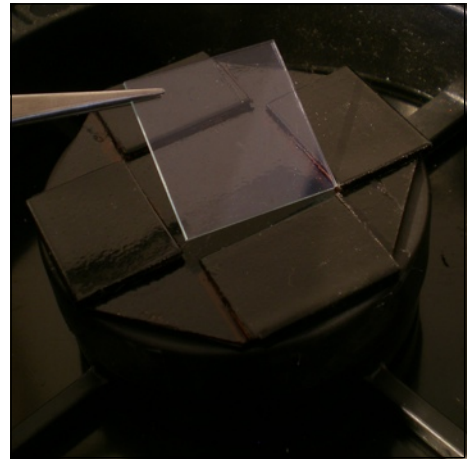


Spin Coater Product Data Sheet

Version 2

This basic spin coater is for depositing layers on 25x25mm substrates. This fast process results in an even film thickness of a 100-500nm across a substrate.



Benefits Of Spin-Coating

1. Low cost
2. Film thickness as low as 100nm
3. Variable speed for variable film thicknesses
4. Spin-coater design to hold 25 x 25mm substrates
5. Calibrated speed steps

How Spin Coating Works

Spin coating is a means of depositing a thin film, on a flat substrate that is uniform across its surface. The substrate is spun at high speed in a horizontal plane. The fluid is deposited before, or whilst the substrate is spinning. The deposited fluid and is spread across the substrate by centrifugal force.

The thickness of the film on the substrate depends on a number of parameters:

1. Rotational speed of spin-coater
2. Spin time
3. Fluid's volatility
4. Fluid's viscosity
5. Surface wetting on substrate
6. Fume extraction
7. Temperature

For repeatability, these parameters should be controlled and monitored. For the OLED development kit, where initial edification are sought, accurate control of the parameters is not essential.

The spin coater has 12 calibrated speeds from 200rpm to 1960rpm in 160rpm steps.

Polymertronics' Expertise

Polymertronics' products are designed to be out-of-the-box and simple to use. The product range is for businesses and educators who want to understand OLED technology and to develop products for market:

1. Flexible, rigid and inkjet printable OLED Science Kits for experimenting with OLEDs
2. Ultraviolet curing expertise and equipment for printable electronics
3. Electronic drivers for optimizing OLED performance
4. Solid state lighting development products and expertise
5. Full product development capability for applications
6. *Center-Point* for finding resources and answers to queries

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Note₁ : Polymertronics reserves the right to amend this product's specification and/or look of the product without updating this data sheet.

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