



# **TWM, WM Series**



## Basket Liner Testing Equipment

### Benefits:

- D Automatic testing of aerial device basket liners
- D Handles TECO & Hi-Ranger double bucket liners
- D Allows Testing to ANSI A92.2, CSA and IEC Standards

#### **Description:**

The TWM Series is The VON Corporation's fully automated bucket liner/basket test solution. Units allow testing of all standard and double bucket liners. Test voltage and arc detection are all controlled electronically. Tests are timed and an audible alarm sounds failures or test complete, with bright flashing colored lights signaling which position failed or test complete.

FURTHER INFORMATION PLEASE CONTACT: **THE VON CORPORATION:** PO Box 110096, 1038 Lomb Ave SW, Birmingham, AL 35211 USA Tel. +1 (205) 788-2437 | Fax. +1 (205) 780-4015 | Email. voncorp@voncorp.com | Web. voncorp.com

#### Capacity:

The TWM or WM machine will automatically test bucket liners/ baskets at voltages of 40,000 volts A.C. or 100kV DC. Two-position machines include an automatic transfer switch to allow alternate loading of the two test bays. Tests can be made in accordance with the latest ANSI A92.2 and comparable international standards.

#### Voltage:

The standard input voltage is 240 volts, 50/60 hertz A.C. single phase. Other input voltages can be accommodated if specified in advance. AC units have a 0-50,000 volts AC supply. DC units have a 0-100kV supply. The test voltage is measured by means of a resistive divider connected directly across the high voltage circuit. An LCD displays the output voltage both digitally and with a bar graph. The test voltage is raised and lowered with a special solid state device at a rate of approximately 1 kilovolt A.C. or 3 kilovolt D.C. a second.

#### Current:

The current of each bucket is continuously monitored by the microprocessor control system. The active current leakage as well as the peak current is displayed on an LCD display both digitally and with a bar graph.

#### Ventilation:

Exhaust fans are provided in the rear of each testing cabinet to remove ozone.

#### **Enclosure:**

The enclosure can be moved with a forklift or lifted with a crane via the eyebolts located at the top of the enclosure. An interlocked front access door is provided in the power supply and control area.

#### Controls:

A menu-based system provides all controls from the front control panel. All standard tests come predefined for the user. These predefined tests set all the machine's settings and automatically run the test on the specified class of glove or sleeve. There are also 4 userdefined test modes available, as well as a mode for manual control of the entire system.

#### Indicators:

All LED light indicators operate in a failsafe mode by remaining lit at all times. The lights flash when indicating. A red "HIGH VOLTAGE FAILURE" light is provided for each position. A red "FAIL" light and a green "TEST COMPLETE" light are provided on the control panel. The LCD current display shows the current leakage current, as well as saving the peak current. After a failure, the LCD display also indicates which gloves failed.

#### **Operation:**

The operating cycle begins after the operator selects the test type from the menu, which automatically adjusts the test time, voltage, current limit, and exhaust fan speed with a single setting. If the type is not changed from the last test, then no menu selection is required. Next, the items to be tested are mounted in the machine. Then the operator simply pushes the "START" button.

The high voltage cycle consists of raising the test voltage to the set value, automatic timing of the test duration, automatic flashing lights for failed buckets, audible indication of failed goods, and the lowering of the test voltage. At the end of all tests without a high voltage failure, a green "TEST COMPLETE" light flashes and a pulsating audible signal sounds.

FOR FURTHER INFORMATION PLEASE CONTACT: THE VON CORPORATION: PO Box 110096, 1038 Lomb Ave SW, Birmingham, AL 35211 USA Tel. +1 (205) 788-2437 | Fax. +1 (205) 780-4015 | Email. voncorp@voncorp.com | Web. voncorp.com