

## KASON 5653 HIGH TEMPERATURE FURNACES

High temperature furnaces are available in a variety of temperatures for a wide range of materials including metals, composites and ceramics. They are ideal for tension, compression, flexure and cyclic fatigue testing. The center split design of the furnaces allows easy access to samples and fixtures. The mounting brackets have slide rails that can be easily pulled apart to separate the two half circles. The mounting brackets can be used with a variety of load frames. Each furnace comes complete with R-type thermocouples and mounting brackets. If the multiple zone option is selected, the furnace also includes thermocouples and temperature control for each zone. Each furnace can accommodate high temperature axial extensometers.



### FEATURES

Reduce heat loss and extend service life using silicon carbide heating elements and alumina fiber insulation; single or multi-zone heating; center split design allows easy access to samples and fixtures; multiple furnace heights to accommodate any testing requirement.



### SPECIFICATIONS

MODEL	TEMPERATURE MAXIMUM/MINIMUM	TOTAL IMPROVEMENT	HOT ZONE HEIGHT	HOT ZONE WIDTH AND DEPTH	NUMBER OF REGIONS
KS 5653.01	1400°C/100°C	55mm	19mm	50×50mm	1
KS 5653.02	1400°C/100°C	85mm	50mm	50×50mm	2
KS 5653.03	1400°C/100°C	126mm	90mm	62.5×62.5mm	2
KS 5653.04	1400°C/100°C	220mm	185mm	62.5×62.5mm	3

- This high temperature furnace is particularly suitable for use when a low thermal gradient is required on tensile or fatigue specimens.
- Suitable for high temperature bend testing of ceramic materials in accordance with ASTM C1211 or JIS R1604 standards.
- Please contact us for the selection of bend fixtures and tie rods suitable for temperatures above 1100°C (2000°F).
- Note: Please specify voltage requirements and provide necessary load frame dimensions when ordering to determine system integration requirements.