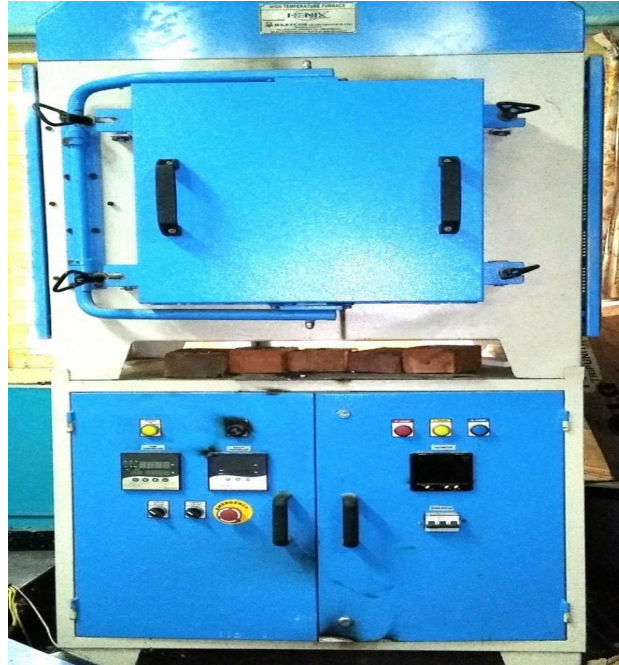


HIGH TEMPERATURE FURNACE

Photo of Instrument:



Instrument Name	HIGH TEMPERATURE FURNACE
Instrument Model & Serial No.	HENIX
Instrument Make	Heatcon Instruments pvt. Ltd, Bangalore
Category of Instrument	Furnacce
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.
Instrument Technical Description and Major Specifications (This Specifications Limited to Major 5)	<p>Size: Height 12'' x Width 12'' x Depth 12''</p> <p>Power rating: 12KW</p> <p>Max. Temp: 1800° C</p> <p>Insulation: Ceramic fibre</p> <p>Heating Element: Molebdenum Di-Silicate</p> <p>Control panel: PID controller, Thyristor power</p>

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	controller, indication lamp, Transformer
Application of Instrument (Limited to Major 4 or 5)	Heat treatment, metallurgy, ceramic production
Type of Sample Required for Analysis / Testing (Quantity, Pre-Preparation, State etc.) Guidelines for Sample Submission – User Instructions	To be discussed case by case
Types of Analysis / Testing	
Faculty In-Charge Name / Email / Contact	Dr K. Sekar 9746562695 sekar@nitc.ac.in
Technical Staff Name / Email / Contact	Mr. Sanal P R sanal@nitc.ac.in 9497186556
Location of Instrument	Materials Science Lab Production Engineering Block
Other Details	

User Charges

S.NO.	Type of Analysis / Testing	Internal - within Department of NITC	Internal - Other Departments NITC	External Academic Educational Institutes	National R&D Labs	Industry
1	Heating	100/hour	100/hour	300/hour	300/hour	300/hour

Slot Booking and Payment Work Flow: