



# MPC

Analyser | Dépolluer | Valoriser



## LineSmart® 8000 Online CVS Analysis

- Continuous analysis of Carrier, Brightener and Leveler,
- Automatic addition of the organics available as an option,
- 3 Electrodes system,
- Automatic saving of the results in Excel file.

### LineSmart® 8000 ORGANIC ADDITIVES ANALYZER

This electrochemical analyzer is our latest generation of CVS devices. This instrument analyze automatically and continuously the organics additives directly from the plating line.

#### AVAILABLE PROCESSES :

Process library including the major chemical suppliers (Atotech, Dow, Macdermid-Enthone, Schloetter, Technic, JCU, etc...)

Our Laboratory can also directly set up the new types of analysis.

#### APPLICATIONS :

Manufacturing industry for PCB, electronic connectors and semiconductors.

## CHARACTERISTICS LineSmart® 8000

This unit is completely controlled by PC and PLC softwares. The Windows based software allows to configure in a single screen all analysis parameters.



The unit uses 3 electrodes for the measurement as well as an automatic rinsing and drain system for the analytical cell.



The LineSmart® uses microsyringes for a precise delivery of the reagents.



It also introduces an innovative autocalibration system for the pumps.

**The LineSmart® 8000 UNIT IS DESIGNED TO ALLOW A PERFECT CONTROL OF YOUR ORGANIC ADDITIVES DURING YOUR PRODUCTION.**

# LineSmart® 8000

## CONTROL SOFTWARE OF LineSmart® 8000

The system will automatically control, measure and save the results.

The unit is using a proprietary software which completely control the system.

The software allows the operator to define the working parameters of the unit (number and duration of the rinses, Alarm limits for the organic additives, etc...).

The software shows the last three results of each component on the screen with time and date.



## TECHNICAL CHARACTERISTICS

potential	V	± 12.5 v
current	A	± 100 mA v
polarization potential	V	± 5 v
rising time	µs	< 2
potential ranges	3 ranges (5/2/1V)	
current ranges	7 ranges (100nA to 100 mA)	
rotation speed	0 - 4750 rpm (+/-1.2 rpm)	

### LineSmart® 8000 OPTION AVAILABLE :

Automatic replenishment of the organic additives, multiple tanks analysis (up to 3).

### Advantages LineSmart® 8000 :

- Better reproductibility of the measurement thanks to the automatic additions,
- Decrease of the human factor in the measurements,
- Immediate follow up of the bath, increased reactivity in case of issue,
- Continuous recording of the bath, no stop during night or week end,
- Better control of the organics thanks to the autoreplenishment option.

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