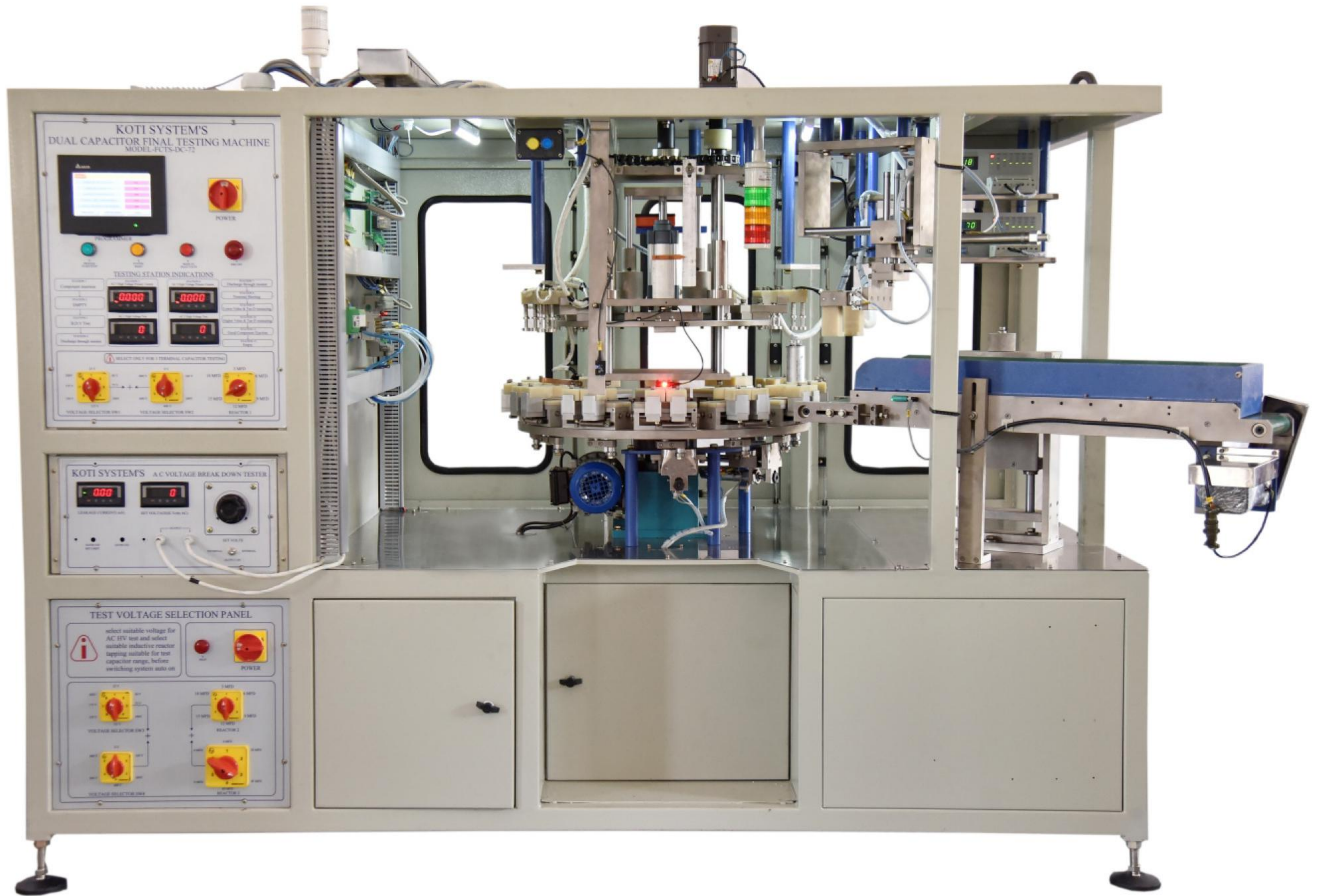


# Dual Capacitor Testing System

Model: DFCTS-10/100



**System structure:** 12 stations component holders with individual Electrical contacts. BDV test between body and terminal up to 5KV AC. Ac power supply with switch selectable, different voltage up to 1000V. Capacitance meter 1 for measuring lower value. Capacitance meter 2 for measuring higher value. Un loading robot for good component.

## Operation detail of 12 station index details

- Station 1:- Manual loading of testing component / Un loading of reject component.
- Station 2:- No operation
- Station 3:- BDV test between terminal and body.
- Station 4:- Discharge.
- Station 5:- AC Ht test between terminals of lower value.
- Station 6:- AC Ht test between terminals of higher value.
- Station 7:- Discharge.
- Station 8:- Shorting terminals.
- Station 9:- Value measurement between terminals of lower value.
- Station 10:- Value measurement between terminals of higher value.
- Station 11:- Unloading by robot on to conveyor.
- Station 12:- No operation

## System functions:

AC HT source 1: up to 1000V switch selectable with resonant circuit, Suitable for maximum 10 Mfd.  
Voltage selection.  
Selector switch 1:-25, 50, 75, 100, 125, 150, 175, 200 Volts  
Selector switch 2:-100, 200, 400, 600, 800 Volts  
Inductive reactor tapping selection  
Selector switch: - 3, 6, 9, 12, 15 and 18 Mfd

AC HT source 2: up to 1000V switch selectable with resonant circuit, Suitable for maximum 75 Mfd.  
Voltage selection.  
Selector switch 1:-25, 50, 75, 100, 125, 150, 175, 200 Volts  
Selector switch 2:-100, 200, 400, 600, 800 Volts  
Inductive reactor tapping selection  
Selector switch 1:-3, 6, 9, 12, 15 and 18 Mfd  
Selector switch 2:-20, 40, 60 and 80 Mfd

Capacitance Meter & : Tongui chaina make.  
Dissipation factor meter

Note:-Value and tan-d is measured at 1 volt, 1KHz supply, capacitance range 0.1-300mfd accuracy

## **Testing Capacitor specification**

Height : 130mm can Suitable for Terminal both U & L type  
Diameter : Ø35 - 60 mm  
Value : 1 Mfd-10 Mfd for lower value  
: 1-75 Mfd for higher value  
Production: : 10-12 pieces/min.

## **Power requirements**

For controls : 1 ph, 230V±10V, 50Hz, 2kw (online ups recommended)

Note: On line UPS is recommended, not supplied along with machine

For AC HT source : 2ph, 415V±5% 50 Hz, and 8kw,

Note: Balancing inductive reactors suitable for 100 mfd capacitor is supplied with power supply

Compressed Air : Consumption 3Cfm at 6 bars level.

Note: - Dry and filtered air must be supplied.