

Resource Summary Report

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Northwestern University Materials Characterization and Imaging Core Facility

RRID:SCR_017947

Type: Tool

Proper Citation

Northwestern University Materials Characterization and Imaging Core Facility
(RRID:SCR_017947)

Resource Information

URL: <http://matci.facilities.northwestern.edu>

Proper Citation: Northwestern University Materials Characterization and Imaging Core Facility (RRID:SCR_017947)

Description: Core offers characterization and sample preparation equipment. Characterization techniques include optical microscopy, thermal imaging, thermal analysis (DSC, TGA), hardness testing (Vicker, Knoop, Rockwell), electronic characterization (Hall Effect, Impedance Spectroscopy, Kelvin Probe, Charge Transport) and rheological characterization. Sample and surface preparation capabilities include mounting (castable mounts, hot pressure mounting, vacuum impregnation), cutting, sectioning and wafer dicing, polishing/grinding, electropolishing, ion beam milling and cross-sectional polishing. Tube and box furnaces are available with temperature range up to 1700C for thermal processing.

Abbreviations: MatCI

Synonyms: Materials Characterization and Imaging Facility

Resource Type: core facility, service resource, access service resource

Keywords: Equipment, characterization, sample, preparation, optical, microscopy, thermal, imaging, analysis, hardness, testing, electronic, characterization, rheological, surface, mounting, cutting, sectioning, wafer, dicing, electropholishing, ion, beam, milling, thermal, processing, service, core, ABRF

Funding: DMR 1720139

Availability: Open

Resource Name: Northwestern University Materials Characterization and Imaging Core Facility

Resource ID: SCR_017947

Alternate IDs: ABRF_937

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Ratings and Alerts

No rating or validation information has been found for Northwestern University Materials Characterization and Imaging Core Facility.

No alerts have been found for Northwestern University Materials Characterization and Imaging Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.