

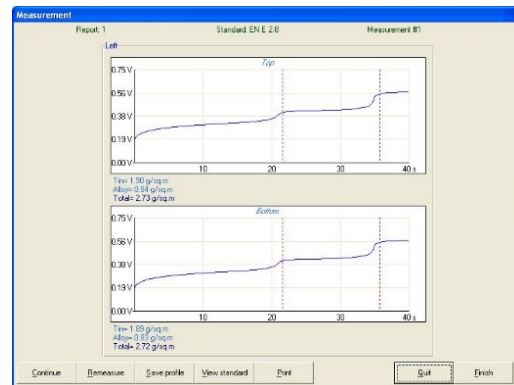
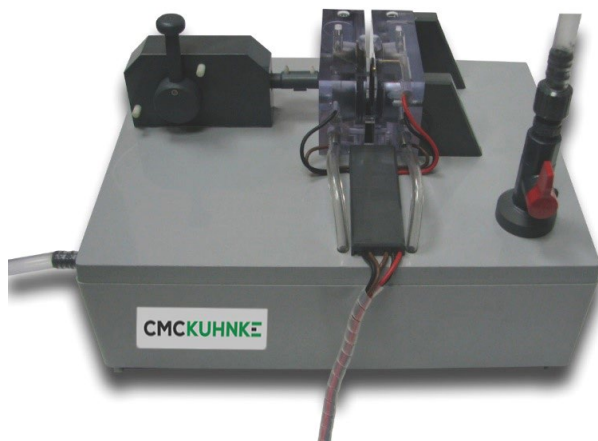
## Tin Coating Thickness Measurement

STM-9000 – Tin Coating Thickness

The STM-9000 provides accurate tin coating thickness (tin plating analysis) using the Windows™ operating system. It is a computerized coulometric metal thickness gauge for tin plated steel.

The system uses new electrolytic/coulometric hardware and software. These coulometer cells are used by the STM-9000 to inspect the tinplate samples and perform thickness measurement testing on the tin plated ferrum.

The operator inserts the metal sample (strip, or actual sample – coated with tin) into the cell. Electrolytic fluid fills the cell and the cell is closed. Next, the measurement process can proceed, with top only, top & bottom or 3x top and bottom measurements. Profiles are presented for each of the tin plate steel measurements.



### Benefits

- The data can be zoomed in or modified as needed
- The system contains preset ASTM, EURONORM, ISO and BSI standards
- Only selected standards are presented to increase productivity

### Features

- Select units of measurement ( $\text{gr}/\text{m}^2$  or LB/BB)
- Select standards from built-in tables (e.g., ASTM, EURONORM, ISO, BSI)
- Create a custom User Standard table
- Establish stripping conditions and control its rate
- Change process parameters (e.g. current) according to the size of the tested area
- Monitor electrolytic solution usage
- Control, store, delete, sort or recall reports
- Automatic detection of layer transition points
- Review graphs of previously measured samples
- Produce one-spot or three-spot reports on both 1-spot cells and 3-spot cells
- Perform self-test and calibration verification procedures
- Perform backup procedures, or review information from backups
- Perform standard maintenance functions (e.g., cleaning)
- Perform quick measurements (i.e. no standard needs to be selected)