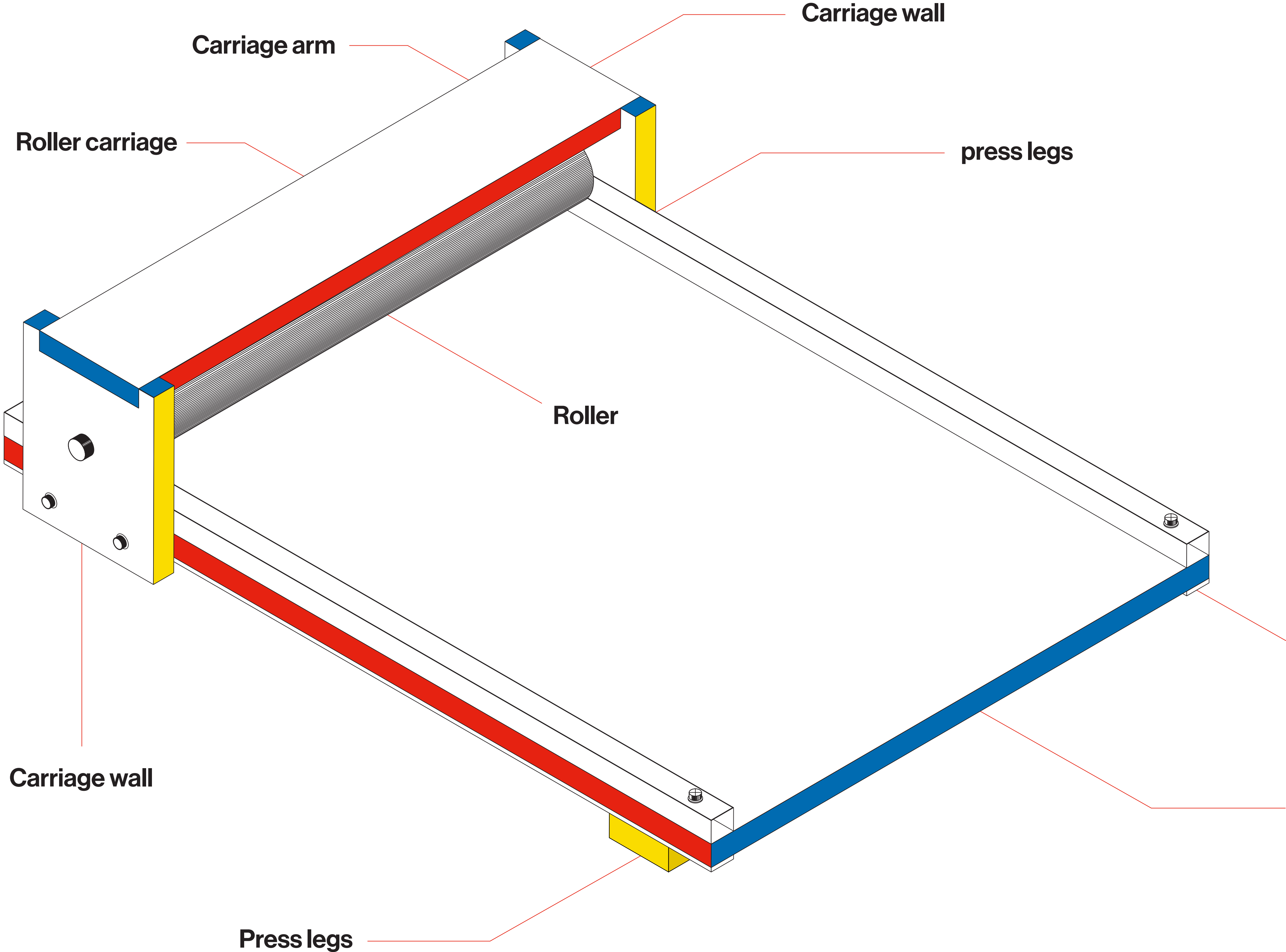
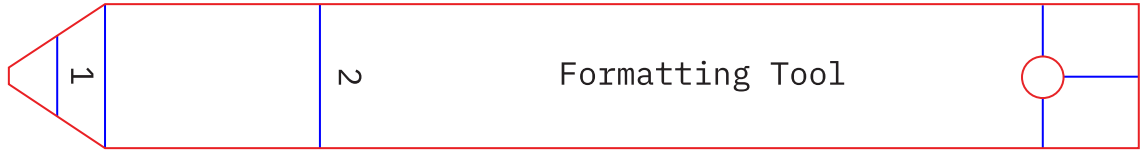
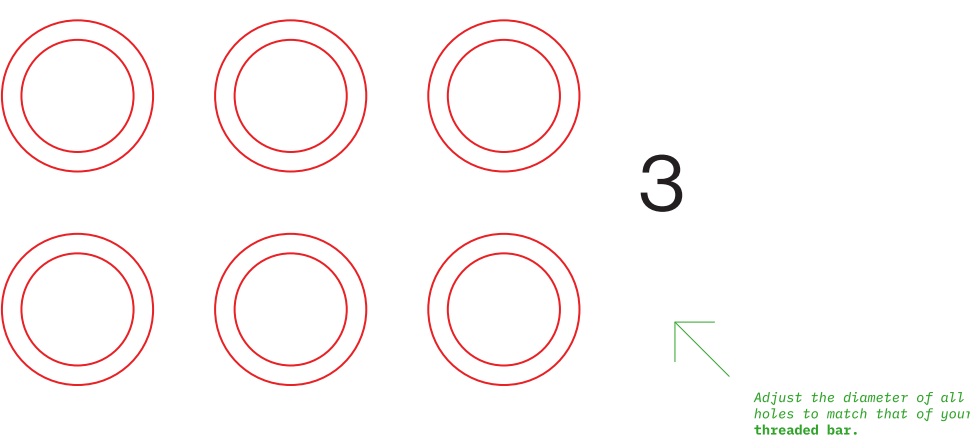
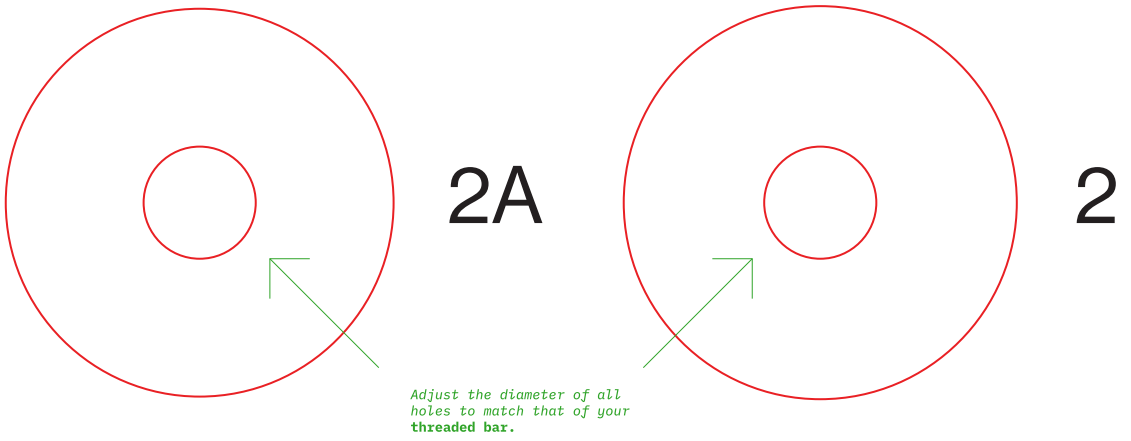


Format Press V1



Supplies	<div>2x 19": 3/4" square tubing</div> <div>2x 19": 3/4" flat bar</div> <div>1x 19": 15.54 mm threaded rod</div> <div>8x 1/4" machine screws</div> <div>8x 7/16" machine nuts</div> <div>16x 0.734 washers</div> <div>1x 2" inside-diameter PVC pipe</div> <div>2x Large Bearing</div> <div>4x Small Bearing</div> <div>19" x 24": 3/4 Birch Plywood</div> <div>18" x 32": 1/4 Birch Plywood</div> <div>Quickcrete</div> <div>Wood Glue</div> <div>Measuring Tape</div> <div>Sharpie</div> <div>Pencil</div> <div>Clamps</div>	Roller-Carriage	<div>1. Laser cut the #1 carriage-wall components found in this file using 1/4" plywood. Glue the three pieces by spreading wood-glue across the surface of the parts and clamping them together for 2+ hours. Insert the large bearings into the carriage walls whilst the glue dries.</div> <div>2. Insert a washer into four of the 1/4 bolts. Insert the bolts + washer combos into the bottom holes of the two carriage-walls. The head of the bolt should be on the side of the small hole. Insert two washers, a small bearing, and secure with a nut to complete the carriage-walls.</div>
Optional	<div>1x Hackaw with Metal Blade</div> <div>1x Drill</div> <div>1x 7/32" drill bit</div> <div>1x Nail Gun</div> <div>1x Blue Acrylic Paint</div> <div>1x Yellow Acrylic Paint</div> <div>1x Red Acrylic Paint</div> <div>1x Nail Gun</div> <div>1x Water Based Polyurethane</div> <div>1x Brushes</div> <div>1x Painters Tape</div> <div>1x Calipers</div> <div>1x Safety Goggles</div>	Roller	<div>3. Cut the PVC Pipe down to 16.59". Cut the threaded bar to 19.5". Insert one, #2 wooden-donut into the threaded bar so that the outside edge of the #2 line of the formatting-tool aligns up to the edge of the threaded bar. Insert the threaded-bar and wooden-donut into the PVC pipe. The wooden-donut should be flush to the edge of the PVC pipe, too against the edge of a table to line things up. Mix the Quickcrete and fill the pipe with the mix, leaving .25" of empty space on the other end. Insert a #2A wooden-donut, to cap the other end. It should be flush to the edge of the PVC pipe. Let cure for 24 hrs. Insert the #3 wooden-rings to both ends of the roller.</div>
To Note	<div>The Format Press is NOT designed to print in standard .921" type-high. The 3/4" type-height is meant to let designers easily experiment with standard material sizes, permitting time to adopt new forms and methods outside of conventional letterpress design. When building the Format Press, make sure to measure materials with calipers. Although wood may be advertised as a certain thickness, measurements will vary. Adjustments should be made to fit locally sourced supplies. See the diagram for details. Questions: info@format.xyz</div>	Press-Bed	<div>4. Cut the 3/4" plywood to 19" x 24", to make the press-bed. Cut four, 2" x 15.5" bars. Home Depot will cut these for you if you don't have the appropriate cutting tools. They will charge a small fee for multiple cuts.</div> <div>5. Coat the bed with a single coat of polyurethane. Let it dry and cure. Using a hand-sized block wrapped in printer-paper, sand the press bed. Don't over do it as you don't want to make wooden surfaces uneven.</div> <div>6. With your metal hackaw, saw the 3/4" flat bars and the 3/4" square tubing to 24".</div> <div>7. Drill a hole in the center, an inch from the ends of the metal components. Precision is very important here! Use the formatting-tool to help you do this.</div> <div>8. Drill holes on the press bed to match the holes of the metal pieces.</div>
		Press-Assembly	<div>9. To assemble, screw the weld bar, square tubing, and the press-bed together on one end with two of the 1/4" bolts, washers on both ends, and nuts.</div> <div>10. Add the press-legs by gluing or nailing/gluing the 2" x 15.5" wooden bars from step 4. Use the width of the formatting-tool to determine the placement of the press-legs. Repeat this step on the other end for perfect symmetry.</div> <div>11.</div> <div>12. Flip the press-bed so that the side with the square tubing is facing down. Glue or nail gun the legs to the press bed.</div> <div>13.</div> <div>14. Insert the carriage-walls onto both ends of the assembled roller. Slide the semi-assembled roller-carriage into the unbolted side of the Press Bed.</div> <div>15. Once inserted, bolt together the other side of the Press Bed with the remaining two 1/4" bolts, washers on both ends, and nuts. Straighten and tug to align as much as possible. Glue or nail the two #4 carriage bars to secure the press' construction.</div> <div>16. Mask all surfaces and paint with acrylic paint. Enjoy your press!</div> <div>17.</div>

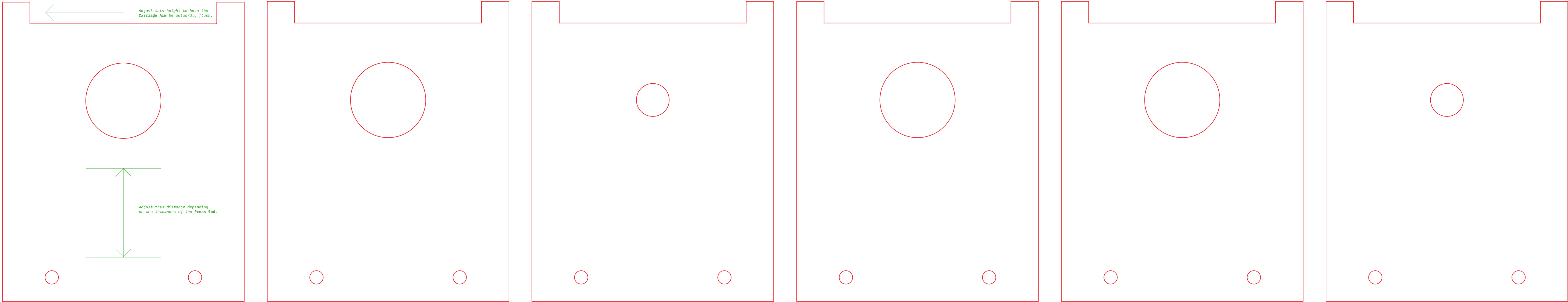


Lasercut parts

Redcutting
Blasetching
Grey scalenraster

This artboard is 32" x 18", the size of some standard laser cutters. Set your line width to .001", and hide the appropriate layers to start cutting!

Questions:
e-info@format.xyz
@-format_xyz



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format sans

This method of lasercut movable type consist of two pieces, the backing and a raised surface. Glue the raised surfaced onto the etched silhouettes on the backing. Experiment away! Share your results by using #formatpress

Questions:
e-info@format.xyz
@format_xyz

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