5E-MAC6710
Automatic Proximate Analyzer-TGA

Standard Configuration

Computer	Weighing rod
Printer	Three-core power socket and plug/20A
Main analyzer	Crucible lid for volatile matter
Air compressor	Glass spoon(small size)
Crucibles	Standard Reference Material(GBW)
Weighing rod base	Tool kit

Embedded Furnace Wire

Automatic Cover Open & Close Button

Features

High Efficiency

1. Up to 19 samples can be determined within 2 hours for moisture, ash, volatile matter analysis and to calculate the fixed carbon.
2. Embedded furnace wire is adopted, which makes the operation more safer with more uniform furnace temperature.
3. Double control (One PC controls two furnaces) is available.

High Accuracy

1. Thermogravimetric technology with blank crucible calibration in the same atmosphere to ensure weighing accuracy.
2. Adjustable ramp rate and real-time display for thermal weight curve, manage data and graph seamlessly.
3. MAC6710 uses sheathed thermocouple, which has strong corrosion resistance and longer service life.

Easy Operation

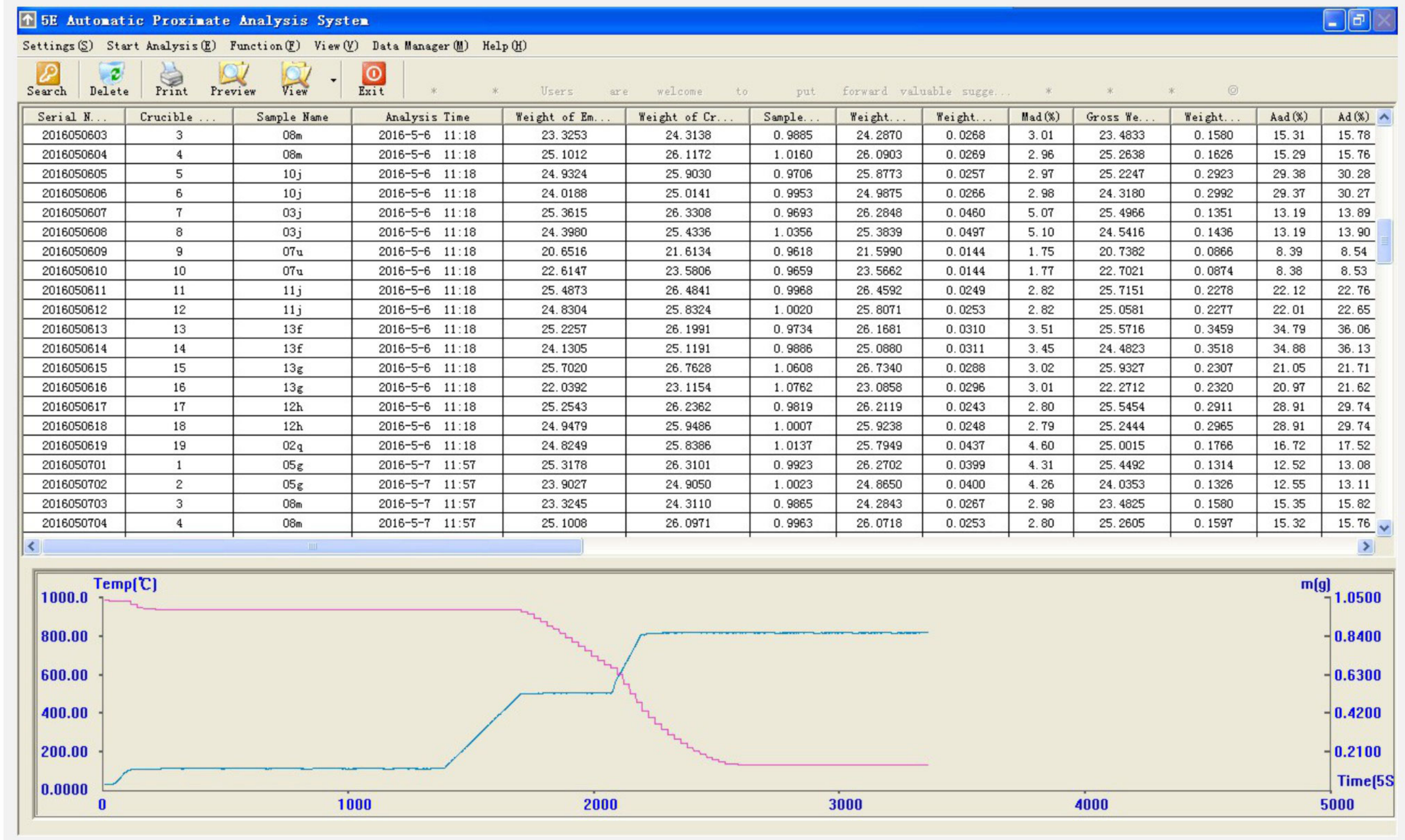
1. Furnace cover can be opened and closed automatically by pneumatic system, no heat hazard and labor saving.
2. Real time display of balance reading, which makes it convenient to control the precision of sample weight.
3. Wide application for limestone, cement, iron ore.

Specification

Model	5E-MAC6710
Conforms to Method	ASTM D7582, ISO17246, GB/T30732
Automatic Function	Yes
Control Ability	2 units/1 PC available
Temp. Rising Speed	1-50°C/min
Analysis Time	≤120mins for 19 samples of three parameters ≤120mins for 38 samples of three parameters(Double Control)
Sample Mass	0.8-1.2g recommended / up to 5g
Temp. Range	Up to 1050°C
Temp. Control Precision	±2°C
Power Supply	Single phase, AC220V±10%, 50/60Hz, ≤5 kW
Net weight	50kg
Dimensions(L×W×H)	550mm×580mm×530mm

Adjustable Ramp Rate and Real-time Display for Thermal Weight Curve

The heating rate can be set as 1-30°C/min , which can satisfy the requirements of ASTM, ISO and CEN standard for the coal sample and biomass sample analysis. Thermal weight curve (temperature -mass changes curve)can be drawn. The data can be exported to Excel.



New Analysis Procedure

MAC6710 adopted new analysis process of volatile, ash content and the temp. controlling timing, which has increased the analysis precision of ash and volatile content to satisfy the precision requirements of ASTM. The ash analysis result can meet the demand without calibration, and the volatile analysis result can satisfy the requirements after calibration.

Descriptions	A_d	$A_{d,sv}$*	A_d-$A_{d,sv}$	Uncertainty	V_d	$V_{d,sv}$*	V_d-$V_{d,sv}$	Uncertainty
AR1722	22.48	22.42	0.06	0.20	21.06	21.60	(0.54)	0.6
AR1722	22.48	22.42	0.06	0.20	21.13	21.60	(0.47)	0.6
AR1773	4.81	5.03	(0.22)	0.24	28.91	29.48	(0.57)	0.98
AR1773	4.89	5.03	(0.14)	0.24	29.21	29.48	(0.27)	0.98
AR1776	22.54	22.42	0.12	0.39	21.13	21.60	(0.47)	1.2
AR1776	22.42	22.42	0.00	0.39	21.16	21.60	(0.44)	1.2
AR1778	28.80	28.67	0.13	0.14	20.32	20.14	0.18	0.5
AR1778	28.80	28.67	0.13	0.14	20.32	20.14	0.18	0.5
AR1782	12.40	12.53	(0.13)	0.11	37.97	38.96	(0.99)	1.73
AR1782	12.47	12.53	(0.06)	0.11	38.02	38.96	(0.94)	1.73
AR1783	17.44	17.58	(0.14)	0.14	6.32	6.08	0.24	0.3
AR1783	17.47	17.58	(0.11)	0.14	6.23	6.08	0.15	0.3

*$A_{d,sv}$ stands for A_d Standard Value, $V_{d,sv}$ stands for V_d Standard Value.