

# ECS 204

Electrochemistry  
Stage

*In situ* Electrochemical AFM Studies

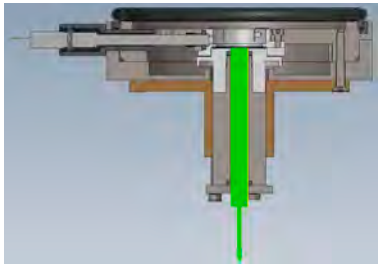




The ECS 204.



Flat sample.



Rod-type working electrode.

## In situ electrochemical AFM studies

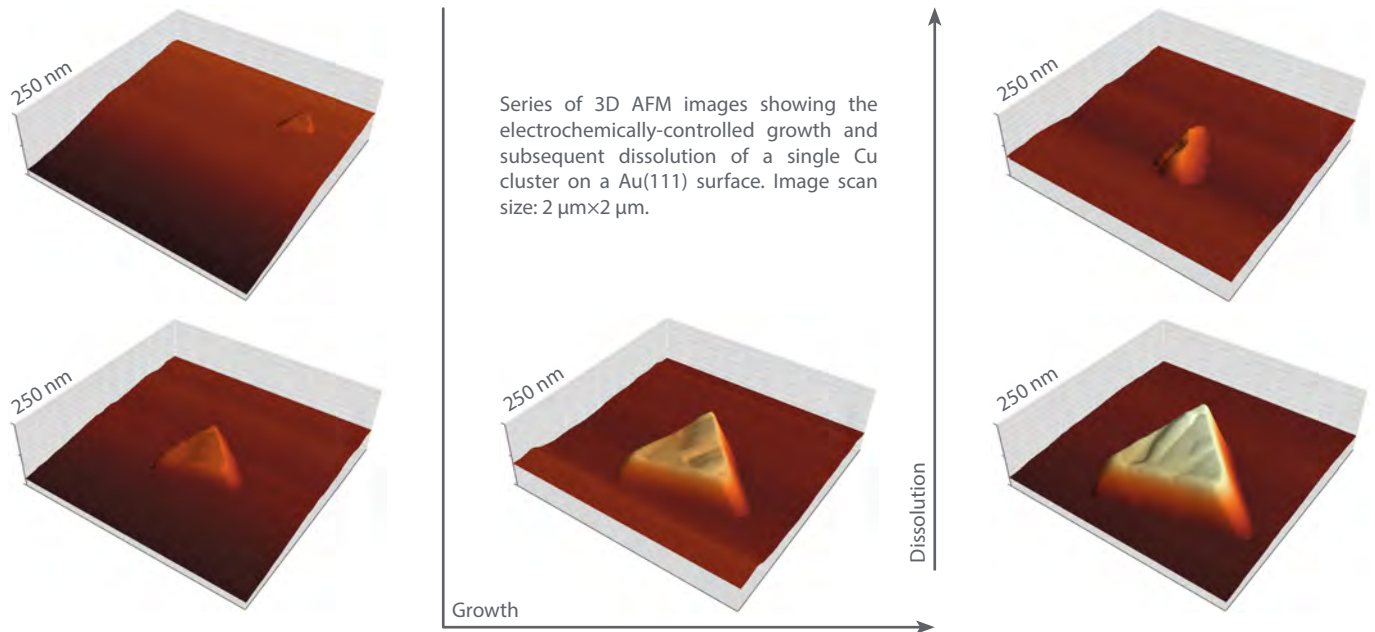
The ECS 204 allows scientists to elegantly perform simultaneous AFM imaging and electrochemical measurements on electrodes and samples immersed in electrolyte solutions.

### Main features

- Inert liquid cell embedded in solid steel frame
- Small protected compartment for oxygen-free atmosphere above the solution
- Integrated micrometer stage for lateral positioning (2 mm range)
- Employs metal wire reference electrode or true reference electrode
- Mounting of flat samples or rod-type electrodes
- Liquid flow-through for solution filling and exchange
- Can be mounted on the Nanosurf Isostage for vibration isolation
- Size: 204 × 204 × 118 mm
- Weight: approx. 6 kg

### Required additional components

- FlexAFM scan head with protective membrane and the C3000 controller
- Corrosion-resistant cantilever holders for imaging in liquid or in air
- Nanosurf Isostage for active vibration isolation
- FlexAFM camera



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