



VIBRATED BULK DENSITY DEVICE[®]

A recognized method for determining the porosity characteristics of calcined petroleum coke

How it works

The porosity characteristics of calcined petroleum coke have a significant impact on anode performance.

It has been observed that the porosity of calcined petroleum coke affects the coke suitability for use in pitch bonded carbon applications like prebaked anodes for aluminum smelting.

The VBDD / Vibrated Bulk Density Device[®], developed by Rio Tinto Alcan and commercialized by STAS, is a measuring equipment used to determine vibrated bulk density values (SI units) with good precision based on the ASTM D7454 standard.

It is available with a calcined coke crusher that ensures uniform preparation of the sample to be measured.

Key features

Performance

- > Allows good and consistent coke porosity to improve prebaked anode performance in potrooms.
- > Fully integrated and semi-automated.
- > Easy to use by laboratory personnel, requires very little training to operate.
- > Comparable results obtained in different laboratories thanks to its standardized analysis method (ASTM D7454).

Power and control panel

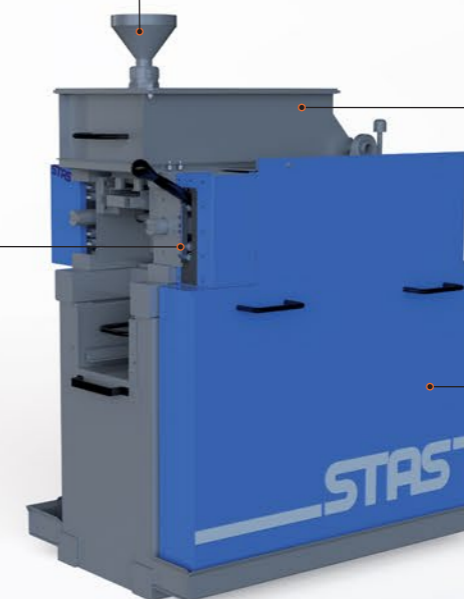


Vibrated Bulk Density Device[®]

Photosensor

Vibrating conveyer

Hopper



Calcined Coke Crusher

Vibrating conveyer

Predefined roll spacing

Custom crusher

© January 2018 All rights reserved STAS Inc. Printed in CANADA



CONTACT US:

1846, rue des Outardes,
Chicoutimi (Québec),
CANADA G7K 1H1

+ 1-418-696-0074

info@stas.com

stas.com |