

PRESS RELEASE

On behalf of: Carbolite Ltd

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NEW ROTATING TUBE FURNACE WITH EASILY REMOVABLE WORK-TUBE

A new horizontal furnace with a rotating work-tube has been developed by Carbolite for continuous heat-treatment of powders or granulates at temperatures up to 1150°C in air or inert gas.

The RHZS furnace is based on the company's well-proven HZS 12/900 model but provides more flexible sample processing through the adjustment of tilt and rotation speed of the work-tube, allowing the heating of each sample to be precisely controlled. Samples are automatically fed into the tube from a Retsch vibratory feeder and collected at the exit end in a 5-litre container fitted to the furnace frame.

The split design of the furnace allows the work-tube to be easily removed and replaced whenever required. Work-tubes up to 110mm external diameter can be used. A safety switch automatically cuts off the power supply to the elements and rotation system when the furnace is opened.

Total heated length is 900mm, divided into three zones, each with its own controller and thermocouple. Wire elements in high-quality vacuum-formed insulation ensure fast heat-up, excellent uniformity and short cooling times.

Packages for processing samples in inert gas are available as optional equipment.

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For more information or images please contact

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Carbolite is the world's leading manufacturer of electrically heated furnaces and ovens. Based in the United Kingdom, the company exports units to over 100 countries where they are used in many markets including mining, electronics, ceramics, aerospace, materials science, metallurgy and pharmaceuticals.