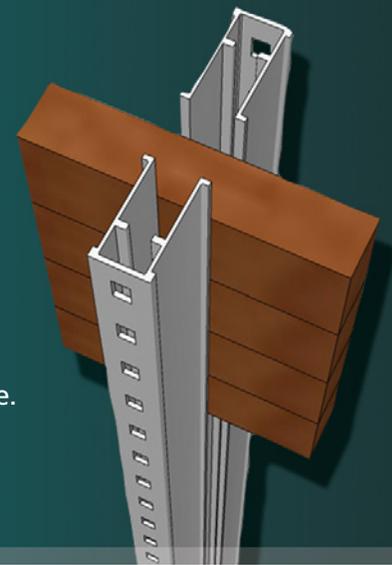


PLANO

Vertical Glue Press



Are you tired of buckled panels and messy gluing tables?

The PLANO Vertical Glue Press will keep your valuable floor and bench space clear, while automatically assuring you of a well-laminated, flat panel or board, every time. And you won't even need dowels or biscuits!

PLANO is your BEST solution for gluing solid wood panels.

PLANO produces a superior quality glued-up panel. Unique, patented PLANO design provides pressure on both edges and both faces of the project, creating superior quality joints and completely eliminating buckled panels.

PLANO can handle almost any size panel you need. PLANO's linking arms automatically adjust to any board thickness from 0+ up to 5". Clamping length is limited only by the length of the wall where you mount your PLANO, and by number of mounting rails you have installed (onto which you hang your PLANO clamps). Just butt one 39³/₈" mounting rail next to another: the final rail can be easily cut off to suit your exact requirements, if needed.

Clamping width depends on your clamp size. PLANO clamps are available in three sizes (heights): 43", 49" or 55." All sizes let you clamp a single large panel or multiple narrower panels at one time, up to the total capacity of the clamp. To clamp several smaller panels edge-to-edge, simply leave out the glue between the last and first boards, respectively, of the adjacent panels.

(NOTE: The shorter the clamp, the easier it is to load and unload. We therefore recommend you order only the height you will actually need, to ensure that using your PLANO will be as easy and convenient as possible!)

PLANO is maintenance-free. PLANO clamps are easily cleaned of glue residue and are designed to ensure a lifetime of consistent operation and professional-quality results.

PLANO makes stronger joints than conventional clamps or less advanced systems. Unlike pipe or bar clamps which invariably "pinch" slightly on the bar side, PLANO applies centered and even pressure to the gluing surface because it completely surrounds the joint, resulting in a stronger, better-looking joint even without the use of dowels or biscuits.

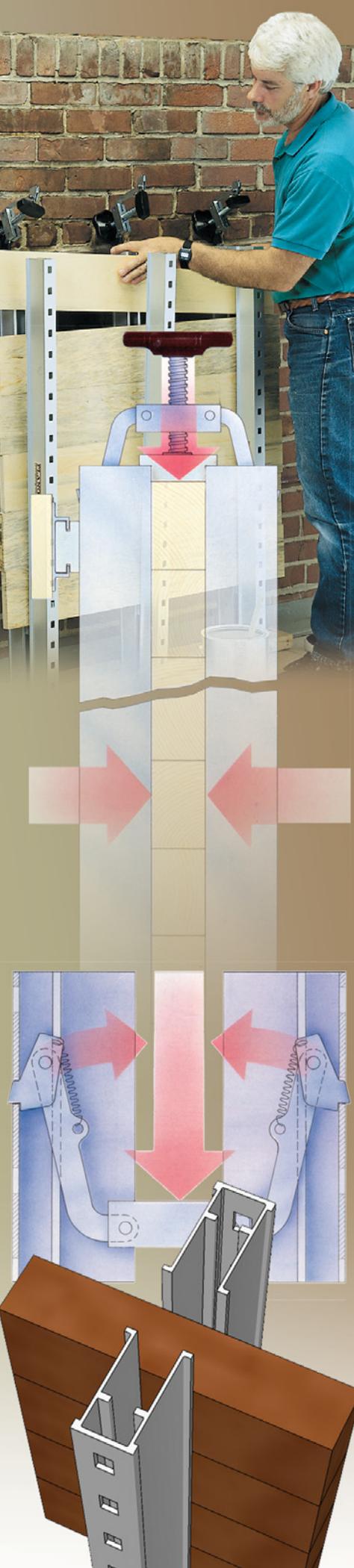
PLANO saves you space. Vertical wall mounting greatly reduces (up to 90%) the shop surface area required for gluing with conventional bar clamps, gluing racks or gluing tables.

PLANO saves you money. Wide boards cost more and tend to warp; with your PLANO you can easily glue up more affordable narrow boards to produce wide, warp-resistant panels. And because PLANO properly aligns your boards better, panels glue up flat and require less planing and surfacing. That lets you start the process with less surplus wood thickness, too, so you can save even more on your lumber purchases.

PLANO saves time and effort.

- vertical position of panels makes loading easy and reduces drying time.
- properly set up, panels can never "rack": your panels are always square.
- proper alignment of the boards provided by PLANO saves hours of planing and sanding.
- Dowels and biscuits become unnecessary, further reducing cost and time.





How exactly does PLANO work?

PLANO is a clamping system that surrounds a panel on four sides. Its unique, patented design applies pressure both on the edges and the faces of a panel to completely prevent any possibility of a buckled panel.

Because its mechanism grasps the panel identically on and from both sides, each PLANO clamp also applies pressure evenly across the glue joint itself, unlike the graduated pressure which common clamps apply. As a result, each individual PLANO clamp produces joints that are far superior to joints produced by an individual common clamp.

PLANO Systems consist of two or more PLANO clamps hung on one or more PLANO mounting rails. Mounting rails are installed horizontally, usually on a fixed wall. However, PLANO can also be set up on a movable "gluing cart," allowing total portability of the system. PLANO is simple to install, requiring only a spacer, such as double 2x4's, to create some separation between the wall and the PLANO System. This separation allows the clamps to be operated comfortably, and to be easily set into an "open" position for loading.

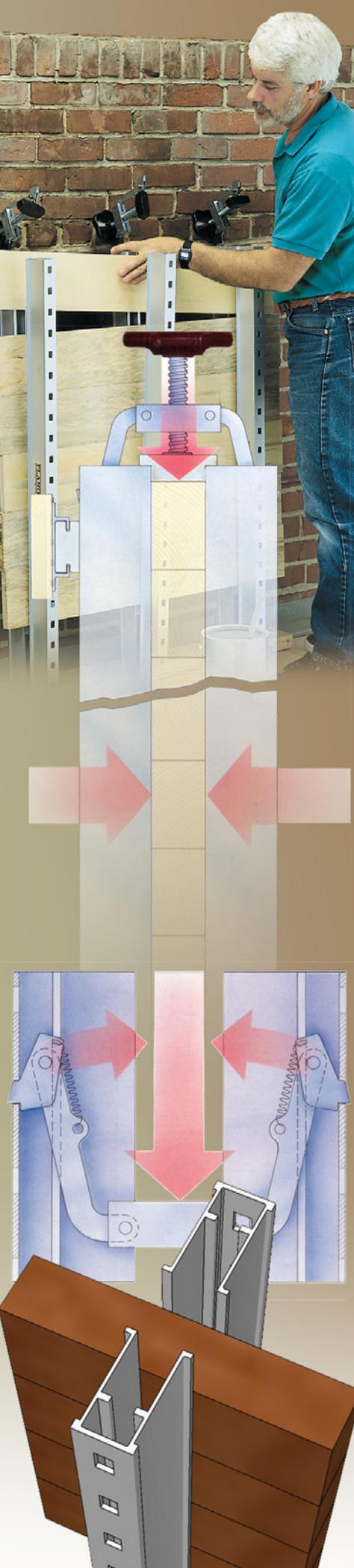
PLANO mounting rails are 39³/₈" long, and can easily be installed end-to-end for extra length or cut to suit any specific length requirement you may have.

PLANO clamps consist of two long aluminum extrusions which install vertically and are connected by two uniquely designed steel linking arm assemblies, one at the top and bottom of the clamps, between which the panel to be glued is loaded.

The lower linking arm assembly may be positioned at various heights from job to job, to adapt to various panel widths, from near the floor for maximum panel width, then up in approximately 2" increments. The upper linking arm assembly is always set at the very top of the clamp for easy operation.

The upper linking arm assembly includes a pressure bar, which is easily adjustable using a comfortable handwheel. As the pressure is applied by the handwheel, it is distributed automatically by the patented PLANO system to all four sides of the panel to ensure optimum results (as the pressure is applied downward, both side bars are also pulled inward.)

PLANO clamps can readily be slid to the left or right on the rail to adjust to panel length. Clamps may be spaced at the user's discretion to suit each project: the general guideline is to set the clamps 12" apart on center, beginning approximately 4" from either end. For difficult jobs, the clamps may be spaced more closely, or regular bar clamps may also be added between PLANO clamps for additional clamping force. When not in use, all PLANO clamps can be clustered together anywhere on the mounting rails to free up wall space.



PLANO clamps are available in three sizes which determine the panel width capacity of the system. 43" and 49" lengths are usually available from stock, and 55" clamps can be special ordered. Please note that shorter clamps are the easiest to load and use, so taller clamps should only be selected if they are in fact required. Clamps of varying height cannot be mixed within a system, so you first need to choose which clamp height is most suitable for you. Additional rails, and clamps of similar size, may be added to a PLANO system at any time to increase length capacity.

Maximum thickness capacity is 5" on all PLANO systems: more significantly, PLANO's patented system also lets you properly align and edge glue even very thin boards, a task not readily possible with traditional clamping methods.

The number of PLANO clamps your system should consist of depends on the length capacity you want. Start with the basic system of three clamps and one rail to give yourself a 39" length capacity. Then add one clamp for every foot (or fraction of one) of additional length capacity you wish to add, plus one mounting rail for every three feet or fraction thereof.

Use the order form on the next page to determine what you need. Using the available packages lets you order any number of clamps you need, with sufficient rails to match. Individual clamps and rails are also available.

