



BANBROS ENGINEERING PVT. LTD.

The Precision Measurement People

HIGH TEMPERATURE FURNACE FOR TENSILE TESTING MACHINE



- **VALUE**
- **VERSATILITY**
- **PERFORMANCE**

BTHT-1200

**DESCRIPTION:**

The furnace has a columnar split structure, three stage control function. Mainly consists of furnace, temperature controller, high temperature pull rod, high temperature clamp, high temperature extensometer and supporting device. The temperature controller adopts PID mode, this mode ensures the high control accuracy. It's an ideal test equipment for high performance material of colleague, research institute, factory and so on. This furnace can work with universal testing machine, to do kinds of metal, non-metal materials high temperature tensile testing.

FEATURES:

1. Furnace is split open cylinder structure, heating by resistance wire, through control the heating time percentage, realize the temperature control accuracy.
 2. Controller use updated control mode, with small fluctuation, no temperature over-swing.
 3. Match with a movable stand, easy to move for high temperature test or room temperature test.
- Test sample deformation measuring use double channel extensometer to measure, two channel signal average to get the sample deformation actual test result. Deformation resolution is 0.001mm.

TECHNICAL SPECIFICATION:

Model No.	BTHT-1200
Working temperature	300°C~1000°C
Internal uniform temperature length	100mm
Temperature accuracy	Test temperature (°C) 200, 600, 600, 900, ≥900 temperature deviation (°C) ±3, ±4, ±5 temperature gradient (°C) 3, 4, 5
Furnace inner diameter X length	φ 90×320mm
Furnace outer dimension	φ 320×380mm
Bi-parting three-section	heating
Temperature rising power	can use temperature controller to adjust.

**STANDARD ACCESSORIES:**

Components	unit	qty
High temperature chamber and accessories	set	1
Temperature control system (PID adjusting)		1
K type thermocouple	pcs	3
High temperature pulling rod and connection part M16 (Φ10)	pair	1
High temperature pull rod, Water cooling pull rod, Joint of pull rod	set	1
D10mm Sample rod extractor (for the extension test)	pair	1
Support bracket	set	1
Movable stand	set	1
Recycle water cooling system	set	1



Upper (°F) AT	Centre (°F) AT	Lower (°F) AT
0.0	0.0	0.0
SetValue 0.0	SetValue 0.0	SetValue 0.0
Output 0.0%	Output 0.0%	Output 0.0%
Average (°F) 0.0	Normal working!	
	2018-04-17 08:37:21	Chart Data Option Usualness

Upper segment input sensor	Centre segment input sensor	Lower segment input sensor
Input type K	Input type K	Input type K
Unit °C	Unit °C	Unit °C
Upper limit 0.0	Upper limit 0.0	Upper limit 0.0
Lower limit 0.0	Lower limit 0.0	Lower limit 0.0
<input type="button" value="Return"/>		