

ELAn-18 Proximate Analyzer

15 Patents, including 7 invention patents, proximate analyzer is suitable for batches with large quantity of samples.

Specifications

Sample Weight: (0.5~1.1) g

Furnace Temperature: Room temperature~1000°C

Temperature Control Precision: $\pm 3^{\circ}\text{C}$ (Moisture) $\pm 5^{\circ}\text{C}$ (Ash, Volatile matter)

Max Sample: 18

Max Power: 4.5kW

Power Requirement: 220V(-15%~10%), 50Hz

Gas Requirement: Compressed Air



Sample loading at ambient temperature



Standard Layout:

Proximate Analyzer
Lenovo PC (Desktop)
Printer

Size:

878*613*601mm

N.W.:

149kg

Highlights

1. Dual furnaces design

Low temperature furnace for moisture test, high temperature furnace for ash and volatile matter test.

2. High test efficiency, continuous test available

Unique test mode of conducting moisture and ash test simultaneously, it can perform moisture and ash analysis in different furnaces, batch analysis of all the test indexes doesn't need to wait for furnace cooling to avoid time wasting. During the active analysis, operators can pre-weigh the next batches of samples.

3. Improved accuracy

Sample weighing at room /low temperature by external and internal balances, the influence caused by balance drift has been effectively reduced.

4. Safe operation

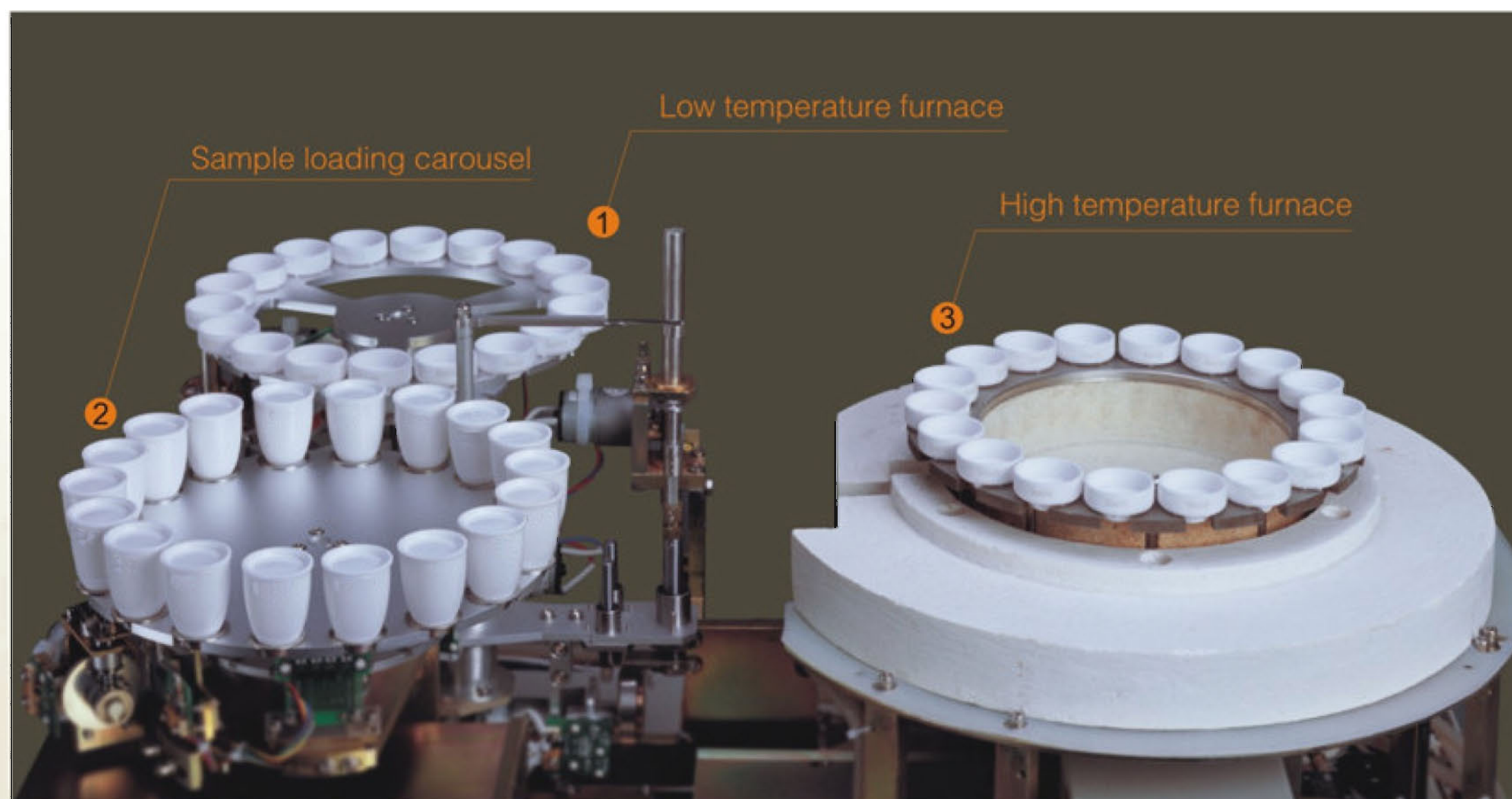
Specially designed volatile matter crucible together with unique auto-sample loading device to avoid the operation of replacement or removal crucible covers under high temperature thus to avoid the heat emission and hurt to the operator.

5. Operation cost saving

Gas supply by compressed air, no oxygen and nitrogen required.

6. Easy to operate and handle

- Easy-to-use Windows®-based software, after finishing the sample weighing, operator's attendance is not needed.
- Easy data handling, real time data can be transmitted by internal network.
- With CAN bus interface, several proximate analyzers can be controlled by a single PC.
- Connect with balance and network by standard interface RS232.



Dual furnace design, test moisture and ash simultaneously



Crucible clamping device



Weighing at ambient temperature