

# Resource Summary Report

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## Arizona State University Knowledge Enterprise Eyring Materials Center: PANalytical Aeris Research Edition diffractometer

RRID:SCR\_028604

Type: Tool

### Proper Citation

Arizona State University Knowledge Enterprise Eyring Materials Center: PANalytical Aeris Research Edition diffractometer (RRID:SCR\_028604)

### Resource Information

**URL:** <https://cores.research.asu.edu/materials/equipment/x-ray-diffractometer-powder-malvern-panalytical-aeris>

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**Description:** Malvern PANalytical Aeris Research Edition powder diffractometer is advanced, compact X-ray powder diffractometer (XRD) used to analyze the crystal structure, phase composition, and atomic spacing of materials. Unlike traditional, room-sized lab systems, it is a streamlined benchtop instrument that delivers high-end analytical performance. Provides materials analysis solutions for your powder diffraction needs: operates at 600W (15mA and 40kV) fast Pixel3D 2 dimensional detector 6 sample automatic sample changer high-resolution expansion pack for improved resolution at low angles 2" diameter sample holders adjustable detector parameter for fluorescing samples pattern optimization

**Synonyms:** , Malvern PANalytical Aeris Research Edition, Malvern PANalytical Aeris Research Edition powder diffractometer

**Resource Type:** instrument resource

**Keywords:** compact benchtop instrument, X-ray powder diffractometer, diffractometer, XRD diffractometer,

**Availability:** Commercially available

**Specification URL:** [https://raw.githubusercontent.com/SciCrunch/RRID-Instruments/refs/heads/main/PDF/SCR\\_028604%20research%20edition.pdf](https://raw.githubusercontent.com/SciCrunch/RRID-Instruments/refs/heads/main/PDF/SCR_028604%20research%20edition.pdf),  
<https://raw.githubusercontent.com/SciCrunch/RRID->

[Instruments/refs/heads/main/PDF/SCR\\_028604.pdf](#)

**Resource Name:** Arizona State University Knowledge Enterprise Eyring Materials Center: PANalytical Aeris Research Edition diffractometer

**Resource ID:** SCR\_028604

**Alternate URLs:** Model\_Number\_Malvern\_PANalytical\_Aeris\_Research\_Edition

**Record Creation Time:** 20260624T044607+0000

**Record Last Update:** 20260815T183318+0000

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## Ratings and Alerts

No rating or validation information has been found for Arizona State University Knowledge Enterprise Eyring Materials Center: PANalytical Aeris Research Edition diffractometer.

No alerts have been found for Arizona State University Knowledge Enterprise Eyring Materials Center: PANalytical Aeris Research Edition diffractometer.

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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.