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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**  Internal  External |
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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.in](mailto:sanal@nitc.ac.in)  Jithin Krishna M (TA)  [jithinkrishnam@nitc.ac.in](mailto:jithinkrishnam@nitc.ac.in)  Jijeesh k (ST)  [jijeeshk@nitc.ac.in](mailto:jijeeshk@nitc.ac.in) | **Department**  MED  **Office Email ID**  [medoffice@nitc.ac.in](mailto:medoffice@nitc.ac.in)  **Location**  Production Engineering Lab  Production 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 |