

# Ceramic Muffle Furnace

DRYING OVEN

LABORATORY INCUBATOR

**MUFFLE FURNACE**

WATER DISTILLER

WATER BATH & OIL BATH

HEATING MANTLE

STIRRER

MIXER & SHAKER

HEATING PLATE & SAND BATH

DIGESTION APPARATUS & METAL BATH

NITROGEN SAMPLE CONCENTRATOR

CLEAN BENCH

STERILIZER

VACUUM PUMP

FILTRATION

GRINDER

COLONY COUNTER

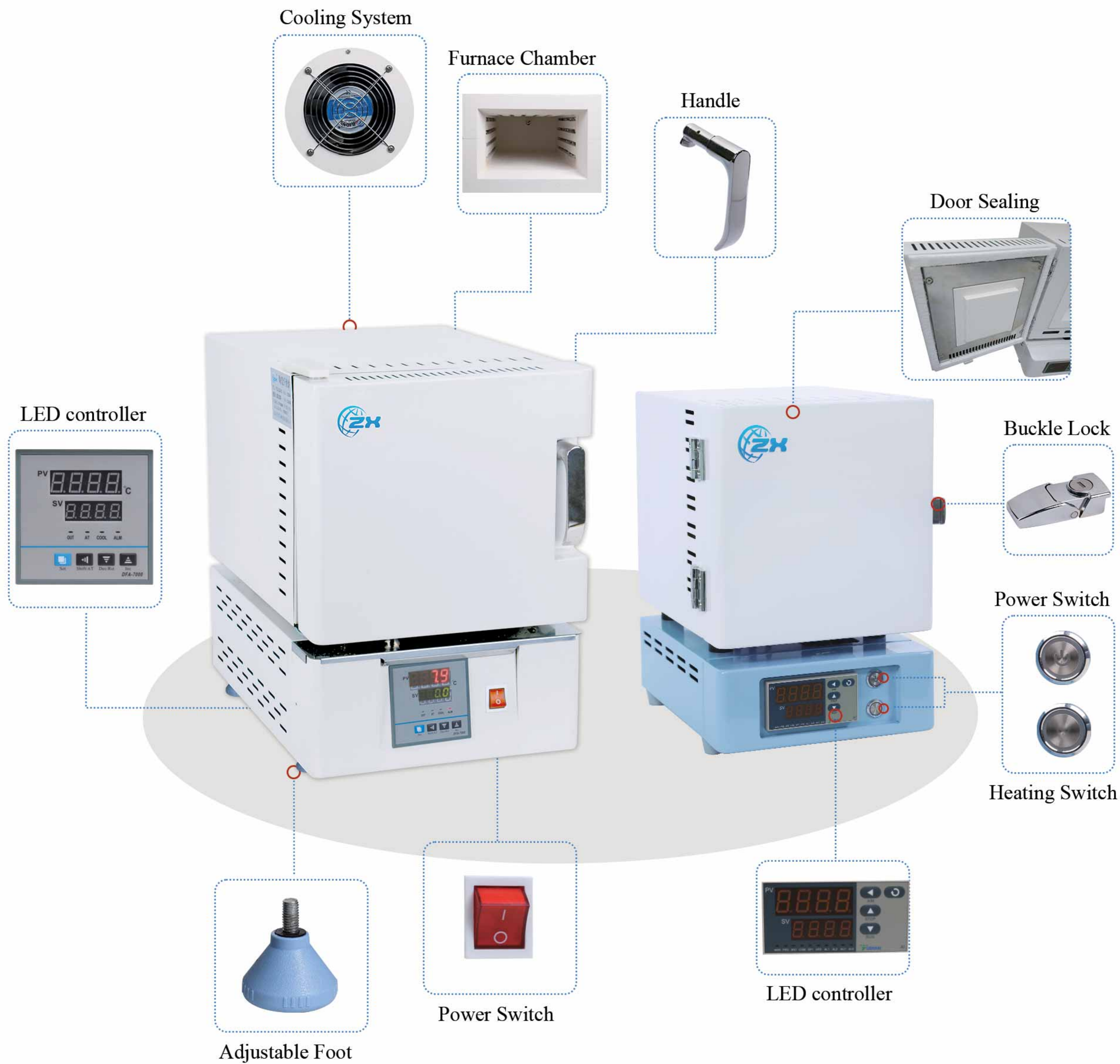
DRYER

CENTRIFUGE

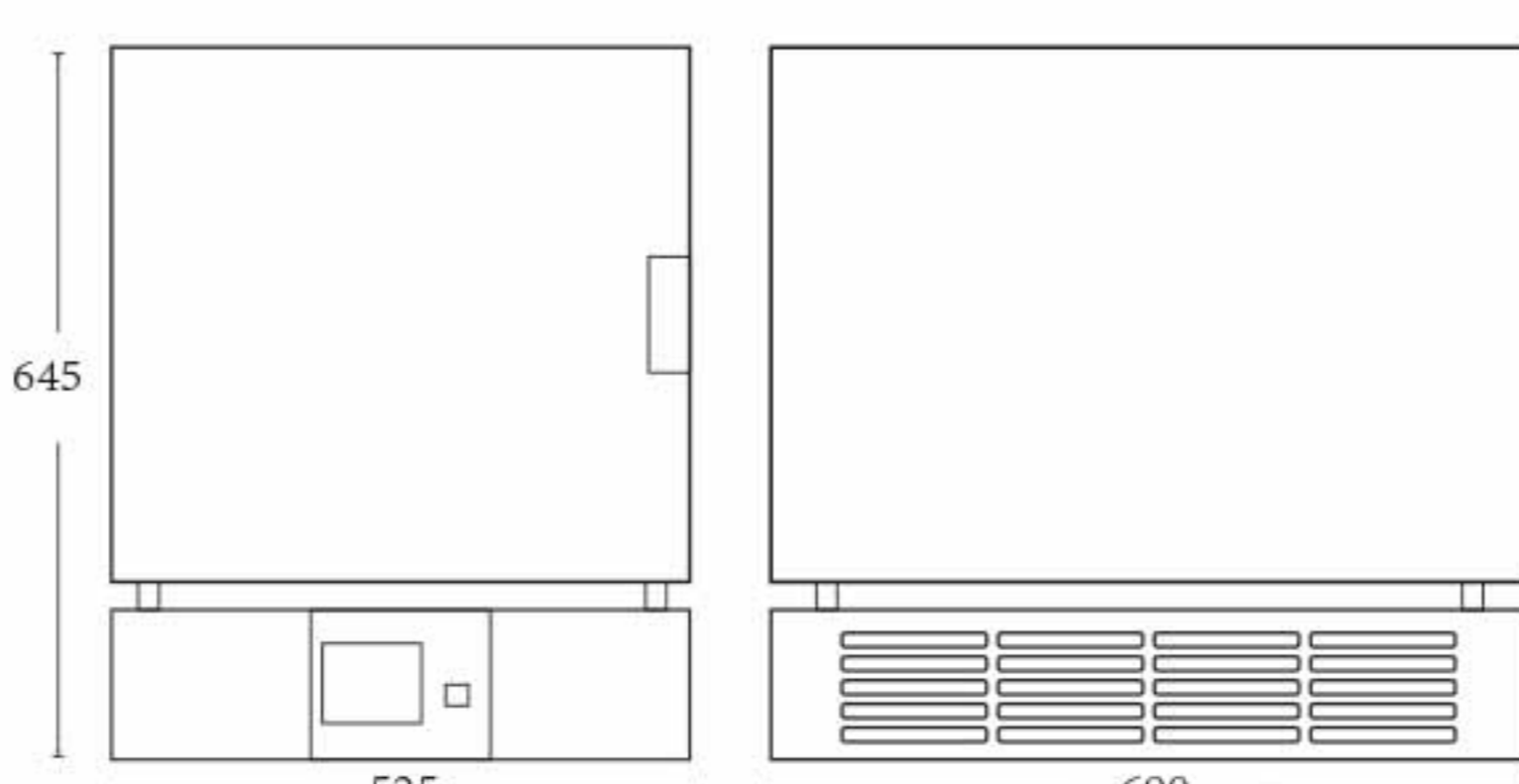
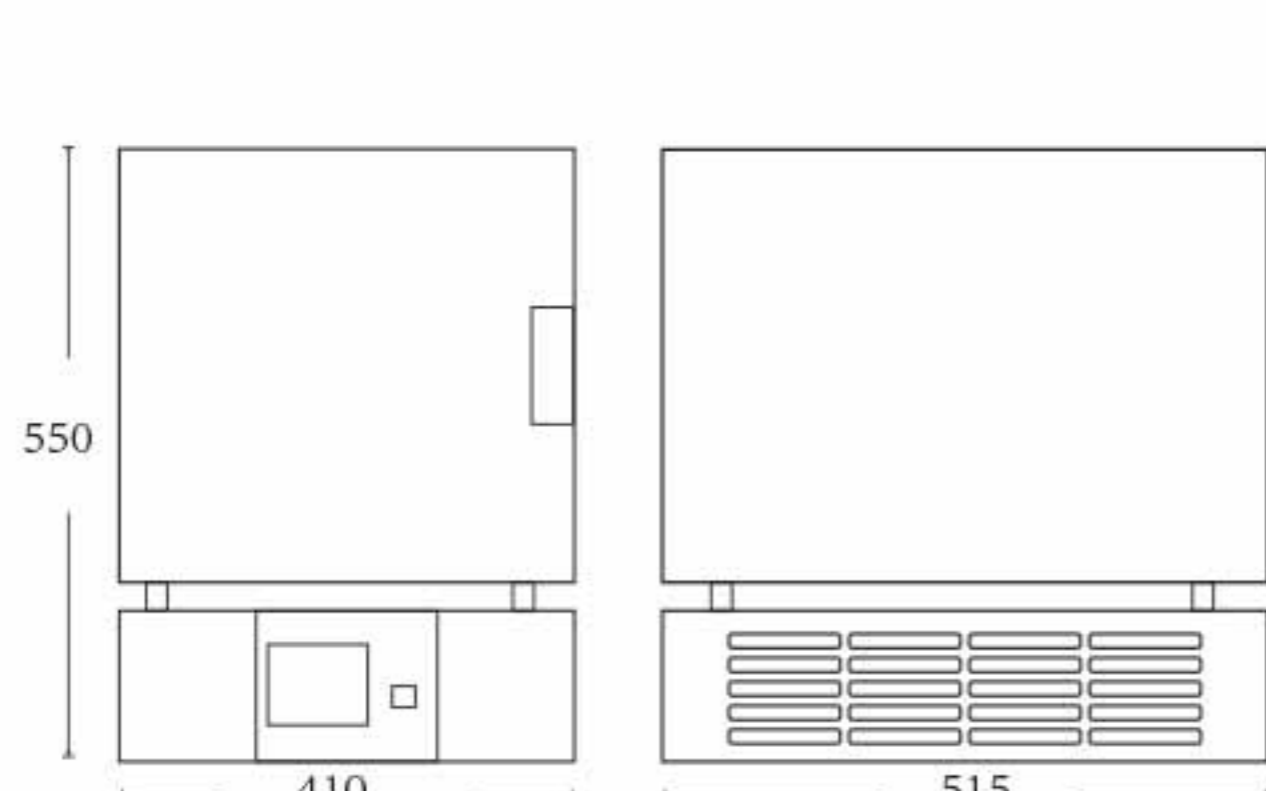
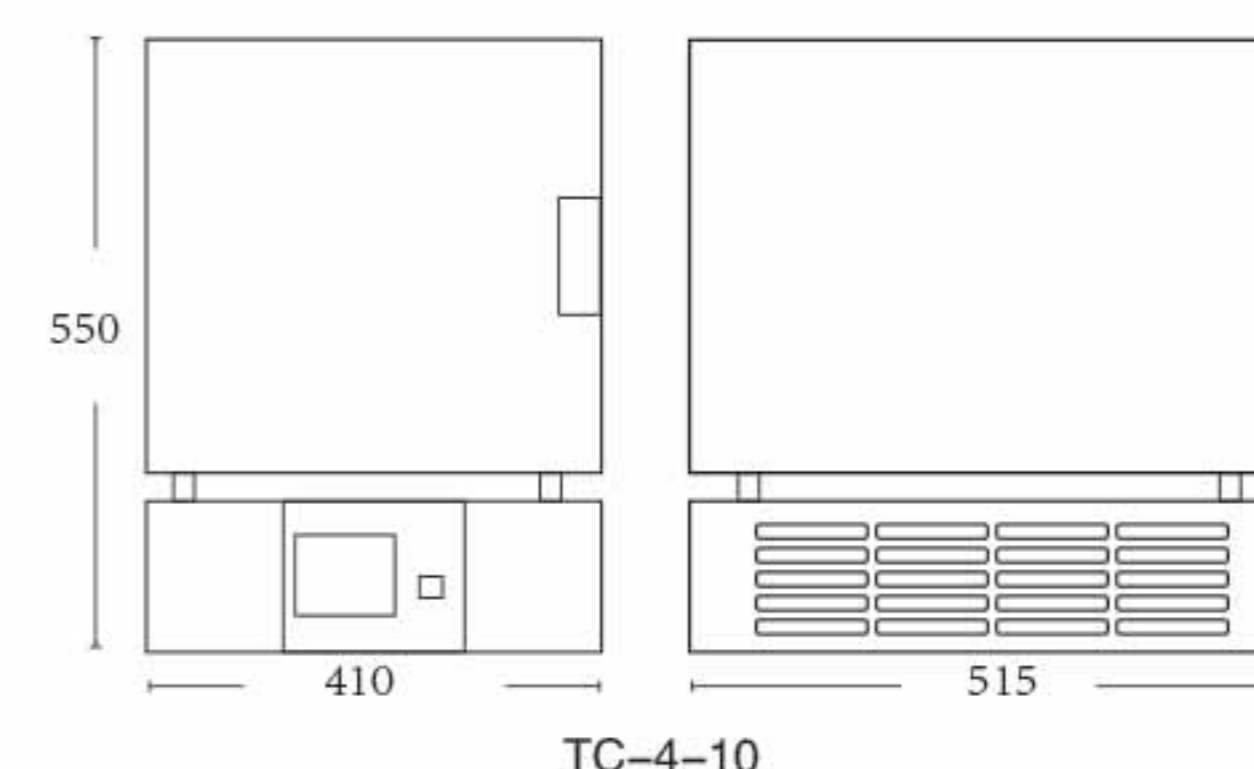
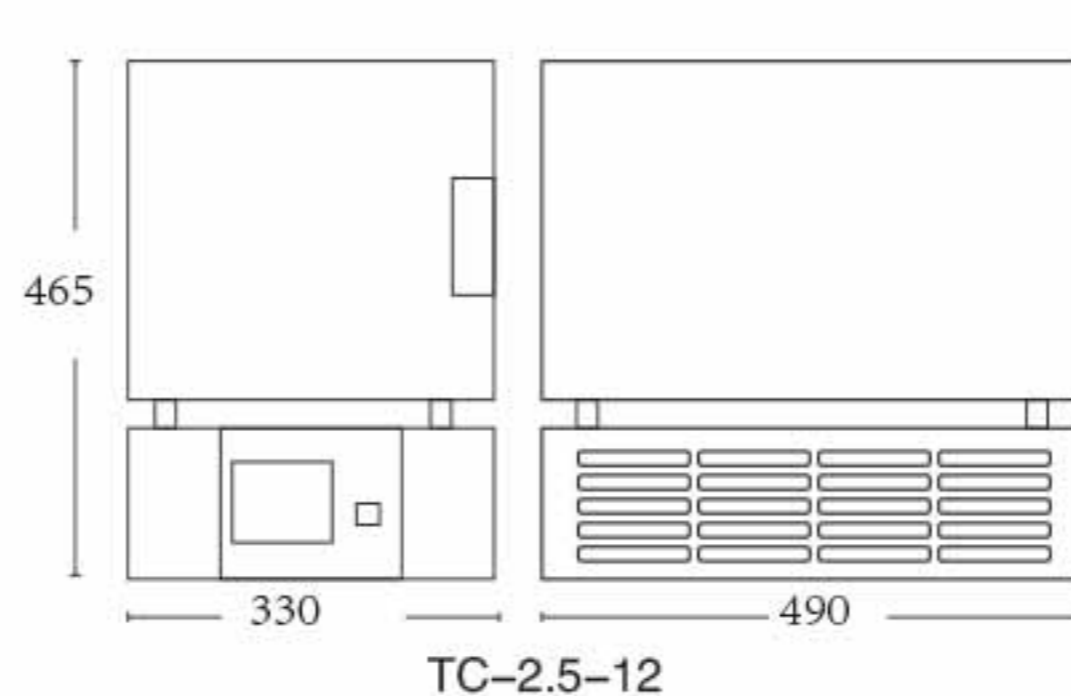
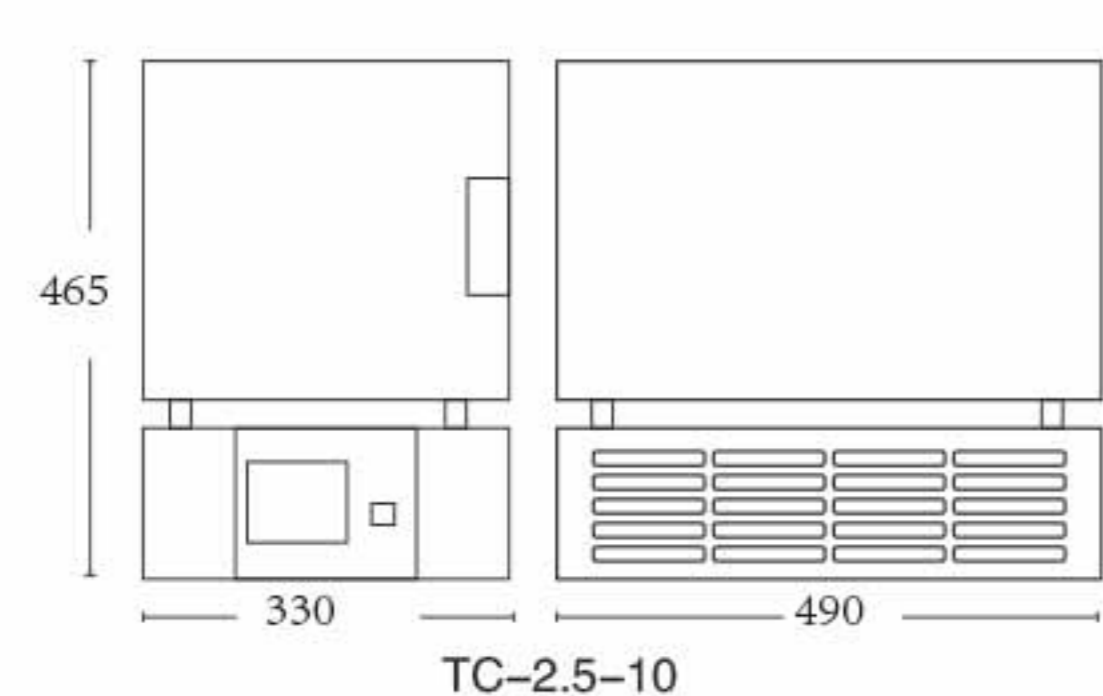
ELECTRIC FURNACE

LIFTING TABLE

LABORATORY CONSUMABLE



## Dimension(mm)



DRYING OVEN

LABORATORY INCUBATOR

MUFFLE FURNACE

WATER DISTILLER

WATER BATH & OIL BATH

HEATING MANTLE

STIRRER

MIXER & SHAKER

HEATING PLATE & SAND BATH

DIGESTION APPARATUS & METAL BATH

NITROGEN SAMPLE CONCENTRATOR

CLEAN BENCH

STERILIZER

VACUUM PUMP

FILTRATION

GRINDER

COLONY COUNTER

DRYER

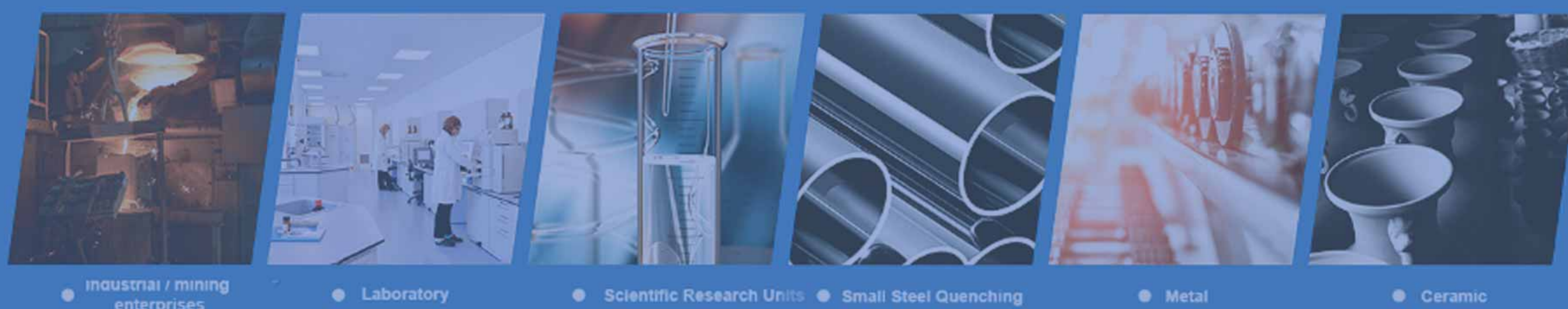
CENTRIFUGE

ELECTRIC FURNACE

LIFTING TABLE

LABORATORY CONSUMABLE

The ceramic muffle furnace is discontinuous running type furnace. Can be used in laboratory, industrial and mining factories, R& D institution, academy for metal material, ceramic material firing, some single crystal heat treatment, fire proofing's high temperature testing and common small steel unit quenching, annealing, tempering and some other heat treatment.



### Characteristics:

- Furnace adopts all Ceramic fiber structure, light weight, specific heat capacity little, low consumption, saving more than 70% power.
- Rising temperature quickly, can adjust rising temperature speed. It should take about 15-30 minutes from room temperature to 1000°C.
- The case adopts high quality cold-rolled steel plate with the plastic spraying on the surface. The door adopts side door structure, which is easy to open and shut. For safety operating, product has power off device when open the door.
- Control system adopts high-precision P.I.D intelligent instrument which has function such as auto-adjust, revise temperature error, timing, over temperature alarm, control temperature stability, high precision. Also non-contact circuit is used with the character of low noise and high reliability.

### Major Technical Parameters:

Model	TC-2.5-10	TC-4-10	TC-8-10	TC-2.5-12	TC-5-12	TC-10-12	TC-1-12	TC-4-13	TC-8-13	SX2-8-16	SX2-12-16	
Rated Power (kw)	1.5	3	6	1.5	3	6	1	4	8	8	12	
Rated Temp.	1000°C			1200°C			1300°C		1600°C			
Timing range	1-9999min											
Controller Type	LED			LED			LED Programmable type					
Voltage	220V	220V	380V	220V	220V	380V	220V	220V	380V	380V	380V	
Inner Chamber	Ceramic fiber											
Phase	Single		Three	Single		Three	Single		Three	Single		
Temp. rising time	≤15min			≤20min			≤40min		≤360min			
Heater	Iron chromium alloy heating wire											
Capacity(L)	2	7	16	2	7	16	1	4	18	5.5	13	
Operation Function	Auto tuning function, Offset value setting, Timing function											
Safety Device	Over temperature sound-light alarm											
Size of inner chamber (W*D*H)(mm)	120*200*80	200*300*120	250*400*160	120*200*80	200*300*120	250*400*160	100*100*100	150*250*100	200*500*180	150*300*120	200*400*160	
Size of Exterior (W*D*H)(mm)	330*490*465	410*515*550	525*690*645	330*490*465	410*515*560	525*690*645	230*350*290	610*715*750	725*890*845	560*880*880	770*1000*960	
NW(KGS)	30	40	76	30	40	77	20	50	86	240	335	
GW(KGS)	34	50	81	34	50	81	22	60	91	300	400	
Optional	LCD controller, LCD programmable controller, 485 port, Printer port, Independent timer, USB Port											