

Tek Marshal: Internet Retort Diagnostics

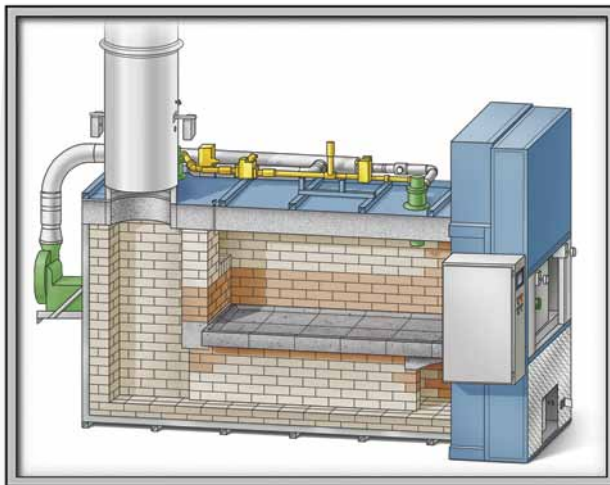
from **Cremation Systems**

Tek Marshal™ is the first internet retort diagnostic product to identify blown fuses, tripped relays, and dirty smoke meters without a service tech visiting your crematorium.

Tek Marshal reduces:

- Retort downtime
- Expensive service calls
- \$150/hr technician
- Travel per diem
- Lost business

Improves crematory operations and earnings



How it works

1. Call Cremation Systems on the telephone.
2. Cremation Systems connects your retort via the Internet.
3. Cremation Systems runs Tek Marshal diagnostics and identifies the retort problem.
4. If the spare fuse, scanner, or thermocouple is available, the problem can be solved quickly and easily.



Cremation Systems offers the only crematorium monitoring technology available.



Fire Marshal™ comes standard on all CFS-2300 cremation chambers.



Cremation Systems™

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Tek Marshal™ self-diagnosis includes:

- Fusing for PLC input is good
 - Fusing for PLC output is good
 - Open thermocouples
 - Door up contactor functional
 - Functionality of the door proximity switches
 - Actuators are functional
 - Test all relays for proper function
 - Test afterburner and main burner flame signal strength from low fire to high fire and back down. This test will make sure the burner is above the necessary 1.5 volts at all points of the ramp. Failure could be either a dirty UV scanner or the combustion needs to be tuned.
 - Smoke detector is functional (or could need calibration)
 - Blower motor starter is functional
 - Blower overloads are not tripped
 - Low air pressure switch is functional
- Software updates for the **PLC** (Programmable Logic Controller) & **HMI** (Human Machine Interface)

