

# AMEL

ELECTROCHEMISTRY

## SCIENTIFIC INSTRUMENTS

*More than 40 years of quality and innovation in electrochemistry*

## A long time in the scientific instruments world

- 1959: Founded by Luigi Grifone, full professor at Padova University
- 1959: first potentiostat
- 1964: oscillographic Polarograph
- 1981: System 5000, state-of-the-art electrochemical workstation (still in production)
- 1989: System 2000 potentiostat line
- 1995: Water quality multiparameter system
- 2003: New 7000 line, redefining performances and flexibility levels

## AMEL, a world-wide presence.

- During the years laboratories all over the world have used and appreciated our equipments
- Our representatives are covering every area with competent sales personnel



## A full range of electrochemical equipment



- Electrochemistry instruments



- Analysis instruments



- Laboratory measuring instruments



- Water quality analysis



- Glassware



- Electrodes and Accessories



- Amel Software



- Microprocessor-based laboratory pstats for routine and advanced research
- Full range of ancillary equipment to help in difficult measuring tasks
- Portable units for “in-situ” tests
- High power units for renewable energy research and production test



- Trace analysers for pollutants
- Polarography equipment for metal detection to ppb levels
- Computer driven instruments with analysis software
- full line of special electrodes

## Laboratory measuring instruments



- Ph, conductivity, oxigen, ion measuring instruments
- Field-tested reliability for everyday use
- Solid construction
- Easy maintenance

## Water quality analysis



- Multiple parameters sensors
- Selective electrodes on specific tasks
- Highly reliable operations
- Operation down to 200 m water level
- Measure-and-go or fixed stations
- Datalogger units, process control units, GSM connected remote stations

## Glassware, electrodes and accessories



- Full range of electrodes for laboratory and in-field applications
- miniaturised versions for special applications
- ASTM cell glassware, polarography cells, magnetic stirrers
- High temperature (1200 C°) sample holders and ovens for ceramics/new materials research



- *AMEL develops internally its software for a better control and a higher quality of the finished product*
  - Corrassyst
  - Voltassyst
  - Zassyst
  - Master Assyst (in developement)
  - Specific software for Tracescan, 433, acquamaster etc.

## **AMEL laboratories and production facility**

- Placed in Milano city, easily reached by car, train and plane (nearest airport: Linate )
- Production and final test lines equipped with state-of-the-art instrumentation.
- ISO 9000 registered (Visio 2000 under process)
- 20 trained technicians, 5 in R&D
- In-house chemistry lab for methods developement
- Research partner of primary italian Universities

- Project developement from concept to production in the laboratory and process instrumentation.
- Testing procedures, product validation
- Technology research for specific tasks, with the availability of Universities' labs and experts help