

Desktop Vacuumless Spin Coater: Max. 8000 rpm, 4" Wafer (Ar gas Compatible) - VTC-50A




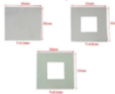


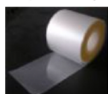












VTC-50A is an *economic* desktop Spin Coater with a vacuumless chuck that is designed for the quality coating of sol-gel at the lowest cost. **By using grooved spinning templates** to hold samples on the rotating plate, the instrument provides the advantages of cost-effectiveness and ease of maintenance. Complete accessories are included for immediate use.

(Upgraded to Vacuum-free sample holder since 5/22/20)

(Upgraded to 24VDC power input since 09/10/2020)

SPECIFICATIONS:

Working Voltage 	<ul style="list-style-type: none"> • 24 VDC • A 110 - 240 VAC to 24 VDC(50/60Hz) NRTL Certified power adapter for worldwide use is included.
Structure 	<ul style="list-style-type: none"> • Heavy-duty Aluminum casting case to keep spinning stably • 24VDC motor • Ar gas compatible for use in a glovebox
Spin Plates 	<ul style="list-style-type: none"> • The Chamber size is 134mm diameter, can accept wafer sample 4" diameter at Max. • A 4" PTFE spin plate with the groove of 50x50mm is included, which can hold 50 sq mm, 0.3 mm thin sample plate in place during fast-spinning, <i>so-called vacuumless holder</i> • 7 pcs of 0.3 mm thickness nylon plate is included for holding irregular samples with double-sided tape or carving, please watch the video for more details. • One roll of 3M removable double-sided tape (3/4" W x 400" L) is included for immediate use • Please click here to learn how to mount samples on the plate by using removable double-sided tape. It is easy and more economical than vacuum chuck. • You may use a 50x50mm blank (included) plate to make different groove via a knife to fit your sample, or make an order space grooved plate from us. (Pic. 2-3) • You may order a wafer bonding tape to stick large substrate to the spin plate by clicking the pic. 4below: <div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div style="text-align: center;">  Pic. 1 </div> <div style="text-align: center;">  Pic. 2 </div> <div style="text-align: center;">  Pic. 3 </div> <div style="text-align: center;">  Pic. 4 </div> </div>
Spin Speed & Time	<ul style="list-style-type: none"> • Digital control panel with TWO programmable segments for different spin times and speeds • Spinning speed: 500 - 8000 RPM • Spinning Time: 1 - 60s

Liquid Injecting	<ul style="list-style-type: none"> One 20 mL syringe is included for liquid injection Support rod and swing-arm for the injector is included for easy coating The syringe holder height can be adjusted and rotated freely along the support rod
Optional	<ul style="list-style-type: none"> You may choose Precision Electronic Single Channel Pipette: 20 - 200uL for accurate coating (Click Pic 1) Using plasma cleaner to treat the substrate surface before the coating can improve the film quality You may consider our new product: Heatable syringe (Click Pic 4) <div>  - Pic 1  - Pic 2  - Pic 3  - Pic 4 </div>
Product Dimensions	13"(L) x 10"(W) x 7"(H)
Net Weight	30 lbs
Compliance	<ul style="list-style-type: none"> CE certified only NRTL or CSA certification is available upon request at the extra cost
Warranty 	<ul style="list-style-type: none"> One year limited with lifetime support Rusting and damage due to improper storage condition or maintenance are not covered by warranty
Operation Video	<div>    </div> Request More Info
Application Notes	<ul style="list-style-type: none"> In order to achieve optimal coating quality, please consider cleaning substrates by a plasma cleaner (click picture below for more details) prior to coating. This will significantly reduce the surface tension on the substrates. You may place the compact spin coater into a glove box to operate in inert gas Cleaning instruction for the spin coaters. <div>   </div> <p>Click the picture to choose vacuum chunk spin coater</p>
Warnings	<ul style="list-style-type: none"> Do not overflush the water bowl/base with any kind of liquid. Excess liquid will leak into the motor shaft and cause damage. Please use fabric cloth to wipe out the residues remain in the bowl/base. If necessary, turn on the water outlet when flushing the water bowl/base to avoid liquid overflowing during the operation. For more details about the cleaning procedure, please review the cleaning instruction for the spin coaters.
Shipping Dimensions	20"(L) x 15"(W) x 20"(H)
Shipping Weight	60 lbs

STANDARD PACKAGE:

Item #	Description	Qty
1	VTC-50 Desktop Spin Coater	1
2	4" Dia. Spindle Plate (one installed and one included in the package)	2
3	Plastic Cover for operation safety	1
4	20mL Syringe for dropping coating solvent on the plate	1
5	Drain Hose for disposing of wastewater	1
6	Removable Double Side Tape for sticking substrate onto the spindle plate	1
7	Tools (Carving Blade, Files, Ruler, Hex Keys)	1 Set