

# KIBRON LayerX Pro – Dip Coater

## PRECISION DIP COATING



Kibron's LayerX Pro is a precision dip coater facilitating thin film deposition on a variety of different substrates. Our flexible dip coaters may be used standalone or in combination with our Langmuir instruments. Simple connection of the dip coater to a laptop or PC is enabled via a USB port.



Ingeniously designed removeable clamps for easy cleaning are supplied with the dip coater for both Langmuir Blodgett and Langmuir Schaeffer techniques. In each configuration the dipping angle may be flexibly adjusted by rotating the arm of the dip coater.

The base support has M6 mounting holes for securing on the Microtrough Gx base, or any standard optical bread-board. When used with older MicrotroughX series the dipper is on a separate stand.

The dipper is delivered with clamps for both Langmuir-Blodgett and Langmuir-Schaeffer deposition.

- Langmuir-Blodgett: The Dip Coater clamp holds the substrate in vertical position suitable for Langmuir-Blodgett dipping.
- Langmuir-Schaeffer: The substrate is held perpendicular to the axis of the clamp suitable for the (horizontal) Langmuir-Schaeffer mode.



## DIPCOATERS CAN BE SUPPLIED WITH A STANDALONE BASE OR WITH 25 MM X 25 MM BREADBOARD STANDARD



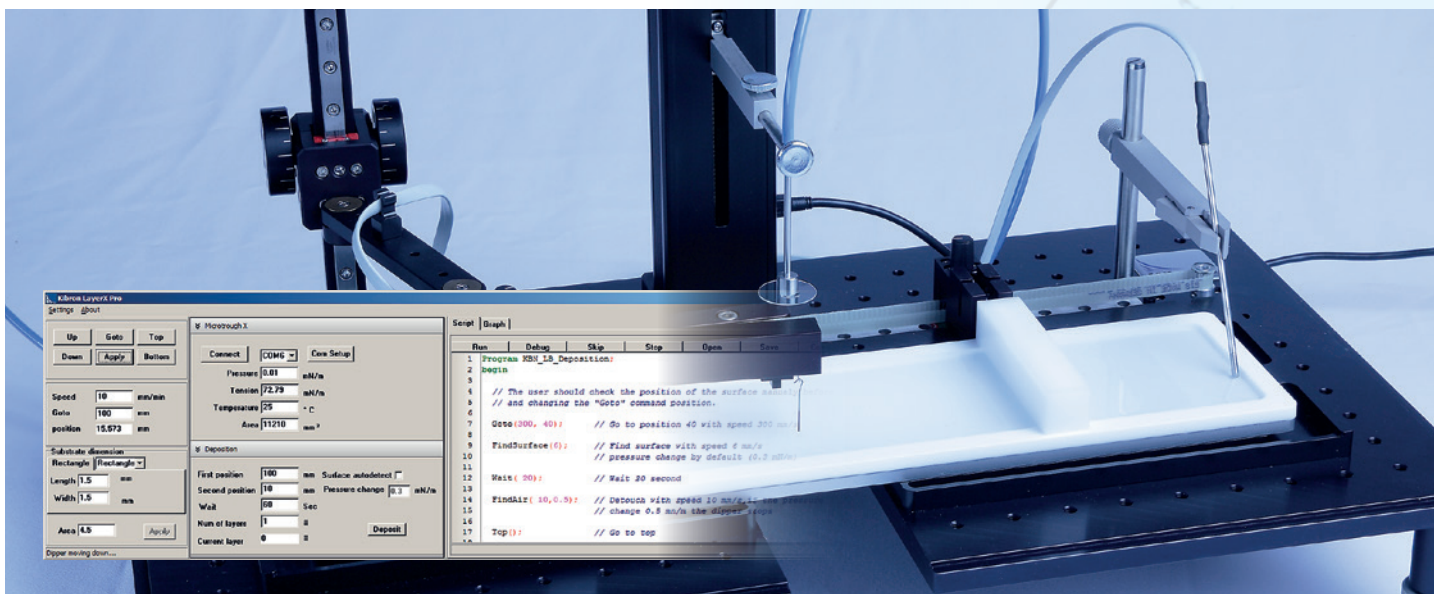
### FEATURES & BENEFITS



| PRODUCT SPECIFICATIONS     | Small         | Large          |
|----------------------------|---------------|----------------|
| Dipping range (mm)         | 90            | 134            |
| Speed range (mm/min)       | 0,06 – 300    | 0,06 – 300     |
| Weight (kg)                | 0,5 kg        | 1,5            |
| Dimensions, H x W x L (mm) | 165 x 55 x 35 | 275 x 125 x 75 |
| Substrate thickness:       | 0-3 mm        | 0-3 mm         |
| Maximum sample load        | 200 g         | 500g           |
| Power supply               | USB           | USB            |

Stainless steel vacuum holder for flat substrates.

Please contact us for a quote for your specific needs.



The Layer X Pro Dip Coater software offers a wide range of available commands as well as a script language for user programming & bespoke experiments. Specific event based control or triggering is available within the software as it interfaces directly with the Microtrough control output data. Detection of the substrate touching the liquid surface by following the surface pressure sensor can act as an event change and subsequently allow a change in operation of the dip coater. This is just one illustration of the software and Dip Coaters flexibility.



MORE TOOLS, PLATES, TROUGHS AND OTHER ACCESSORIES ON [WWW.KIBRON.COM](http://WWW.KIBRON.COM)



Kibron designs, engineers and manufactures world class tensiometers and Langmuir-Blodgett troughs as well as customer specified surface chemistry equipment. Since its founding, 1994, Kibron has focused on innovation, user benefits and dependable service.

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