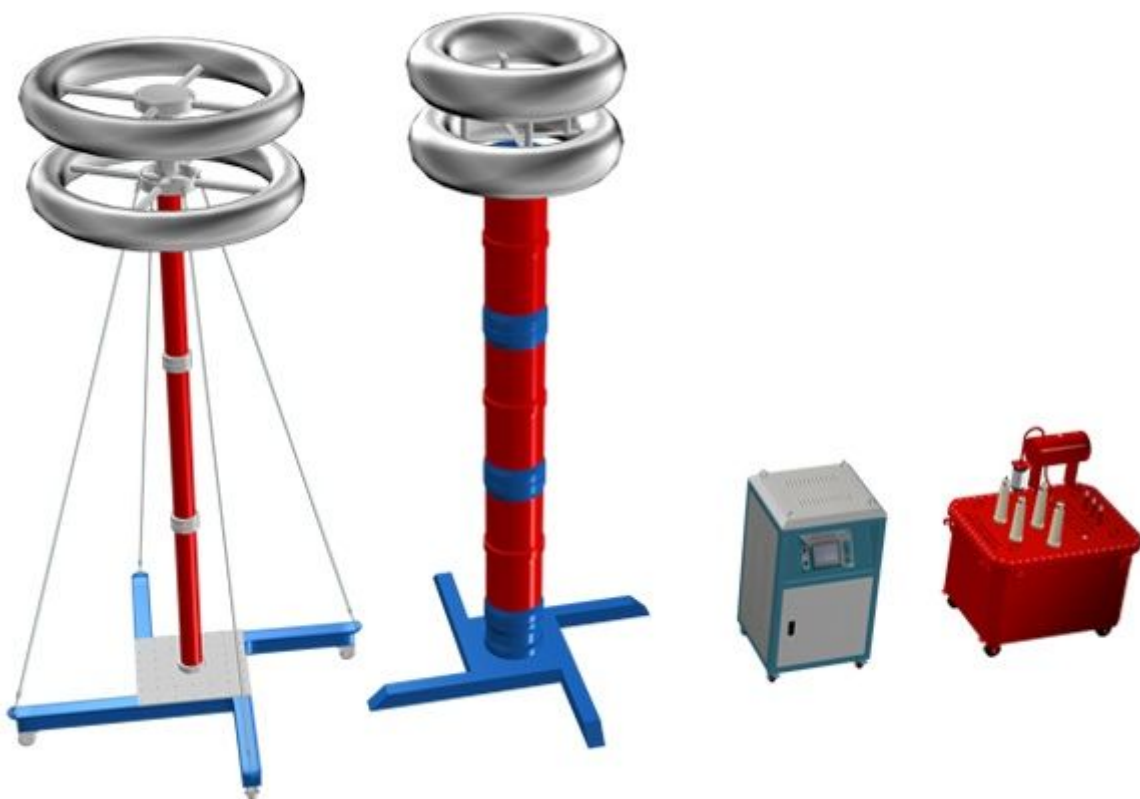


GDTF-4500/750 Variable Frequency AC Resonant Test System



Test Object and Requirement

The system is specially designed for AC withstand voltage test for below items, with below specifications and requirements.

Test Object	Specifications	Test Frequency	Test Voltage	Test Time
GIS, CT/PT, switch	400kV	30-300Hz	$\leq 750\text{kV}$	1min
GIS, CT/PT, switch	245kV	30-300Hz	$\leq 500\text{kV}$	1min

Working Environment

- Environmental temperature: -10°C to 50°C
- Related humidity: $\leq 90\%$ RH
- Altitude: $\leq 3\text{km}$

Technical Data

- Rated capacity: 4500kVA
- Input power supply: Three phase 380V, 50Hz
- Rated voltage: 500, 750kV
- Rated current: 9A, 6A
- Working Frequency: 30-300Hz
- Output waveform: sine wave
- Waveform distortion rate: $\leq 1\%$
- Working time: constant working of 5mins under rated load. Working of 1min, under 1.1 times of rated voltage
- Temperature rise: $\leq 65\text{K}$ after constant working of 5mins under rated load
- Quality factor: $Q \geq 30$ ($f=45\text{Hz}$)
- Protective function: Over-current, over-voltage and flash-over protections for test object.
- Accuracy: 1.5% (RMS)