

# Resource Summary Report

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## Northwestern University Materials Characterization and Imaging Core Facility

RRID:SCR\_017947

Type: Tool

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### Proper Citation

Northwestern University Materials Characterization and Imaging Core Facility  
(RRID:SCR\_017947)

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### 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:** access service resource, core facility, 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

**Record Creation Time:** 20220129T080337+0000

**Record Last Update:** 20260904T000850+0000

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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.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.