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| C:\Users\dell\Desktop\IMG_20200304_165541.jpg**HIGH TEMPERATURE FURNACE** | **Name of the equipment:** HIGH TEMPERATURE FURNACE**Make & Model:**Heatcon Instruments pvt. Ltd, HENIX**I-Stem Registration ID-** **3224879****Category of Instrument**Material Science **Types of Analysis / Testing**Heat Treatment**Application:** Heat treatment, metallurgy, ceramic production**Description of Instrument**Specialized equipment designed to generate and maintain extremely high temperatures, typically ranging from 1000°C to over 1500°C, for industrial processes like material testing, heat treatment, metallurgy, and ceramic production. |

**Booking Details**

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| **Book through I-STEM:** <https://www.istem.gov.in/>**Slot Booking Link**[I-STEM Slot Booking link for External User](https://www.istem.gov.in/equipment-info/24879/High-Temperature-Furnace) | **Booking available for**Internal and External Both**Requisition form for** InternalExternal |
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**Contact Details**

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| **Faculty In-charge:** Dr. Murali.K.P**Email ID:**kpmurali@nitc.ac.in**Phone number:**+914952286414  | **Technical Staff:** Sanal PR (TA SG I) sanal@nitc.ac.inJithin Krishna M (TA)jithinkrishnam@nitc.ac.in Jijeesh k (ST) jijeeshk@nitc.ac.in | **Department**MED**Office Email ID**medoffice@nitc.ac.in**Location**Production Engineering LabProduction Block**Lab Phone No**0495-2286450 |

**Features, Working Principle and Specifications**

**Instrument Technical Description and Major Specifications:**

Size: Height 12” x Width 12” x Depth 12’’

Power rating: 12KW

Max. Temp: 1800o C

Insulation: Ceramic fibre

Heating Element: Molebdenum Di-Silicate

Control panel: PID controller, Thyristor power controller, indication lamp, Transformer

**Type of sample Required:** To be discussed case by case

**User Charges Rs. (GST Extra)**

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| **Internal** | **External Academic Institutes** | **National R&D Lab** | **Industry** |
| 100/- per hour | 300/- per hour + GST | 300/- per hour + GST | 300/ per hour + GST |