



## TCA-1000 Cement Analyzer

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| Mining Industry

☰ Details Info

### Application:

Non-metallic powder: calcium carbonate heavy, calcium carbonate light, talcum powder, kaolin, graphite, wollastonite, brucite, barite, mica powder, betonies, diatomite, cl

Metallic powder: aluminum powder, zinc powder, molybdenum powder, tungsten powder, magnesium powder, copper powder , rare metal powder, alloy powders etc

Other powder: catalyst, cement, abrasive, medicine, agricultural pesticide, food, paint, dyes, fluorescent powder, river sediment, ceramic raw materials, various emulsion

Application fields: labs in material, chemical colleges and universities, large enterprises, key laboratory and research institution.

### Advantage:

software plays important roles in laser particle size analysis technologies. It has big influence on precision, repeatability and compatibility of instruments. Bettersize laser

#### 1. High integration software:

Bettersize laser particle size analysis system software is high integrative software system and could be used by

multimodels. It is convenient to for upgrade, using and training. Economic instruments contains functions of high range instruments to some extent.

#### 2. Multi-language Functions:

Systems have 17 kinds of languages and include all the important languages in the world. Just choosing the language that you need, the system will transfer the text. No

#### 3. Multi-optical parameters in database:

260 kinds of optical parameters are including almost all kind of common samples. The Mie scattering theory used in laser particle size test data processing is coherence with practical samples, ensuring the precision of test result.

#### 4. Standard calibration function ensures the precision of test result:

Beckman laser particle size instruments use standard samples to do the calibration, the same as foreign famous brand instruments, ensuring the precision of test result.

#### 5. SOP technologies:

A series of SOP set realizes intelligence testing.

#### 6. Background calibration:

Pressing 'Calibration' button will occur a background calibration window, realizing calibration progress, showing calibration status, ensuring instruments are in the best state.

#### 7. Multi-statistics and Pro functions:

It includes query, combining, delete, comparison, export, repeatability error statistics and so on and is convenience for users to use and exchange.

#### 8. Others:

Personalized screen, visualized operation platform, embedded brochures, report edit, adding samples, multiport forms, auto-test, common test and so on.

#### Specification

Range	0.1-1250 um
Sample Inflow Method	Built-in automatic circulating and dispersing system
Repeatability	less than 1% (CRM D50)
Accuracy	less than 1% (CRM D50)
Measuring Principle	Mie scattering theory
Laser	optical fiber semiconductor laser, imported
Operation System	Win XP/ Win 7
Connection Port	USB or RS232
Photo detector	86
Testing Time	2-3 minutes per test
Ultrasonic Power	50 W
Tank Capacity	500 ml
Circulating Flowrate	500-2500 ml / min
Voltage	220V, 50/60 Hz
Outer Dimension	800*500*418mm

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