discharge test of different insulation materials and electrical apparatus. They are widely used in the electrical apparatus manufacturers, electric power department, research institute and universities.

Benefits

- Lowest partial discharge value
- Cylinder insulation type
- Lower impedance voltage
- Automatic control and measurement system (computerised) with high anti-interference ability



800kV/1A AC Test Transformer



300kV/1A AC Test Transformer



500kV/0.5A AC Test Transformer



150kV 1A AC Test Transformer



300kV/0.1A AC/DC Test Set



150kV/0.1A AC/DC Test Set

HV DC Generator

Application

The HV DC generators can do the dielectric test to test objects with large capacity, such as power cables, power capacitors, generator sets, etc. It can measure the leakage current of insulation materials and HV electrical apparatus. It is also used as the DC charging unit of impulse voltage generator, impulse current generator or oscillation circuit device.

Benefits

- With lowest voltage drop and large output current
- With lowest ripple factor
- Rated voltage from 100kV to 2000kV
- High automation, manual and automatic control and automatic polarity change.



1800kV/200mA HV DC Generator



1200kV/100mA HV DC Generator

Corona Ring & Shielding Ring



Measurement And Control System



Console for AC test transformer



Console for 220kV transformer test lab



Console for Impulse Voltage Generator



Automatic Measurement System