

# RDC-157

## Name CORE DRILLING MACHINE

Material type  
**GRANULAR  
PITCH  
ELECTRODES  
LINING**

Utilization  
**R&D  
IN-PLANT  
LAB**

General description  
To achieve a good and stable electrode performance, a well-defined routine quality control with unbiased sample preparation is required. The sample preparation is often underestimated, as a sampling procedure with inappropriate equipment will falsify the test results.

The RDC-157 apparatus is a specifically designed core drilling machine to ensure a correct sample preparation. The apparatus consists of a core bit driven by an electrical motor. A pressure gauge combined with an adjustment valve allows controlling the speed for automatic drilling operations. Cores with a diameter of 50 mm and a length of approximately 250 mm are prepared for the subsequent evaluation of properties. The installation of the RDC-157 apparatus requires a specific frame determined by customer requirements which is not supplied with the equipment.

Technical information

|                      |                                      |
|----------------------|--------------------------------------|
| Function:            | Drilling of electrode cores          |
| Sample:              | Electrode block                      |
| Process Time:        | ~ 5 minutes                          |
| Installation:        | On specific frame                    |
| Dimensions (LxWxH):  | 97 x 61 x 180 cm                     |
| Weight:              | 270 kg                               |
| Electrical Property: | 400 V 3/N/PE, 50 Hz<br>2.1 kW, 5.3 A |
| Fluid Property:      | Water<br>3-7 bar, 480 l/h            |
| Database Connection: | No                                   |

