

Field Evaluation Services Newsletter

**TOP SAFETY
RECALLS**

**ELECTRICAL
AND
WORKPLACE
INCIDENTS**

**CES
REPORT**

**CUTTING
EDGE
TECHNOLOGY
NEWS**

**MEDICAL
EQUIPMENT
NEWS**

January 2016



TÜVRheinland®



FIELD EVALUATION OF MEDICAL EQUIPMENT

by Robert Stickels



Field Evaluation projects range from simple electrical devices to complex electrical systems. Medical equipment evaluation and testing is a specialty area requiring special training and test equipment. For medical devices in a patient vicinity Leakage Current testing is required along with the other non-destructive testing usually associated with Field Evaluations. For equipment that comes into direct contact with the patient, Leakage Current

test results are subject to special requirements. When medical equipment is mentioned, we immediately think of equipment we see in hospitals and clinics, such as blood pressure monitors or ECG machines. But medical equipment also includes exam tables, dental chairs and x-ray viewers. Doctor's offices also use medical equipment that should be certified to UL60601 or CSA 60601 for US and Canada, however these offices are often missed with a review of noncertified electrical equipment. OSHA requirements for the workplace also require all electrical equipment to be Listed or labeled – this includes Laboratory equipment – yet often it is overlooked.

Recently many Healthcare facilities have begun requiring specialized testing for installed systems in surgical suites, and TÜV Rheinland is one of the few testing laboratories experienced in this area. Contact our experts for more information on all medical equipment and medical facility testing.

Medical Equipment News


Wearable Medical Tech for Rising Geriatric Population Worldwide

9 Medical Technologies Poised to Explode in 2016

Anesthesia Workstation Faulty Power Switch May Cause Device Malfunction



Top Product Safety Recalls

-  [LED String Fairy Lights](#)
-  [Why Hoverboards are catching fire](#)
-  [Casablanca Recalls Ceiling Fans](#)
-  [S.R. Smith Recalls Pool Lifts](#)
-  [Carrier Recalls Packaged Terminal Air Conditioners, Heat Pumps](#)
-  [Breville Recalls Pressure Cookers](#)
-  [John Deere Recalls Zero Turn Lawn Mowers](#)
-  [Lithonia Lighting Recalls Light Fixtures](#)
-  [Expanded Recall: All seasonal lights made by Taizhou Hongpeng Colour Lanterns Co., Ltd. or Ningbo EGO International Co. Ltd.](#)

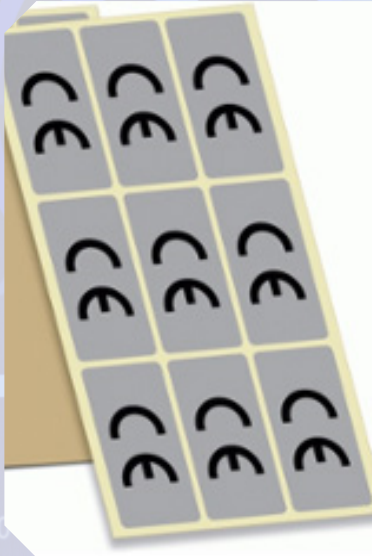
 [Walmart Recalls Rival Griddles](#)

 **Fire/Burn Hazard**

 **Shock Hazard**

 **Fall Hazard**

 **Injury Hazard**



WHY MANUFACTURERS LIE ABOUT CE MARKING

"CE Marking" is required by law for products sold in European Union countries, but not accepted by OSHA and Inspectors in the US and Canada. The most obvious way to recognize a CE marked electrical product is to see the symbol on or near the nameplate. This symbol is not subject to copyright, and can be used by anyone.

[READ THE LATEST AT OUR BLOG](#)



- Top tech products revealed at CES 2016
- Meet this year's weird, wonderful and worst tech
- Gadget scans your food to reveal its nutritional value
- The possibilities and dangers of a connected world
- Introducing the supersized drone that you can ride

ELECTRICAL AND WORKPLACE INCIDENTS

Boaz Al man electrocuted in work accident in Arab

Construction worker's Electrocutation death in East Austin ruled accidental

Electrical explosion causes 2nd day of power outage

Electrical fire closes Arizona bowling alley, Electrician sent to hospital

Tesla Model S Catches Fire at Supercharger Station in Norway

DWP workers injured by electrical explosion at LA Museum of Art

Man Electrocuted in an Elevator Machine Room at Wells Fargo Center

SUV Causes Explosion near Senior living facility

RESOURCE LINKS



TÜVRheinland®
ACCREDITATIONS

OSHA
ACCREDITATION



SCC
ACCREDITATION



29CFR1910.303A
SUBPART S
ELECTRICAL

OSHA/US DOL BULLETIN:
CERTIFICATION OF
WORKPLACE PRODUCTS
BY NATIONALLY
RECOGNIZED TESTING
LABS

OSHA:
INDUSTRIAL
MACHINERY
IS ELECTRICAL
EQUIPMENT

FEDERAL LAWS FOR THE WORKPLACE

OSHA: ALL
EQUIPMENT MUST BE
NRTL APPROVED

NRTL
PART 1

NRTL
PART 2

29CFR1910.399
DEFINITIONS

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TECH GAGETS

World's
Smallest
Camera
Equipped
Drone

Samsung
Electronics
Chooses Drone
and IoT as Its
Future

Disney's
VertiGo robot
uses propellers
to climb
up walls

Futuristic
Car Comes With
Dragonfly Doors
and Wireless
Autocharging

Samsung
to Showcase
3 Creative Lab
Projects

CUTTING EDGE TECHNOLOGY NEWS

Semiconductor
Equipment
Sales Forecast:
\$38 Billion in
2016

Can Open
AI project
protect
from future's
Skynet's?

Flying
cars just got
FAA approval
for testing

Faster
entanglement
of distant
quantum
dots

Production
of oxidation-
resistant
copper alloy
nanoparticles
by electrical
explosion

Taiwan
Semiconductor
Manufacturing
to Open Own
Plant in China

ASTRONOMY AND TECHNOLOGY

NASA
under orders
to build a deep-
space habitat
by 2018

Astronomers
Find Unidentified
Object at the
Edge of Our Solar
System

NASA's
Image of a
Cosmic
Lightsaber

NASA
Now
Accepting
Applications for
Mars
Astronauts

ENERGY

NEWS

CWRU
Researchers
Tailor Power
Source for
Wearable
Tech

How to
make batteries
flexible

How much
would it cost
to power your
home with
wind?

"Hydricity"
Would Couple
Solar Thermal
and Hydrogen
Power

Germany
fires up
bizarre new
fusion
reactor

BIOLOGY AND TECHNOLOGY

Magnetic
Wand May Fix
Brain Circuits
Gone Wrong In
Addiction

Engineers
Build
Biologically
Powered
Chip

Scientists
identify
'intelligence'
genes and how
to control
them