



**The HITEC Luxembourg A 2000 is the commercial/ industrial scale available solution to test according ASTM D1514, ISO 1437 as well as JIS K 6218-3**

This test method covers the determination of sieve residue after mechanical water flushing of for example regular untreated carbon blacks. It may not be applicable to oil-treated carbon blacks because the oil would prevent proper wetting of the black by water. The test set A 2000 is used worldwide mainly for carbons. Applications for inorganic pigments and fillers / extenders are also possible. Being a standard product, repeatability and reproducibility are better compared to self-built solutions.

**Examples for application**

The TEST SET A 2000 is used worldwide mainly for carbon black Applications for inorganic pigments and fillers / extenders are also possible.

# A 2000

## SIEVE RESIDUE TESTING DEVICE

### Key features

- High-quality, reliable and durable technology
- Measurement ranges from 0.020 mm to 0.8 mm
- Simple handling
- Free flushing nozzle in the glass lid for funnel rinsing
- Handy sieves (diameter 50 mm, weight from 5 g) available with stainless steel or plastic ring
- Simplest sieve positioning and removal
- Absolute reproducibility of screening results
- No dust forming due to sealed construction
- Easy maintenance
- Space saving construction
- Low noise level

### Customer satisfaction promise

We offer worldwide installation and training services by our experienced engineers and technicians.

Contact our sales & service team for more information: [sales@hitec.lu](mailto:sales@hitec.lu)

Visit our online catalog for more information:

[shop.hitec.lu/product/a-2000/](https://shop.hitec.lu/product/a-2000/)

**HITEC Luxembourg S.A.**

49, rue du Baerendall L-8212 Mamer  
T +352 49 84 78 - 1 | F +352 40 13 03  
[info@hitec.lu](mailto:info@hitec.lu) | [www.hitec.lu](http://www.hitec.lu)

Follow us on [f](#) | [in](#) | [t](#) | [@](#)

## A 2000 CHARACTERISTICS

### Performance features

|                             |                                   |
|-----------------------------|-----------------------------------|
| Range of application:       | Wet screening, cleansing from mud |
| Input materials:            | Powder, suspension and mud        |
| Number of fractions:        | Standard-1                        |
| Charge/solid matter amount: | 5 to 200 g                        |

### Accessory

Pump for pressure increase

### Device components

- Quick, clean and simple fastening due to a quick fastening system
- Screen observation through a glass lid
- Automatic water switch off clock for flushing time limiting
- Pressure reducing valve for constant pressure conditions
- Manometer for pressure control
- Flow meter for water flow control
- Spaying nozzle in container lid for flushing the vessel free of residue
- Water filter protects against external impurities

### Sieves according to ISO 565 DIN 3310-1

Sieves with a diameter of 50 mm with or without an impact tongue are used according to different test methods. These screens make the handling for the user very simple and allow the weighing by using standard analytical balances. The sieves are supplied either with plastic rings (Type A - Weight 5 g) or stainless steel rings (Type B- Weight 20 g). The sieve fabric is testing sieve fabric according to DIN 9044 ISO 4783. It is possible to obtain testing certificates (3.1 B according to DIN EN 10204 or factory certificates 2.2.)

*\*All product, product specifications and data are subject to change without notice to improve reliability, function or design.*

### Technical data\*

|                                     |                          |
|-------------------------------------|--------------------------|
| Case:                               | Stainless steel          |
| Analysis sample vessel:             | Stainless steel          |
| Vessel lid:                         | Glass                    |
| Depth:                              | 400 mm                   |
| Width:                              | 380 mm                   |
| Height:                             | 600 mm                   |
| Max. working height:                | 760 mm                   |
| Weight:                             | 13.4 kg                  |
| Pressure reducing valve:            | Adjustable 2 - 5 bar     |
| Water pressure (set acc. to ASTM):  | 2 bar                    |
| Flow meter:                         | 60 - 600 l/h             |
| Total water flow:                   | 450 l/h                  |
| Flow at the nozzle:                 | 450 l/h                  |
| Water clock:                        | 0 - 120 min              |
| Input:                              | Directly onto the screen |
| Discharge unit with discharge hose: | Stainless steel          |
| Emission value EN ISO 3740:         | LpA eq = 60 dB (A)       |

