

RESEARCH FACILITIES



JEOL JIB 4700 FIB-SEM

JIB-4700F Multi Beam System with Energy Dispersive X-ray spectroscopy (EDS) and Electron Backscatter Diffraction (EBSD) can be used in morphological observations and elemental and crystallographic analyses of various specimen.

RESEARCH FACILITIES



JEOL JEM 2100

JEOL JEM F200



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PULSED LASER DEPOSITION

Thin film & epitaxial thin films deposition of oxide functional materials



NANO INDENTOR

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PHYSICAL PROPERTY MEASUREMENT SYSTEM

VSM, ETO & Heat Capacity at cryogenic



ATOMIC FORCE MICROSCOPY

PFM, MFM, SCM, STM & SSRM



RAMAN SPECTROSCOPY

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THIN FILM XRD

GIXRD, HRXRD, RSM, XRR, & COUPLED 2θ - ω

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BULK & POWDER XRD

Multipurpose X-ray diffraction (XRD) system for analysis of powders solids and thin film specimens

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INSTRON-UTM

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**LAMINAR AIR FLOW
CABINET**



UV VIS



CUTTING MACHINES



**ABRASIVE
CUTTING MACHINE**



**GRINDING & POLISHING
MACHINE**



**AUTOMATIC TWIN JET
POLISHING MACHINE**

RESEARCH FACILITIES



DILATOMETER



DSC-TGA



ELCETRO POLISHING



ELECTRO SPARK COATING



FUME HOOD



GOLD SPUTTERING

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HIGH ENERGY BALL MILL



DSC-TGA



HIGH VACUUM SINTERING FURNACE



HOT AIR OVEN

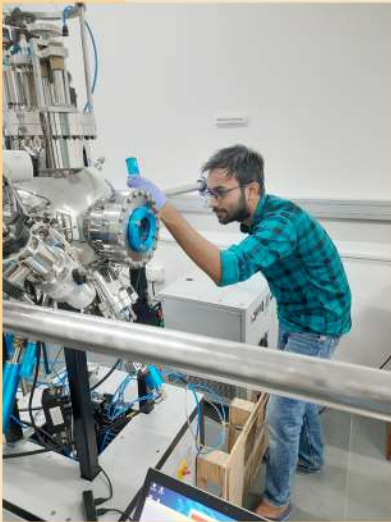


HOT MOUNTING



HYDRAULIC PRESS

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**MAGNETRON SPUTTERING
SYSTEM WITH
RF AND DC CAPABILITY**



VACUUM HOT PRESS



VERTICAL CREEP MACHINE



DSC



**CARL ZEISS - SUPRA 40
FE-SEM**



TUBULAR FURNACE

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ARC MELTING FURNACE



ATM POLISHING MACHINE



AUTOCLAVE



INCUBATORS

RESEARCH FACILITIES



ROCKWELL CUM
BRINELL HARDNESS TESTER

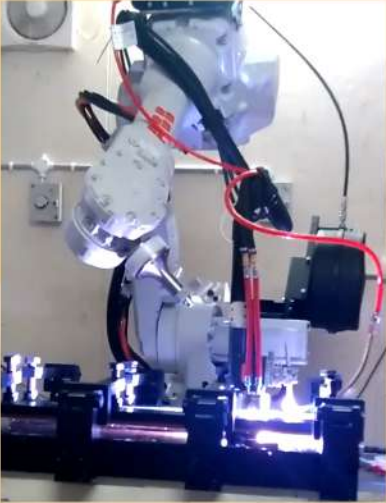


AUTOMATIC POLISHING &
GRINDING MACHINE



OPTICAL MICROSCOPY

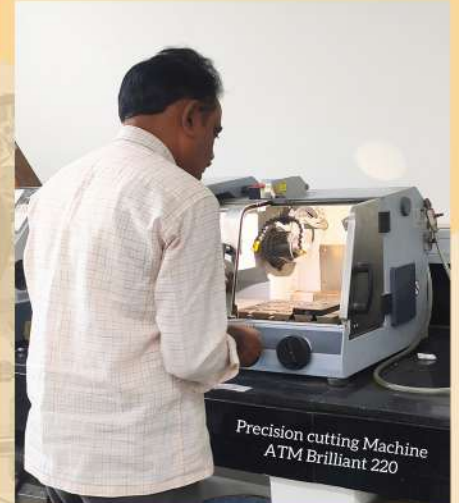
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**ROBOTIC ARM TIG & MIG
WELDING MACHINE**



MICRO HARDNESS TESTER



**PRECISION CUTTING
MACHINE**



DIAMOND WIRE SAW



JAR MIXTURE



LOW SPEED SAW