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 aluminium 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).