

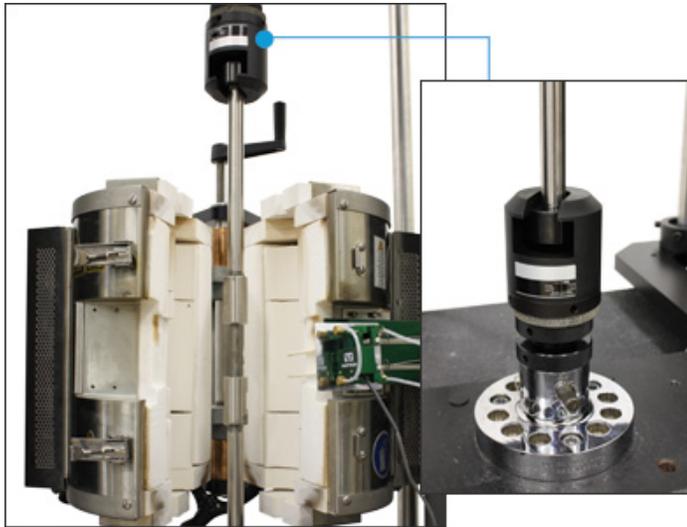
Materials Testing Accessories Newsletter**In This Issue: 1000°C Furnace and Accessories**

Many companies need to know how their products perform at ambient as well as at certain temperatures. For ambient testing, solutions are usually straightforward; Instron® grips and fixtures can be simply added to a test frame. However, when manipulating testing environments, solutions become more complex. For instance, if a biomedical device needs to be simulated in a 40°C climate, a [BioPuls Bath](#) can regulate this temperature. Where other materials, such as plastics, composites, and metals, require testing at temperatures from -150°C to +600°C, a [temperature chamber](#) would be an ideal solution. Furthermore, the aerospace or power generation industries may need to test material properties at temperatures exceeding 600°C; at this point, a [furnace](#) should be used. For temperatures above 1000°C, it is recommended to [contact a local Instron office](#).

When testing at temperature, operators aspire for simple solutions.

Materials required for temperature testing typically need to be different in terms of geometry and thermal performance from those used at ambient. Some accessories may be value-added.

Quick-release pull rods can be used for fast and easy specimen changeovers. The entire heated section of load string can be removed from the hot zone to allow for safe changing of the specimen, away from the radiating furnace. When using a split furnace with quick-release pull rods, the system is relatively easy to use.



Furnaces can be supplied with extensometers that include fixed brackets to make the operation easier or that include a cord for a more cost-effective solution.



The extensometer and bracket mounts to the furnace or T-slot mounting arm and uses spring force to maintain contact with the specimen. The gauge length can be set prior to mounting; therefore, it can be mounted on specimens after they are heated, mitigating thermal expansion issues, and can be easily removed before fracture to prevent damage to the arms.

Tensile specimen holders allow for testing of round and flat specimens.

Contact Us

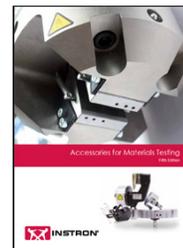
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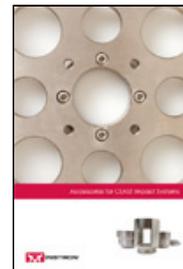
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Related Links

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- New Accessories for CEAST Impact Systems Catalog



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- Missed previous issues of the Accessories Newsletter? Catch up at the [Instron Library](#). Follow the link and select "Newsletter" as the Document Type.

- Visit our [Testing Solutions](#) to find technical tips relevant to your testing application.

Future Events

For a list of upcoming shows that Instron will be attending, please visit the [Events](#) page of our website.



Brackets have easy-to-use adjustments. The standard mounting allows the operator to set the vertical position of the furnace, while the advanced mounting contains additional features for more precise positioning. Both options offer a swing-away capability to easily remove the furnace from the testing space.



[Request our 1000°C furnace brochure](#) or contact your local office for more information.

For more information on Accessories, visit us [on the web](#), submit an [online request](#), or call us at [+800 564 8378](#) (US only) or [+44 1494 456815](#) (Europe only)

Are you testing something a little different? Do you think more people should know about it? Would you like to submit an article for possible publication in the Instron accessories newsletter? If so, please [submit your story](#).

What do you think? Tell us!



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