

# Resource Summary Report

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## Texas State University AJA Magnetron Sputter System

RRID:SCR\_028194

Type: Tool

### Proper Citation

Texas State University AJA Magnetron Sputter System (RRID:SCR\_028194)

### Resource Information

**URL:** <https://sro.txst.edu/sro-facilities/sro-nrsc.html>

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**Description:** Our AJA International, Inc. ATC Orion is a thin film deposition system based on physical ablation of target material by five (2RF/3DC) independently powered magnetron sputter sources. Substrates with maximum diameter of 100mm are load lock transferred to main chamber on Molybdenum substrate holder with variety of features including heating, rotation, Z motion, and RF biasing. Main chamber vacuum system consists of turbo-molecular pump, gate valve, mechanical pump, and 3 vacuum gauges. Quartz crystal monitor may be employed internally for rate calibration. Internal interlocks protect system/user from aberrant power, water, and vacuum states. Labview-based computer control allows for process development and automated sequencing. Physical vapor deposition system that deposits uniform thin films using magnetron sputtering in controlled vacuum environment.

**Synonyms:** , AJA International, Texas State University Magnetron Sputtering System, Inc. ATC Orion Sputter Coater

**Resource Type:** instrument resource

**Keywords:** Thin film deposition, nanofabrication, sputtering, thin films, PVD, deposition, coating

**Availability:** Open

**Resource Name:** Texas State University AJA Magnetron Sputter System

**Resource ID:** SCR\_028194

**Record Creation Time:** 20260327T054533+0000

**Record Last Update:** 20260801T191424+0000

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## Ratings and Alerts

No rating or validation information has been found for Texas State University AJA Magnetron Sputter System.

No alerts have been found for Texas State University AJA Magnetron Sputter System.

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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.