

## Zinc Coating Analyzer - using the coulometric method

### Description

is happy to introduce the newest addition to the STANNOMetal line of products: Zinc 9000. This system is primarily designed for the automotive industry to inspect Zinc layer coatings.

The new system provides accurate gauging of Zinc layer thickness using the coulometric method. A newly designed cell provides an accurate method of measuring the zinc layers.

A temperature controller verifies that the temperature of the electrolytic fluid remains constant, in order to ensure an accurate measurement.

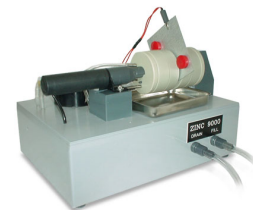
The system provides automatic and semi-automatic measurements for the following Zinc sample types:

- Hot Dip Galvanized
- Hot Dip Iron (graphical analysis)
- Hot Dip Electrocoated
- Galvanealed (graphical analysis)

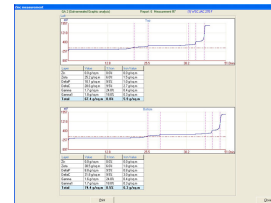
The system measures the following layers (Zinc & Zinc alloys):

- Free Zinc
- Zeta
- Delta P
- Delta C
- Gamma
- Gamma1

The system can automatically detect Free Zinc for some standards (Hot Dip Galvanized, and Hot Dip Electrocoated) or requires the operator to assist in the detection process (for Hot Dip Iron and Galvanealed sample types).



Zinc cell



Measurement screen

## Features

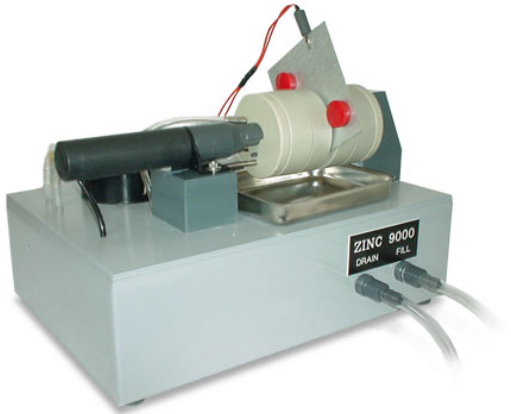
- Reliable coulometric method.
- Temperature controlled electrolytic fluid.
- Measures each layer individually.
- Profiles can be saved for future reference..
- Reports, profiles can be printed and exported.
- Multilingual! Translation to local language is free.
- Runs under Windows..



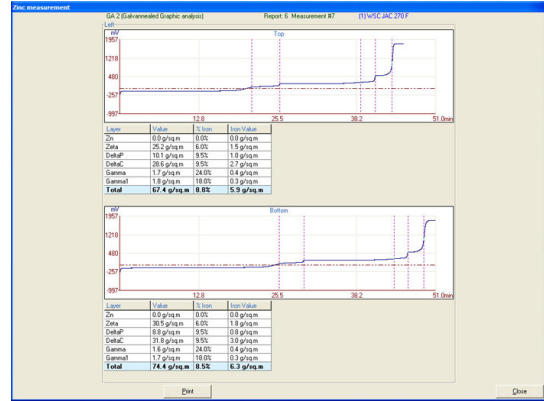
## Specification

Cell types:	Automatic single cell system
	Automatic 3 cell system
Cell types:	Automatic single cell system
	Automatic 3 cell system

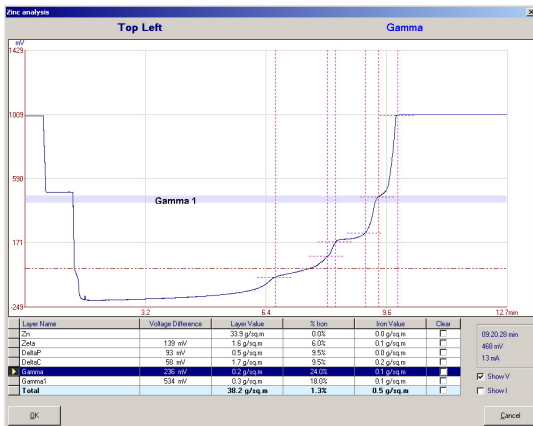
# Pictures



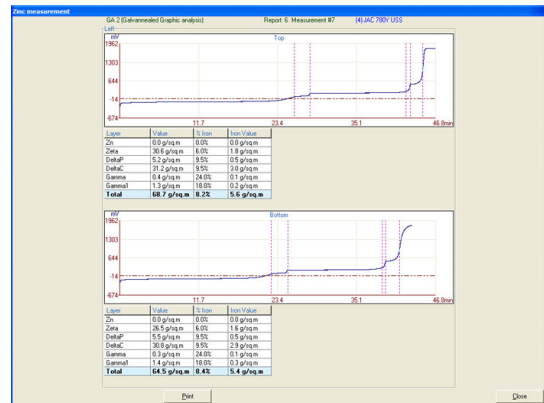
zinc cell



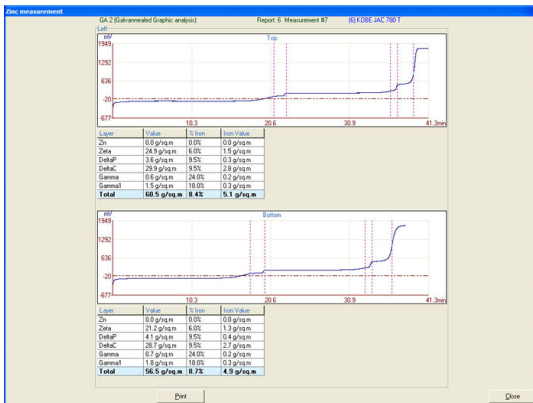
Sample measurement



analysis



Sample measurement



Sample measurement

Date	Time	Layer	Value	Unit
01/01/2014	11:11	Coat	10.0	g/tm
01/01/2014	11:11	Coat	20.0	g/tm
01/01/2014	11:11	Coat	30.0	g/tm
01/01/2014	11:11	Coat	40.0	g/tm
01/01/2014	11:11	Coat	50.0	g/tm
01/01/2014	11:11	Coat	60.0	g/tm
01/01/2014	11:11	Coat	70.0	g/tm
01/01/2014	11:11	Coat	80.0	g/tm
01/01/2014	11:11	Coat	90.0	g/tm
01/01/2014	11:11	Coat	100.0	g/tm

Zinc report