

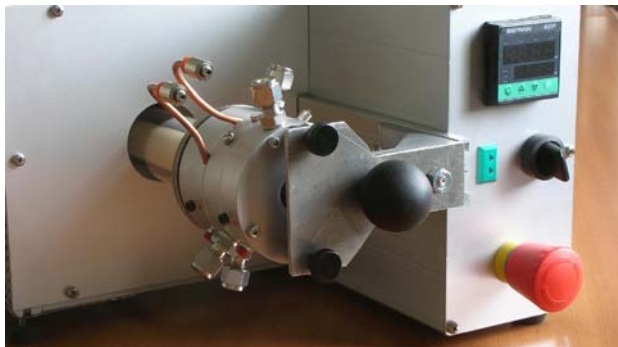


# 1KH 1100

HIGH SAFETY LABORATORY FURNACE



MaterialsMates Italia



**The first laboratory furnace designed to fit the cell into the test volume under the highest level of operator's safety**

The procurement of a new furnace for a modern lab, is but the first step between the planned goal, and actual results.

No matter what the activity field is, the hot zone of the furnace will lodge samples that must be placed, conditioned, measured.

Obtaining the desired results, is the final task of a hard work to be carried by the specialist. He is no longer alone in facing all of this: taking advantage of a long-term laboratory activity, **Materials Mates Italia** introduces to the market the first furnace targeting a broad range of applications, plus all the ancillaries needed to allow the operator to concentrate on his task only.

Built and equipped to make life easier, it will drastically cut the integration time and, by choosing a sample-holder within the broad selection offered by the **Cell Company**, the experiment will be setup and running in one hour, guaranteed.

In a small footprint that fits every bench-top, this is the first application-oriented furnace system in the field.

This oven is ready to hold your valued samples in a tightly controlled environment, to yield the highest repeatability and performance.

Contact us, and talk to a specialist to find out more on the advantages of our solutions.



**OVEN**

<b>Temperature range</b>	Ambient to 1100 °C
<b>Inner volume (usable)</b>	80 mm x 50 mm dia with < 1 °C uniformity
<b>Heating system</b>	Super Kanthal 1350 °C wire (1200 °C)
<b>Orientation</b>	Horizontal
<b>Insulation materials</b>	Eco-fiber alumina,
<b>Loading</b>	Slide in : Manual aluminum rail Run length: 220 mm Max load: 2 Kg
<b>Gas ballast</b>	Inert Gases and air allowed
<b>Other features</b>	Panic button , sample thermocouple input, status lamp, active safety on the rail

**CONTROL SYSTEM**

<b>Controller</b>	Gefran 800P
<b>Thermocouple (oven)</b>	Type N
<b>Interface</b>	RS-232 serial port
<b>Communication protocol</b>	MODBUS
<b>Sample Thermocouple</b>	Type K (S on request)
<b>Cascade controlling</b>	Through software only (2 <sup>nd</sup> controller on request)

**POWER SUPPLY AND SIZE**

<b>Voltage mains</b>	115 or 230 V (+/- 10%) 50 or 60 Hz
<b>Power consumption</b>	1500 VA max
<b>Size &amp; weight</b>	Approx 60 x 40 x 80 cm (L x W x H) Kg 18

**ORDER CODES AND OPTIONS**

See lower chart

1KH 1100 1 G X

