

VeneerSupplies.com
Project:CRS™
VACUUM PRESSING SYSTEM

Thank you for purchasing the Project CRS™ Vacuum Pressing System. When combined with a vacuum pump, you'll find it a versatile and practical addition to your arsenal of tools. The system is designed for woodworkers looking for a simple and affordable method of veneering wood panels and clamping wood projects for routing, sanding and carving. With an integrated bleeder valve, the system is fully adjustable from 840 to 1,750 lbs of pressure per square foot.

We hope you will find the assembly process very easy. This guide will help get your vacuum press put together as quick as possible. As always, please feel free to contact us through our website at VeneerSupplies.com if you have any questions.

Kit Contents



Thread-Sealing
Tape



Heavy-Duty
Vacuum Tube



Lock-On Vacuum
Connector



Long Brass Pipe
(2")



Vacuum
Valve



Heavy Duty
Vacuum Gauge



Vacuum Bleeder
Fitting



Short Brass Pipe
(1")



1/4" NPT Brass
Barb Fitting



Brass Cross
Fitting



High-Flow
Vacuum Filter



1/8" NPT Brass
Barb Fitting

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Governing Law

The arbitrator shall be agreed upon by the parties and the arbitration shall take place in Harford County, Maryland in accordance with Maryland law.

Procedure

If the parties cannot agree on a mutually acceptable arbitrator, the arbitration will be conducted through the American Arbitration Association ("AAA") and in accordance with its rules. The AAA's rules are available to view at <https://www.adr.org>. Both parties agree to equally share the administrative expense of the arbitration, unless the arbitrator finds that the claim was brought in bad faith and orders one party to pay the cost of the proceedings as part of the arbitration award. Both parties are responsible for paying the costs of their own counsel, experts, and witnesses. Judgment on the award rendered by the arbitrator may be entered in any court having jurisdiction thereof. Before commencing an arbitration under this Agreement, the aggrieved party will first present the claim or dispute to the opposing party by (certified mail, regular mail). Our notice address to submit claims or disputes is: JWW Services Inc., 217 E. Jarrettsville Rd., Suite 5, Forest Hill, MD 21050. If the claim or dispute is not resolved within 90 days, the aggrieved party can commence arbitration proceedings in accordance with this Agreement.

Class Action Waiver

All arbitrations conducted under this Agreement shall be conducted only on an individual (and not a class-wide) basis; and an arbitrator shall have no authority to award class-wide relief. Your use of this document indicates your acceptance that this Agreement specifically prohibits you from commencing arbitration proceedings as a representative of others or joining in any arbitration proceedings brought by any other person.

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This warning is provided to comply with California's Proposition 65 (Assembly Bill 1953) product labeling law and may apply to other states. Brass fittings and other products may contain chemicals known to the state of California to cause cancer, birth defects or other reproductive toxicity. Brass fittings may contain lead and are not for use with potable water. As with any product of this nature, we recommend washing your hands after contact with brass parts. We provide this warning based on our knowledge concerning the possible presence of one or more such chemicals, without attempting to evaluate the level of exposure. Visit www.p65warnings.ca.gov for details.



Before You Begin

Vacuum Gauge Inspection – IMPORTANT!

The vacuum gauge is a sensitive measuring instrument containing a fragile sensing spring inside. Handle the gauge with care; do not drop it or allow a hard object such as a wrench to collide with the gauge. Open the vacuum gauge packaging now and make sure the gauge needle is resting at the zero position. If not, cut the rubber tip off the top of the gauge with scissors. That will often allow the gauge needle to drop to the zero mark.



Do not attach the gauge to the assembly if the needle is not at zero. Stop and contact us immediately so we can help with this issue. We cannot help resolve this issue once the gauge has been installed on the vacuum press assembly.

A Note About Thread Sealing Tape

All metal-to-metal connections must have sealing tape applied to the male threads. Start the process of applying thread sealing tape by holding the fitting in your right hand. Then apply the end of the tape to the threaded portion of the fitting and rotate the fitting clockwise. The fitting should be rotated in the same direction as if it were being inserted into another fitting. No more than three layers of tape should be applied to the fitting.



Brass Parts Warning

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As with any product of this nature, you should wash your hands after contact with brass parts. We provide this warning based on our knowledge concerning the possible presence of one or more such chemicals, without attempting to evaluate the level of exposure.

Not Suitable for Use Near Flammable or Combustible Materials

The individual components of this kit and the completed assembly of these components should not be considered suitable for use in areas where flammable or combustible gases or dusts are present.



Assembly

1. Apply thread sealing tape to each brass fitting including the vacuum bleeder and vacuum gauge.

Two or three layers of tape should be applied to the fitting in the direction of the threads. Hold the fitting in your right hand. Apply the starting end of the tape to the top threaded portion of the fitting and rotate the fitting away from you. The fitting should be rotating in the same direction as if it were being inserted into another fitting.

Thread sealing tape is not shown in the assembly pictures below for the sake of clarity.

2. Loosely attach the long brass pipe to the intake of the vacuum pump.
3. Attach the brass cross and tighten it firmly. This will also tighten the long pipe from the step above. After the brass cross begins to become snug, continue turning until the fitting is oriented horizontally as shown.
4. Loosely attach the side of the short brass pipe with thread sealing tape to the brass cross. It is attached to the opposite port of the long pipe.
5. Attach the vacuum filter to the side of the short brass pipe this is without thread sealing tape. Note the arrow on the top of the filter. This arrow should be pointing toward the pump. Do not over-tighten the filter. Even when the filter is less than hand tight, it will still provide a reasonably air-tight seal. "Gently snug" is adequate. The final position of the filter should be the 6 o'clock or vertical position.
6. Attach the vacuum gauge to the top port on the brass cross. Do not apply force to the gauge housing. Use a 9/16" wrench on the base of the gauge to prevent damage.
7. Attach the vacuum valve to the bottom port of the brass cross using a 5/8" wrench. After the valve is snug, continue turning the fitting until the handle is facing upward.
8. Attach the bleeder fitting to the vacuum valve with a 9/16" wrench.
9. You can now turn the entire brass assembly so the gauge is angled up by 40°. This will make it easier to see the gauge when the system is in use.
10. Using 9/16" wrench, attach the ¼" NPT brass barbed fitting to the filter's intake. Do not over-tighten this fitting. "Gently snug" is adequate.
11. Slide the vacuum tube onto the barbed fitting on the vacuum filter.
12. Attach the 1/8" NPT brass barb fitting to the lock-on connector using a 5/8" and 9/16" wrench. This fitting should have thread sealing tape applied to it.
13. Slide the lock-on connector assembly shown above onto the remaining open end of the braided vacuum tube.



Completed Assembly



Your system may appear different from the image shown depending on the vacuum pump you use with the CRS kit.

Warnings

1. Do not allow the vacuum press system to run unattended.
2. The vacuum gauge is a sensitive instrument and will be rendered inaccurate if dropped or struck with a hard object.
3. The vacuum pump may be hot during and after use. Exercise care when handling the vacuum press system.
4. Not suitable for use near flammable or combustible materials!
The individual components of this kit and the completed assembly of these components should not be considered suitable for use in areas where flammable or combustible gases or dusts are present.
5. Brass products may contain chemicals known to the state of California to cause cancer or reproductive toxicity. Visit www.p65warnings.ca.gov for details.





Optional CRS Kit with Podz™ Vacuum Clamping Jigs

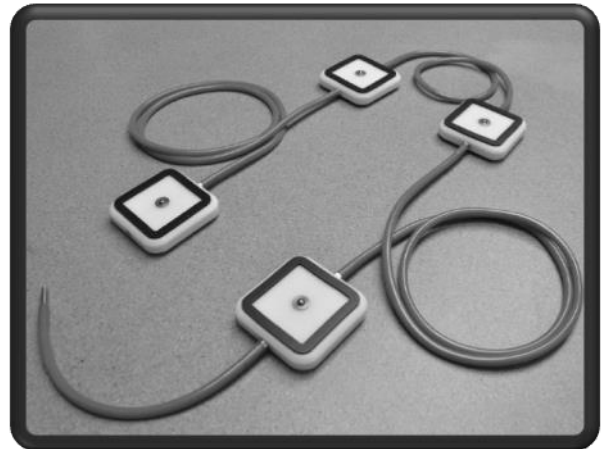
Set Up

If you ordered the CRS kit with the optional Podz™ clamping kit, assemble the jigs using the instructions included with that kit.

Begin preparing the vacuum press system and the Podz jigs for use by attaching the tube adapter from the lead Podz clamping jig to the lock-on connector from the CRS kit vacuum system.

Attach the power cord from the vacuum pump to the end of the power cord on the electric foot pedal included with the Podz clamping kit.

Plug the foot pedal power cord into a standard 120v AC wall socket.



Using the CRS Kit with Podz™ Vacuum Clamping Jigs

Set the vacuum valve about half way between the fully open and fully closed position. Then turn the system on by depressing the front edge of the foot pedal (the area closest to the power cord). Now place your work piece onto the Podz jigs. You should feel the vacuum pull it down.

You may wish to adjust the vacuum valve if the clamping piece is very porous and causes inadequate clamping pressure. Adjust the vacuum valve handle as needed to create an ideal balance of vacuum clamping force and release time.

Slight adjustments toward closing the vacuum valve increase the clamping pressure and decrease the speed at which the project releases from the clamping jigs. Slight adjustments toward opening the vacuum valve decrease the clamping pressure but increase the rate of release when the system is turned off.

Press the back edge of the foot pedal to turn off the vacuum pump and release your project. You may hear the flow of air from the bleeder fitting as the vacuum from the jigs is unloaded.

