

# AT-706™

## MIL-DTL-81706 / MIL-DTL-5541 Contact Resistance Test Machine



### In-House Contact Resistance Testing for Chromated Aluminum Metal Finishers

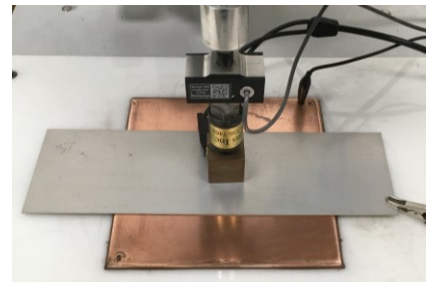
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## AT-706™ Contact Resistance Test Machine

The Assured Testing Equipment AT706™ updates the original decades-old Contact Resistance test apparatus specified in MIL-DTL-81706 and MIL-DTL-5541 for Class 3 low-resistance chromated aluminum panels and enables metal finishers to measure Contact Resistance for faster results and improved test uniformity and process control.

### Features:

- Compliant with MIL-DTL-81706 §4.5.5, as referenced in MIL-DTL-5541 §6.1.2.1
- Pneumatic cylinder replaces springs and hydraulic jack of original decades-old design, provides uniform electrode clamping and accurate direct digital readout of applied force on test panel
- ~75 psig air pressure yields the required 200 psi load on the test panel between the copper electrodes
- High duty rate pneumatic solenoid valve for long life
- Precision load cell provides accurate load measurement
- Microprocessor control takes load cell force input and feeds the signal to the digital force display
- Dual operator controls require two buttons to be pushed using both hands for safety
- Contact resistance is directly read from the Simpson 444 four-wire microhmeter with built-in Kelvin resistance bridge
- Backed by Assured Testing Equipment Warranty



### Product Specifications:

Applied Force (Pressure)	200 lbF (200 psi)
Dimensions	36" x 42"
Operating Voltage, Amperage:	115VAC, 5 Amps
Air Pressure, min	80 psig
Test Specimens	3" x 10" panel

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Specifications subject to change without notice.