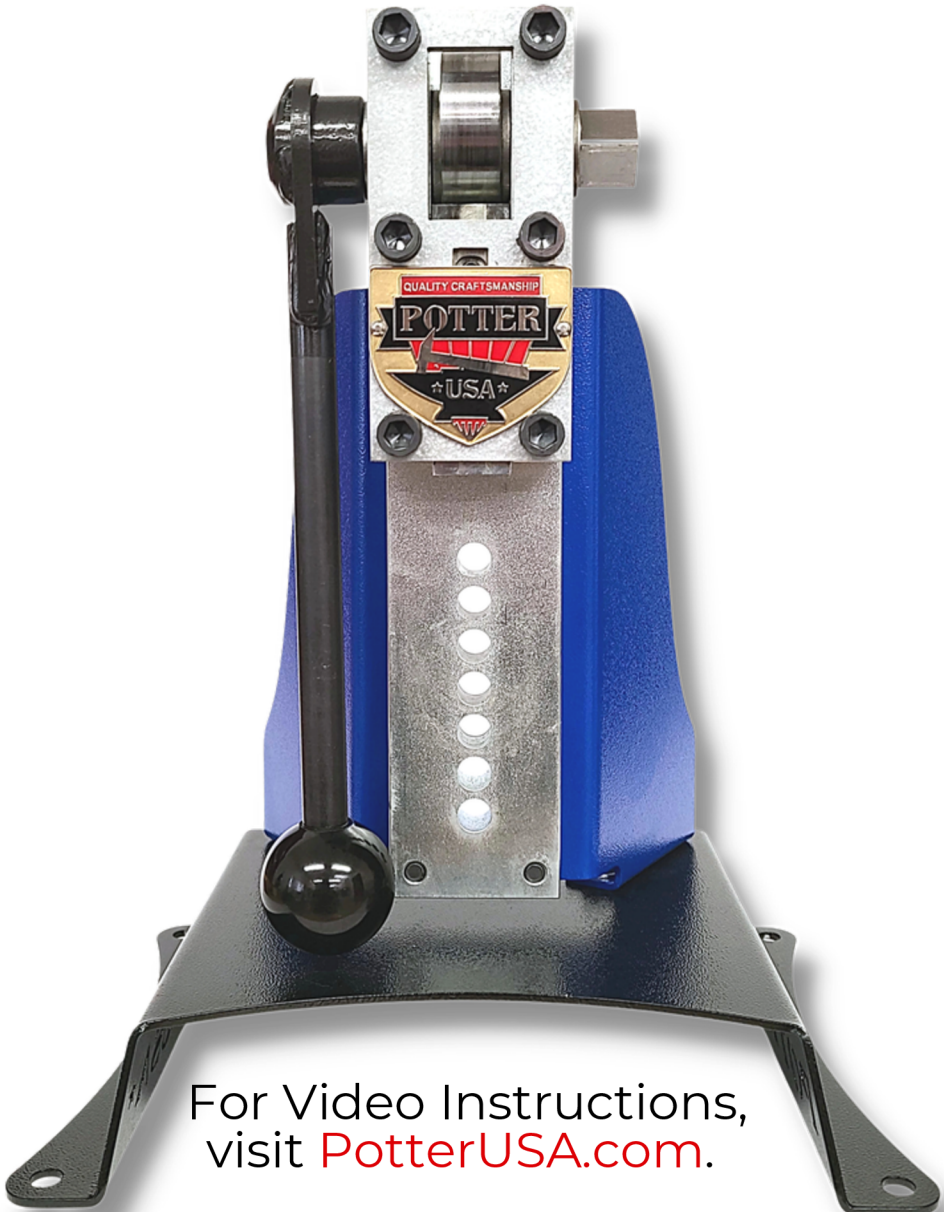




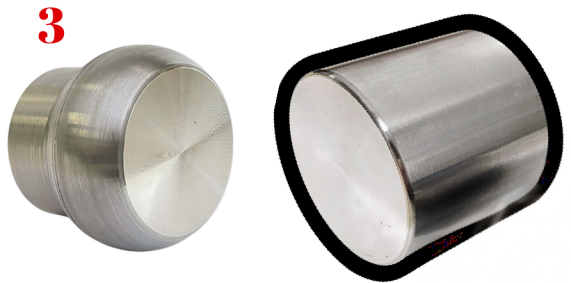
Quick-Form Press Instructions



For Video Instructions,
visit PotterUSA.com.

Kit Includes:

1. Press Body with base and vertical Tool Mounting Plate
2. Removable Handle for left- or right-handed use
3. Large Bracelet Former
4. Small Bracelet Former
5. Urethane Holder with Urethane
6. 4 Washers/Spacers for use with Urethane Holder and Delrin Ring Pushers
7. 2 Shoulder Bolts for mounting tooling onto the Tool Mounting Plate
8. Small Tooling Adapter with Small Former Mounting Bolt
9. Small Synclastic Former
10. Small Anticlastic Former
11. Flat Ring Formers: 1/2" – 7/8" (1.3-2.2cm) diameter; 7 sizes in 1/16" (1.9mm) increments
12. Matching Flat Delrin Ring Pushers
13. 3/4" Allen Wrench (not pictured)
14. Tooling Storage Stand (not pictured)
15. 3/8" or 1/4" drill bit and 4 bolts, nuts, and washers for mounting the press (not included)
16. Grease for maintenance (not pictured)

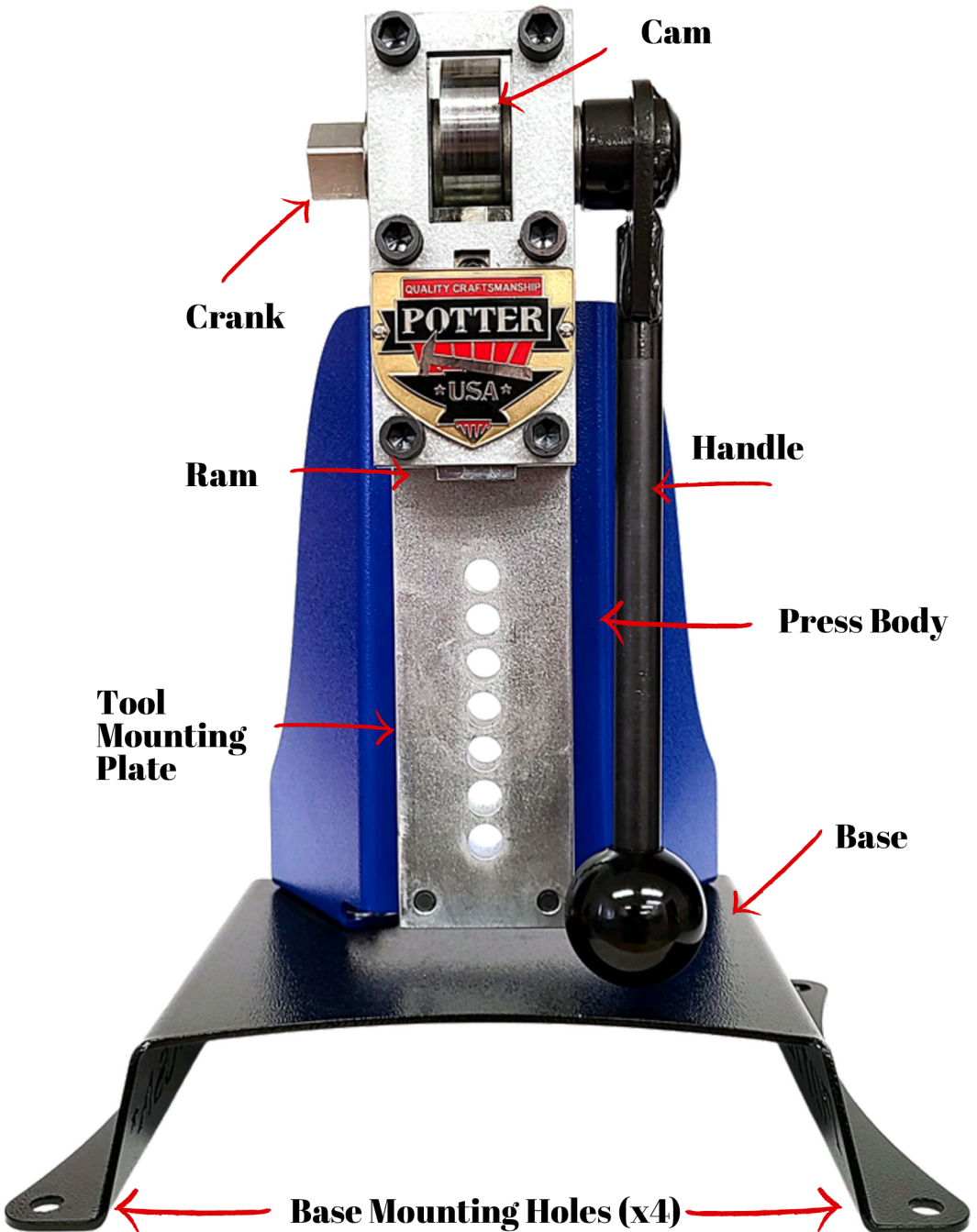


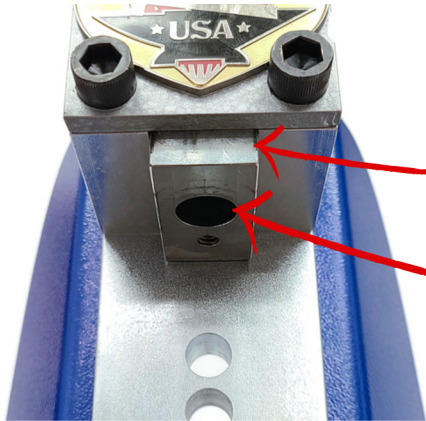
Quick-Form Press Safety



- You **MUST** properly mount the press before use. The press should be properly mounted through its feet to a heavy and stable work surface. The worktable should be solid, strong enough to support the press, and not on wheels. For added security, secure the table to a wall.
- **Do NOT use any of the Quick-Form Press accessories or tooling in a hydraulic press.** It is an entirely different tool and the parts are NOT interchangeable.
- Don't place anything in press that is not approved or recommended by Potter USA.
- Keep children and pets away from the press. Children and pets can easily be injured by heavy falling tools, moving parts, ingesting hazardous materials, etc.
- Keep fingers away from moving parts. Fingers can become pinched or crushed in moving parts if care is not taken.
- Tie back long hair. Hair can get caught and pulled in moving parts.
- Wear ANSI approved safety eye and face protection when operating the press. When properly operating the press, nothing should become airborne, but accidents happen. Eye and face protection should be worn to protect against injury.
- **Only use replacement parts obtained from Potter USA.** In order to ensure safety and proper care of your investment in the Quick-Form Press, only use Potter USA replacement parts. Always consult with Potter USA prior to performing any repairs or alterations.
- Never operate the press when you're tired, or under the influence of alcohol or drugs.
- Keep your work area clean. Having a cluttered work area can result in trips or falls, heavy items falling on feet, and other accidents.
- Do not wear loose clothing or jewelry. These items can become caught in moving parts and cause harm.

Parts of the Quick-Form Press





Ram

**Urethane Holder and
Delrin Ring
Pusher
Mounting Hole**



Back View

**Tool
Mounting
Plate**



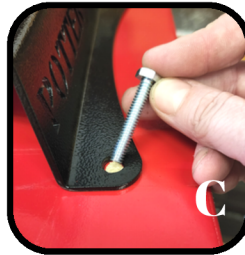
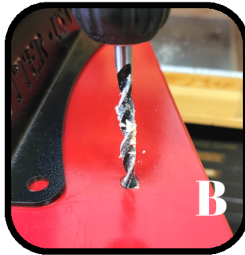
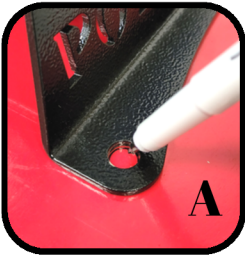
**Shoulder
Bolts**



How to Mount the Quick-Form Press

The Quick-Form Press absolutely **MUST** be mounted to a sturdy work surface!

1. There are four Mounting Holes in the base of the press. Trace the mounting holes onto your work surface where you want to mount the press [A].
2. Use a 3/8" or 1/4" drill bit (not included in kit) to drill a hole at one mark [B]. Insert a bolt to register the press in place [C], then drill a hole at a second mark. Repeat to drill all four mounting holes.
3. From below, add a washer and nut (not included in kit) to each bolt. Hand-tighten the nuts [D].
4. Then, use two wrenches to tighten each bolt and secure each corner of the base [E,F].



Mounting Height Recommendations

Seated: When the Handle is raised vertically, the end of it should be at approx. upper-chest level.

Standing: When Handle is raised vertically, the end of it should be at approx. mid-upper arm level.

PLEASE NOTE: These are only recommendations. You should try out different mounting heights to see what works best for you and allows for the easiest use of raising and lowering the Handle.

Press Handle

The Quick-Form Press handle is what you use to raise and lower the ram in order to form metal using all of the different forming tools.



- The handle is designed to be placed on either side of the crank for left- or right-hand use.
- The handle does not have a stop to prevent it from swinging forward or backward if raised past its apex. Carefully lower handle or remove it after each operation.
- Remove the handle from the press before adding, removing, or changing formers. This will keep vertical pressure off the former and make the tools easier to change.

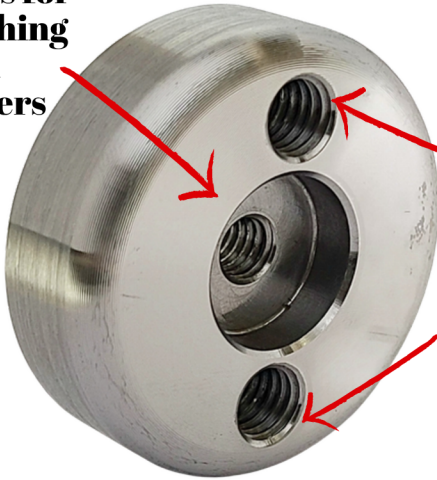
- The handle does NOT automatically raise. Lift the handle after each pressing.
- If you're having trouble getting enough leverage, remove the handle from the square crank, adjust the handle 90°, and try again. Each former will require a different handle position based on personal preference.



Small Tooling Adapter

Use this adapter to mount all small formers, including ring formers, to the press.

Recess for Attaching Small Formers



Threaded Mounting Holes for Shoulder Bolts



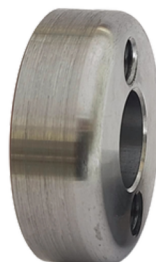
Use 2 Shoulder Bolts to attach the Small Tool Adapter to the appropriate holes in the Tool Mounting Plate for each small Former



Insert Bolts from Back of Press

Use With:

- Small Bracelet Former
- Ring Formers

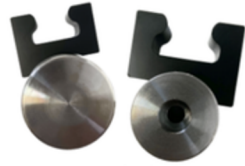


Each Small Former has a 3/4" (19mm) flange. Insert the flange into the Small Tool Adapter, and secure it in place with the Small Former Mounting Bolt





How to Mount the Flat Bracelet Conformers



The Flat Bracelet Formers are mounted onto the Former Adapter, and then inserted into the hole in the center of the Ram and are used with the Small and Large Flat Bracelet formers.

Mounting the Flat Bracelet Conformers

Always insert the Former Adaptor into the Ram before mounting any formers to the Tool Mounting Plate!

1. Push the Former Adapter by hand up into the Ram until it doesn't fall out [A]. It will stay in place but will not be tight. A little movement up and down is normal. A rubber O-ring gives the Holder enough tension to hold it in place.
2. When using the Small (1.5") Flat Bracelet Conformer, add two spacers to the Former Adapter before inserting it into the Ram [B].
3. When using the Large (2") Flat Bracelet Conformer, no spacers are needed.
4. The delrin Flat Bracelet Conformers slide on and off of the Former Adapter [C].
5. When using the Flat Bracelet Conformers, feed metal in from the shorter side of the conformer [D].



Small Flat Bracelet Conformer: 1.5" Radius



Large Flat Bracelet Conformer: 2" Radius



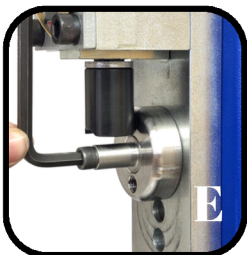
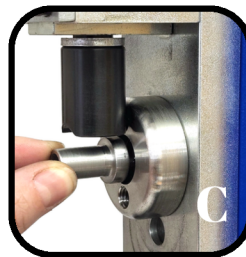
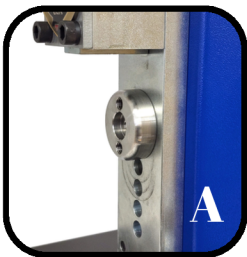
How to Use the Ring Formers

Each ring former and pusher pair is used the same way. Apply these steps to any size ring former, not just the one shown in the photos.



Mount the Ring Formers and Pushers

1. Mount the Small Tooling Adapter to the **1st and 3rd holes** on the Tooling Mounting Plate (page 13) [A].
2. Place one Spacer onto the Delrin Ring Pusher that corresponds with the Ring Former you're using [B]. Push the Delrin Ring Pusher that corresponds to your Ring Former up into the Ram until it doesn't fall out. It will stay in place but will not be tight. A little movement up and down is normal. A rubber O-ring gives the Pusher enough tension to hold it in place. The groove in the pusher should be pointing straight back toward the Tool Mounting Plate.
3. Place the 3/4" (19mm) flange/end of the Ring Former into the Small Tooling Adapter [C].
4. Insert the Small Former Mounting Bolt through the former from the front [D], and use the Allen Wrench to secure the Former [E].

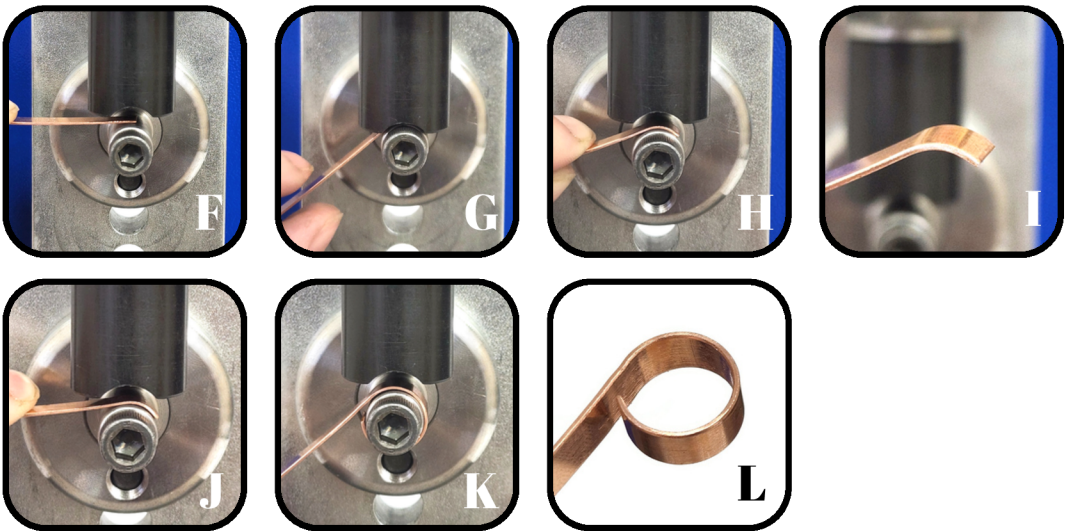


Metal Recommendations

- Gauge: 16-24 sheet; silverware
- Temper: Annealed or hard, depending on personal preference
- Non-ferrous
- Width: 1"

Using the Ring Formers

1. From either the left or right, insert the end of a strip of metal between the ring former and corresponding pusher [F]. Make sure the end of the strip is located where it will be formed on the first pressing. Keep the metal strip straight and parallel to the former.
2. Pull the handle down to form the metal [G]. If you're having trouble getting enough leverage, remove the handle from the square crank, adjust the handle 90 degrees, and try again. Each former will require a different handle position based on personal preference. The handle can be placed on either side of the crank for left- or right-hand use.
3. Lift the handle to raise the pusher [H]. The end of the metal should be formed [I].
4. Move the strip in toward the former approx. 1/8" (3 mm) and press it again [J]. The smaller "steps" you take, the smoother the forming of the metal will be.
5. Keep the strip centered on the former as you feed it from one side to the other [K].
6. Repeat to form the length of the strip [L].



1/2" (1.3 cm) 9/16" (1.4 cm) 5/8" (1.6 cm) 11/16" (1.7 cm) 3/4" (1.9 cm) 13/16" (2.1 cm) 7/8" (2.2 cm)

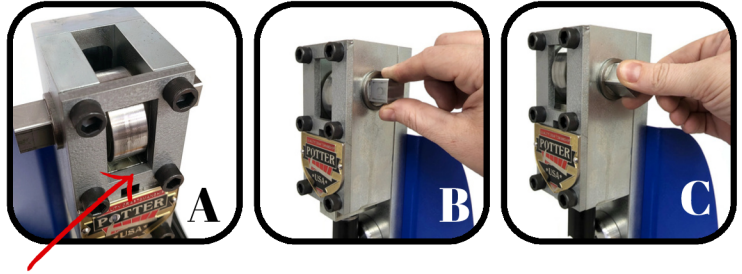


Press Maintenance

To keep your Quick-Form Press operating smoothly, there are a few things you should do to maintain it.

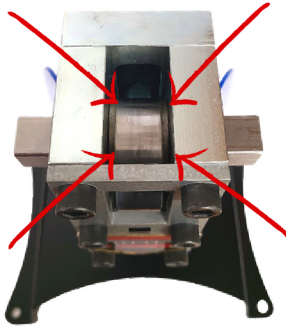
Cam

Add a small amount of machine grease to the center of the cam [A]. Turn the crank by hand a few rotations to evenly spread the grease [B, C].



Ram

From the opening in the top of the press, add a drop of oil on all four corners of the ram, and turn the crank a few times to disperse it.



Cover It

Cover the Quick-Form Press with a cloth or towel when not in use to prevent dust and debris from collecting on the moving parts of the press.

All Potter USA tools are rust-free when they leave our shop in Tucson, AZ, but they may pick up some surface rust during transit to or through more humid environments. Here are some tips and tricks for care and maintenance of any of the steel tools in your shop.

Prevent Rust

To help prevent rust, protect your tools with a light coating of oil. We recommend Boeshield T-9. If you don't have that, any type of oil or grease will work, but avoid food-based oils (olive, avocado, etc.) because they can go rancid. Other options include mineral oil, baby oil, machine oil, hydraulic oil, Vaseline, etc.

Remove Rust

Our favorite rust-removal product? Evap-O-Rust. You can get this at most hardware stores, it's non-toxic, and it's quick and easy to use. Soak the steel in Evap-O-Rust and scrub the surface with a brass brush. We don't rinse after using it, but you can. Be sure to dry the steel thoroughly and add a protective layer of oil to help prevent future rust. Other rust-removal options include steel wool, Naval Jelly, or NEVR-Dull Wadding Polish.

Tips, Tricks, & Troubleshooting

- Are there video instructions? Yes! Visit PotterUSA.com or check out our YouTube channel for how-to instructions. A downloadable PDF is also available at our website.
- Can I use Quick-Form Press tooling in my hydraulic press? NO! The Quick-Form Press is an entirely separate tool, and the tooling is not interchangeable. Only use Quick-Form Press tooling in the Quick-Form Press.
- Can I use pancake dies/silhouette dies/impression dies in the QuickForm Press? NO! Please see above.
- Having a hard time getting enough leverage to form your metal? Take the handle off the crank and place it back on 90° from where you removed it.
- The former doesn't touch my metal...why? Double check that you've added the correct number of spacers/washers to either the Urethane Holder or Delrin Ring Pusher, and make sure you've mounted the tool to the correct holes in the Mounting Plate. See the instructions for the specific tool you're using for details.
- Does your formed metal have an uneven edge? To even out any bumps/lumps/unevenness, take smaller "steps" as you're advancing the metal. You can always go back and forth, forming the same section of metal to refine the form.
- Want to even-out the synclastic or anticlastic forming of your metal? Keeping the strip parallel to the former, slightly shift the metal front to back and press to refine the shape. By taking smaller steps and moving your metal front-to-back and side-to-side, you can smooth out bumps and lumps in your metal.
- What metal temper should I use? You can use annealed or hard metal. Hard metal is better for bracelets because it's sturdy/more durable, but you'll achieve more defined curvature with softer metal. Experiment to see what works best for you. See the "How To" instructions for each type of former for gauge, temper, and metal width recommendations.
- My Quick-Form Press is a different color than the one shown here...what's up with that? The color of the press varies depending on what type of blue our powder-coater has available at the time. Color doesn't matter!

Stay up-to-date with any modifications to these instructions, new tooling, and more by visiting PotterUSA.com, signing up for our newsletter, and joining our Facebook Group, "Potter People-Jewelry Group."



Quick-Form Press

The Quick-Form Press, invented in 2022 by Kevin Potter, combines the power of a kick-press with the ease of use of a hand-operated arbor press. The key to how this press operates is the cam. Unlike an arbor press, which has a linear force that limits the amount of pressure possible, the Quick-Form Press utilizes a cam that allows you to exert maximum force with minimal effort! Whether you're bending rings, cuff bracelets, napkin holders, or silverware, this all-in-one press provides a wide range of tooling for forming metal without the use of a hydraulic press.



Potter USA

1934 East 18th Street, Tucson, AZ 85719

(520) 777-6032

sales@potterusa.com

PotterUSA.com

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