

**Instructions for Pin Tool Dryer
VP 904A**

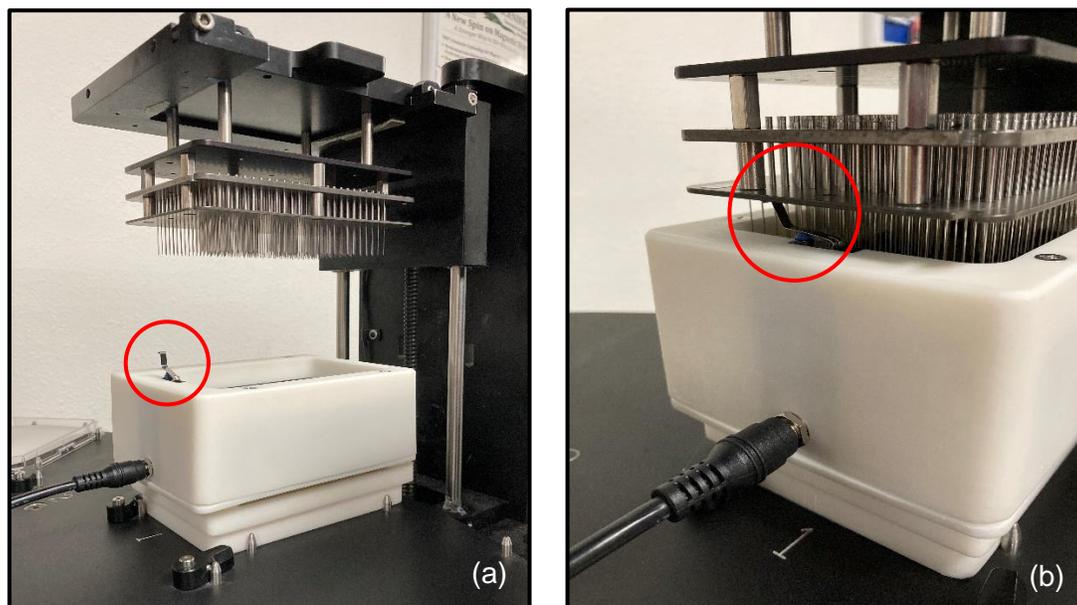
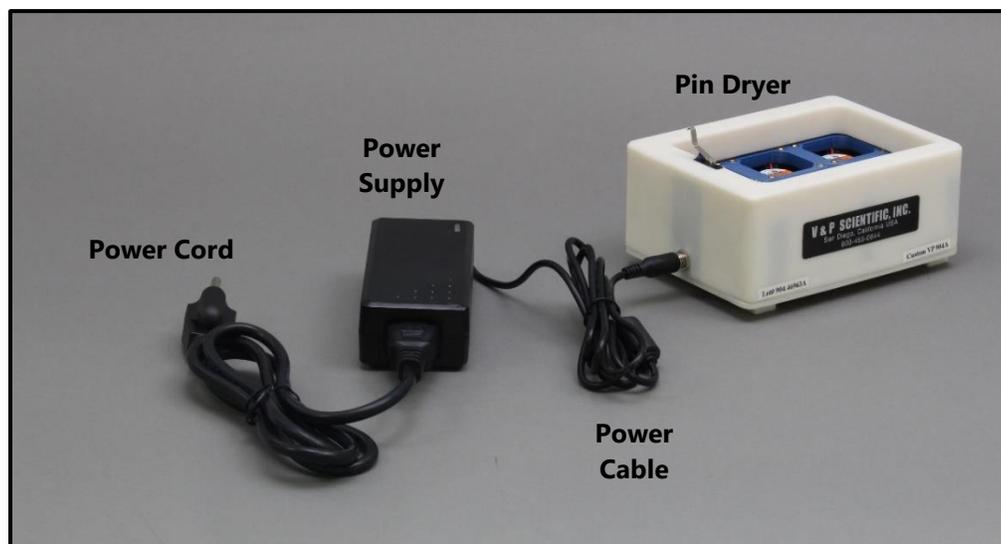


Figure. 1. (a) VP 904A series Pin Tool Dryer shown on VP 903B Pin Tool Robot with Pin Tool positioned above Dryer (b) Pin Tool positioned with pins in opening of Pin Tool Dryer and activation switch (red circle) depressed by Pin Tool.

SETUP

1. Connect the parts of the Pin Tool Dryer.



2. Plug power cord into a power receptacle, 100-240 Volts, 50/60 Hz.
3. Locate VP 904A series Pin Tool Dryer to Automated Liquid Handler deck by positioning Dryer feet in a microplate position (Fig 2).



Fig. 2. The feet of the VP 904A Pin Tool Dryer have SLAS dimensions.

4. Register Pin Tool to the Dryer using the programming features of the Automated Liquid Handler so that the pins do not touch the Dryer and the activation switch contacts the bottom float plate of the Pin Tool.

USE

1. The Pin Tool Dryer is turned on when the activation switch is pressed down by the Pin Tool.
2. It is recommended that only alcohol be the liquid on the pins for use in the Pin Dryer.
3. How long to leave the Pin Tool in the Dryer depends on the type of alcohol, the size and number of pins and if the pins have slots. Duration of drying can be reduced by blotting the pins on a Blotting Station VP 540DB prior to using the Dryer.

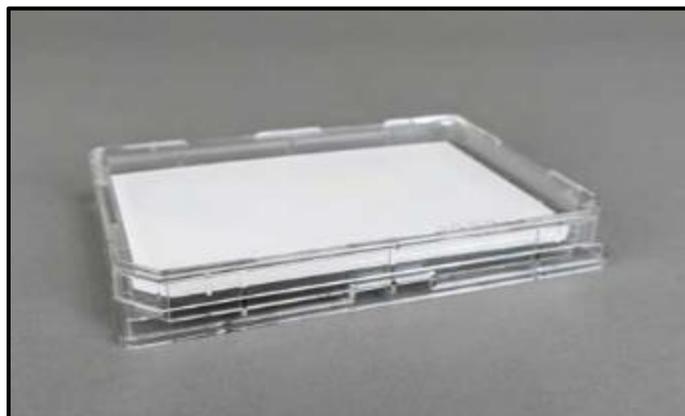


Fig. 3. VP 540DB Heavy Duty Blotting Station.

CARE

The Pin Tool Dryer is made of 3D printed photo-resin. To clean, wipe down with a mild detergent on a damp cloth followed by water, being careful to not introduce liquid into fan area, power connection or switch. For chemical compatibility of the photo-resin please contact V&P Scientific.

SAFETY PRECAUTIONS

The use of motor controls, like that of all utilization of concentrated power, is potentially hazardous. The degree of hazard can be greatly reduced by proper design, selection, installation, and use, but all hazards cannot be completely eliminated.

The following safety precautions must be observed during all phases of installation, operation, service, and repair of this motor control product. Failure to comply with these precautions or with specific warnings elsewhere in this manual violates safety standards of design, manufacture and intended use of the products. V&P Scientific assumes no liability for the customer's failure to comply with safety requirements and practices.

WARNING
To avoid personnel injury caused by electrical shock, do not remove the cover of the controller when the power is ON.

CAUTION
Do not disconnect motor during operation. Otherwise, over-current breakdown may result.

WARRANTY

V&P Scientific, Inc. warrants this product to be free from defects in material and workmanship when used under normal laboratory conditions for one year. This warranty begins on the date of delivery from V&P Scientific.

In the event this product fails under normal laboratory conditions within the specified period of time because of a defect in material or workmanship, V&P Scientific will, at its option, repair or replace the product. Damage to the product caused by user negligence is not covered.

Please keep the special shipping carton in case the unit needs to be shipped back to V&P Scientific. Please contact V&P Scientific at the above address for return authorization and shipping instructions.

This warranty is made in lieu of other warranties expressed or implied including the warranties of merchantability and fitness for a particular purpose. V&P Scientific shall not be liable for loss or damages arising from the use of these products nor for consequential damages of any kind.

TECHNICAL ASSISTANCE

If technical assistance is required, contact: V&P Scientific, Inc. at 858-455-0643 or sales@vp-sci.com