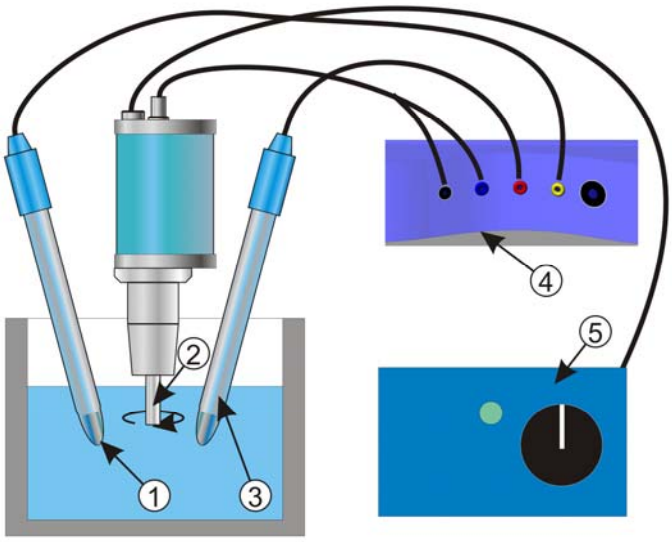
ION 3 PLUS: ROTATING DISK ELECTRODE (RDE)

The new rotating disk electrode is assembled on a driving shaft (which has a steady and adjustable angular speed ω) perpendicularly to the disk surface. As a result of this movement, the fluid near the disk produces a radial speed, thus moving it away from the middle of the disk. Then the shifted fluid is replaced with a "regular" flow on the surface. The rotating disk electrode acts as a "pump" since it sucks liquid solutions from the cell.

Figure 1 - rotating disk electrode



1	Reference electrode
2	Rotating disk electrode
3	Counter
4	Ionix3⁺ connections
5	Speed controller

1	External surface
2	Electrode centre

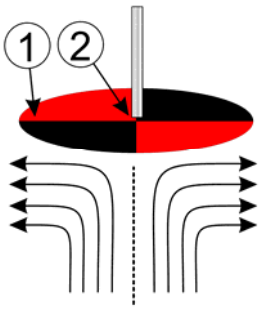


Figure 2- Rotating disk electrode

The rotating disk electrode provides an efficient and reproducible transfer of liquids, thus allowing for the analytical measurements to gain reproducibility and accuracy.

STEROGLASS ROTATING DISK ELECTRODE

Steroglass rotating disk electrode is placed into the conical slot of **ION3 +** pantograph, instead of the propeller stirrer used with other stationary electrodes.

ION3+ voltammetry system connections are made possible by a small coaxial cable (standard), while external speed controller connection takes place through a multipolar shielded cable (standard with the said controller).

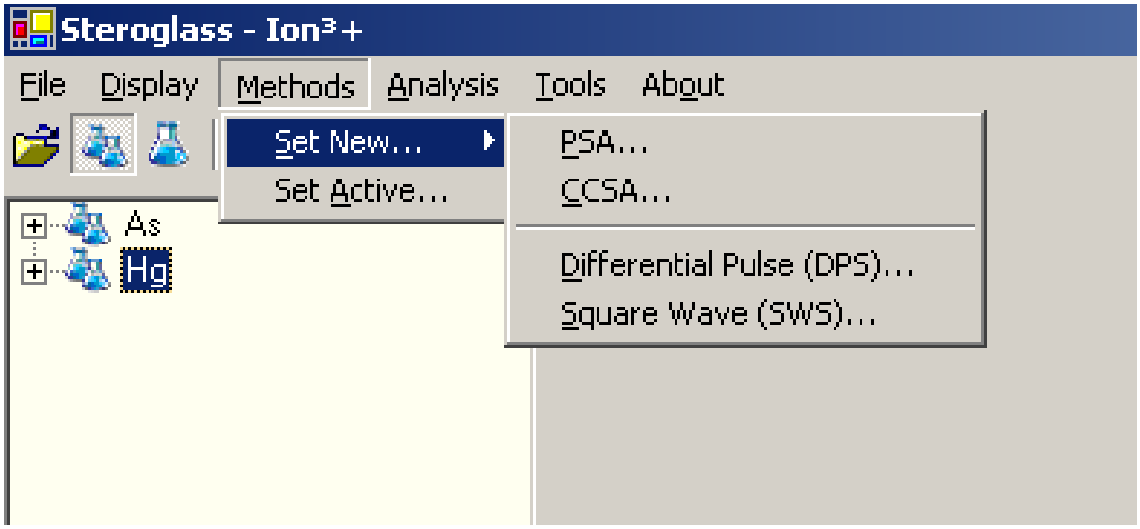
HOW TO ORDER

DESCRIPTION	STEROGLASS CODE
ROTATING DISK ELECTRODE RDE	DKFM057417

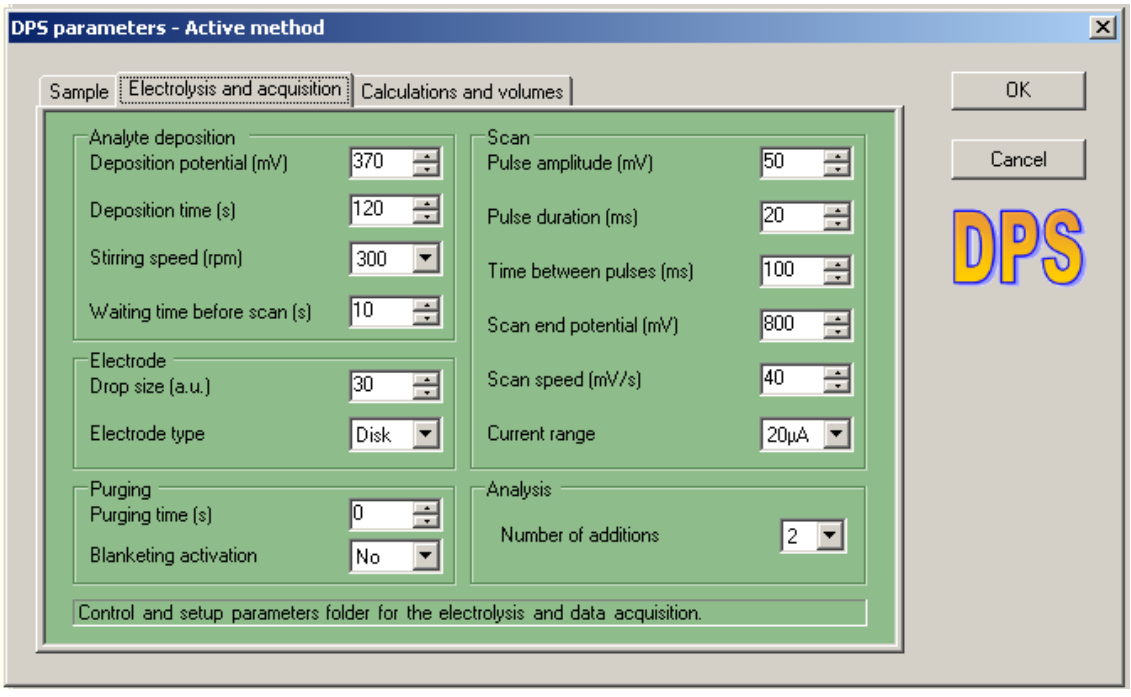
ION ^{3} PLUS: THE NEW "WAVE" SOFTWARE

- ***UPDATED TECHNIQUES:***

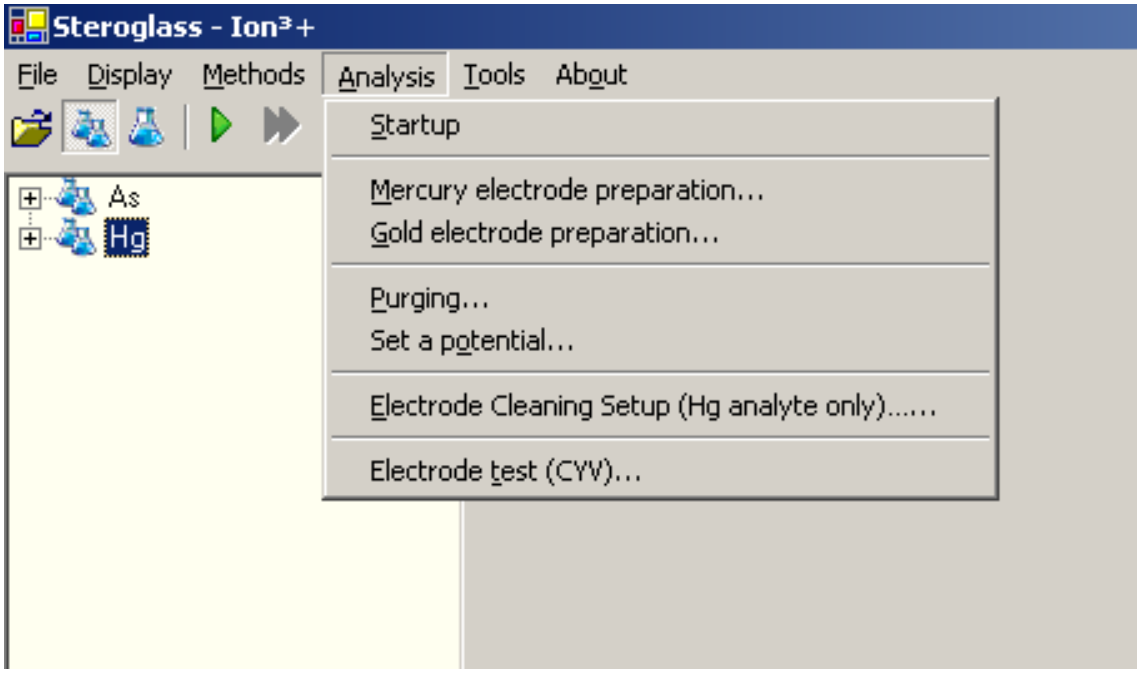
  -PSA *(Anodic Stripping Analysis)*
  -CCSA *(Constant current stripping analysis)*
  -DPS *(Differential pulse)*
  -SWS *(Square Wave)*



- ***EASY PARAMETERS SETUP***



- ***AUTOMATIC ELECTRODE SETUP BY POTENTIAL RATE***
- ***ELECTRODE CONTROL BY CYCLIC VOLTAMMETRY***



- ***USER-FRIENDLY***