

SPIN-COATER

Photo of Instrument:



Instrument Name	Spin-Coater
Instrument Model & Serial No.	Model: WS-650Mz-23NPPB Sl. No : 21551
Instrument Make	Laurell Technologies Corporation, North Wales
Category of Instrument	Sample preparation, Thin film deposition
Description of Instrument	Spin coating involves accurately dispensing a liquid, onto a substrate, then spinning to achieve a uniform, defect-free film. WS-650Mz spin coater provides uniform thin films on various substrates even at its maximum rated speed.
Instrument Technical Description and Major Specifications (This Specifications Limited to Major 5)	<ul style="list-style-type: none"> • Speed: Up to 12000 RPM with an accuracy of 1 RPM • Acceleration: Up to 10,000 RPM • Spin Time: 1 second to 90 minutes • Instrument has the ability to perform spin coating with different steps in a single process. • Can accommodate up to 150 mm wafers and 5" × 5" (127 mm × 127 mm) substrates.

Department of Physics, NIT Calicut

Application of Instrument (Limited to Major 4 or 5)	Uniform thin film coating on various substrates.
Type of Sample Required for Analysis / Testing (Quantity, Pre-Preparation, State etc.) Guidelines for Sample Submission – User Instructions	Liquid/Solution
Types of Analysis / Testing	Spin coating, Thin film deposition
Faculty In-Charge Name / Email / Contact	Dr. Vari Sivaji Reddy Associate Professor Department of Physics, NIT Calicut <i>sivaji@nitc.ac.in</i>
Technical Staff Name / Email / Contact	Anjali C Email: <i>anjalic@nitc.ac.in</i>
Location of Instrument	Room No: PH 105 Department of Physics
Other Details	--

User Charges:

S.NO.	Type of Analysis / Testing	Internal - within Department of NITC	Internal - Other Departments NITC	External Academic Educational Institutes	National R&D Labs	Industry
1	Thin Film Coating	50 per sample	50 per sample	100 per sample	150 per sample	200 per sample

Slot Booking and Payment Work Flow: