

## RDC-161 Bench Scale Anode Production Unit Ø 50

The RDC-161 is used in the Bench Scale Evaluation of the mechanical and chemical behaviours of raw materials (coke, pitch and butts) in Anode Manufacturing. This facilitates the manufacturing of anode samples in a laboratory environment, which may be used for research and development and to control the manufacturing process.

The apparatus is used for the production of electrodes (Ø 50 mm) with a scale factor 1:1 000, comprising of:

1. 1x 10 L Eirich Intensive mixer with electrical heater
2. 1x Press
3. 1x Drying Oven

It consists of a mixer and press for the preparation of anode samples which are baked in the RDC-166 Anode Baking Furnace. Once baked, the anode samples can be tested for different anode properties thereby establishing the quality of the produced bench scale anodes.



\*Photos and illustrations are not contractual.

	Mixer	Press	Drying Oven	
<b>Specifications</b>	Measurement			
	Sample			
	Sample weight			
	Batch			
	Temperature setting			
	Maximum temperature			
	Mould Pre-heating			
	Pressed samples dimensions			
	Pressure applied during pressing			
	Process time			
<b>Configuration</b>	Set up			
	Dimensions (LxWxH)	1220x820x1765	1220x820x2550	1250x800x1725
	Weight	510 kg	550 kg	260 kg
<b>Facilities</b>	Electrical connection			
	Power	7.1 kW	1.5 kW	3.4 kW
	Ventilation			
	Installation			