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
PLEASE READ THIS SECTION CAREFULLY. IT CONTAINS A BINDING ARBITRATION CLAUSE THAT MAY SIGNIFICANTLY AFFECT YOUR LEGAL RIGHTS, INCLUDING YOUR RIGHT TO FILE A LAWSUIT IN COURT AND TO HAVE A JURY HEAR YOUR CLAIM(S).

The wording “We”, “Us” and “Our” shall herein include JWW Services Inc., JoeWoodworker.com, VeneerSupplies.com, and its representatives, owners, and employees. Your use of this product is governed by the policies, terms and conditions set forth below and such use of the content and principles indicates your acceptance of these terms and conditions. These terms and conditions shall supersede any subsequent terms or conditions. JWW Services Inc. reserves the right to make changes to these terms and conditions at any time.

We do not make representations or give warranties regarding the use of this article. All content is provided for use as is without warranty of any kind. User indemnifies and holds JWW Services Inc. harmless from any and all actions, civil or criminal, claims, liabilities, and losses including our attorney fees, arising out of the use of this instruction set. The contents of this document are to be considered informational only and that which is not from an expert. This document, provided by JWW Services Inc., is non-expert opinion only and offered without warranty. You are solely responsible for your access to, use of and/or reliance on any content. You agree to conduct any necessary, appropriate, prudent, or judicious investigation, inquiry, research, and due diligence with respect to the safe and appropriate use of its contents.

JWW Services Inc. shall not assume any responsibility for any incident, accident, or other harmful occurrence in regard to the information or use of the information contained in this document. No warranty or representation, either expressed or implied, is made with respect to the quality, accuracy, safety or fitness for any part of this document. In no event shall we be liable for direct, indirect, special, incidental, or consequential damages arising from any information contained herein. The user/builder/owner of the system shall assume all risk. The full or partial assembling of this system is an agreement that you will not hold us liable for any circumstances or costs that may arise from the use of these parts and this system.

It is also agreed that we do not provide any form of insurance of fitness of this device for any use: commercial or otherwise. You hereby agree to hold us harmless for any mishap, injury, or untoward occurrence. Users of this document and the equipment described herein do so at their own risk and assume complete responsibility for the use of that information and equipment by themselves or others. We are not responsible for any personal injuries to the user/builder/owner or others associated with its uses, or property damage resulting from building or operating the equipment described herein. Maintaining equipment and evaluating its suitability for a specific situation are the sole responsibilities of the user/builder/owner. You agree to use the information contained in this document at your own risk and to use good judgment during the use of the equipment described in this document at all times and to work safely within your own abilities.

We shall not be held responsible for typographical errors. The products contained in this kit are distributed, but not manufactured, by VeneerSupplies.com.

Resolution of Claims or Disputes
Any dispute or claim between you and Us arising in any way out of the use of this site or any product contained within this site will be resolved by BINDING ARBITRATION, rather than in a court. This obligation applies to both parties, regardless of the legal theory or cause of action involved (tort, product liability, misrepresentation, negligence, etc.). Both you and Us agree to waive the right to bring a lawsuit to be decided by judge or jury regarding any such claims or disputes, and instead agree to have such claims or disputes resolved by an arbitrator.

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.

Severability
If any part or any provision of this Agreement shall be finally determined to be invalid or unenforceable under applicable law, that part shall be ineffective to the extent of such invalidity or unenforceability only, without in any way affecting the remaining parts of said provision or the remaining provisions of this Agreement.

More information can be found at https://www.veneersupplies.com/pages/Legal__Information.html

Copyright
This article contains materials protected under copyright laws of the United States of America as well as International Copyright Laws. All rights reserved. No part of this article may be reproduced, transmitted, or transcribed electronically or otherwise without our expressed written permission. Information presented here and on any JWW Services Inc. website is intended for personal use only. Organizations whether they are profit, nonprofit, clubs, charities, web-based groups or otherwise must obtain express permission from JWW Services Inc. prior to using any material for public demonstration.

Proposition 65 Warning (Assembly Bill 1953) To California and Other Applicable States
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.
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. 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 acceptable.

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.