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## Craftsman industrial router table manual

Photo: depositphotos.comWhile a portable router allows you to do many things without other tools, it has limitations. Routers are heavy – after all, they require two hands to function, limiting their use to larger, stationary objects. Turn the router upside down and mount it to a table and add a new level of functionality to the power tool. With the router securely mounted on a table, hands are free to control the workpiece. A router table allows you to perform various tasks, including making casting, gliding the right edges of tiles, and routing with your freehand precise cuts into small pieces of wood. Top PicksBelow are some of the best router tables from respected manufacturers in the instrument market. Read on to find a suitable model for your projects. Photo: amazon.com When it comes to choosing a router table, durability is critical. A good router table should hold up to wear, tear, and abuse will last. With this in mind, the metal is wear-resistant, and this robust bosch benchtop router mass can handle difficult loads. It features plenty of aluminum parts, including a large 27-inch-by-18-inch worktop, a router mounting plate, and a tall fence. The Bosch table includes some useful features, such as a 21/2-inch dust collection port, adjustable plates with feathers on the fence board and a storage pocket for those easy-to-lose router bits. The Bosch Benchtop router table also includes a long list of compatible routers. Photo: amazon.com Routers and router tables tend to be expensive, but this Kobalt router and mass router combo is a high quality exception. The router runs on a powerful 12-amp engine with a durable cast aluminum body and precise depth adjustments. Included with the power tool is a robust but light, table router with strong plastic legs, providing additional stability. The Kobalt router and table combine for a global unit that is lightweight, weighs less than 20 lbs, which allows you to tote it with you when needed. You don't have to worry about compatibility issues or color coordination because the included router fits the matching base perfectly. Some additional useful features include a dust collection port and adjustable fences. Photo: amazon.com Even though space is limited in the workshop, there is still room for a router table. At just 8 inches by 6 inches, the Dremel portable table could be just the smallest router table on the market. This accessory connects to a rotary tool with Dremel cable or wireless and transforms the device into a wooden shaper. Dremel 231 is made of durable and lightweight plastic, it is easy to store or transport it to work. This table is mounted on a workbench with standard c clamps or you can permanently mount it with screws through pre-cast mounting holes. The characteristics of this dremel router's mass attachment include a fence for precision cuts and a its portable size does not come with limitations. A note: This router table is only compatible with Dremel wired and wireless models, so consider this when making your choice. Photo: homedepot.com A router table is as good as its ability to work seamlessly with the router. Ryobi's table works with all major brands of routers, along with some older brands and designs. In addition to impressive compatibility, this table offers outstanding durability and performance. A large laminate MDF worktop and sturdy plastic legs provide a smooth and constant work surface. Other quality features include an adjustable fence, five different sizes of neck plates, and an aluminum T-track for the mimered router cuts. An integrated power plant on Ryobi includes enough space for the router and another power tool, would be the vac shop. This router table also helps you keep the sawdust under control with a built-in vacuum port that supports 11/4-inch and 21-inch attachments. Photo: lowes.com You can complete the essential routing activities with this SKIL router table, fold it and store it carefully. The sKIL router mass installs and decomposes quickly with a quick mount system that attaches and uninstalls the router in seconds, with legs that fold conveniently in the body. This table consists of a sturdy MDF table on top of a durable molded plastic base. The table includes a replaceable MDF fence, bit storage boxes and accessories, a bit height gauge to improve the accuracy of cuts, pin guards for routing curved parts, and two adjustable tire plates. The SKIL router table is compatible with all major router brands. Photo: amazon.com You won't have to worry about dust if you choose this cabinet-style router table from Bosch. Its design features two dust collection ports, which keep the workshop's sawdust free, with additional storage space for the router's bits and accessories. In addition, two easy-to-use plates of feathers that provide additional guidance and protection against stress. They are fully adjustable to fit a variety of workpieces. This large 25-inch-by-151/2-inch laminate workbench top comes with an aluminum mounting plate. The board is pre-drilled for use with different routers and allows you to make height adjustments above-mass. Other features include adjustable feathers plates and a large aluminum fence. This router table is mounted on a workbench through four predrilled holes. Photo: amazon.com Materials makes all the difference when it comes to router tables. The router mass from Kreg is equipped with a durable 16-year-tall laminated MDF 24-inch, supported by wide-position and heavy steel legs. A full-size insert card supports even the largest routers and includes integrated leveler for fine-tuning. Multiple rings allow the correct sizing of the bits. Other features of the Kreg PRS2100 include a miter gauge slot, an adjustable extruded aluminum fence, and dust collection You don't like the noise of the router? Wrap the router through pre-drilled holes at the base of the table. The Kreg Bench Top Router Table is a great option for those with a budget to support the steep price tag. This site is not available in your country just when you thought you saw every possible use for portable workbench (Workmate bank is shown here), here's still a great one. HandymanJust family when you thought you'd seen every possible use for portable workbench (Workmate bank is shown here), here's another great one. The solid base of the workbench is the perfect support to support a table from the homemade router. Just screw a couple of thick blocks to the base of the router table, tighten the sliding jaws to the blocks and you're ready to go. When you're done, you can remove the table and store it efficiently on the wall. After you're done with this project, learn to make an extension table for the sandic. Originally published: March 30, 2018 Family Handyman After you install the router in a router table, you may never remove it. Use these simple router table plans to build this router table and change the world of woodprocessing. By DIY Experts of Family Handyman MagazineYou might also like: TBDTime More DaysComplexity IntermediateCost \$101-250Rock-solid DIY router tableA router handheld is an amazingly versatile tool in itself. But if you turn it upside down and mount it under a table, the same router is capable of a whole new set of tasks. We designed this DIY router table to be solid, stable, easy to build and easy to use. Carpentry is simplicity in itself. Just butt joints and screws-no miters, no fuss. But don't make me wrong. Simple doesn't mean second rate. This table will withstand years of heavy use and offers most of the features found on high-end manufactured models. Dave Munkittrick is a field editor and pilot of the line turned professional woodworker.8 Great features of DIY Router TableDouble collection dustSucks dust above and below the router bit. Super storageStore routers, bits and accessories in one convenient place. Safe and convenient switch External switch allows you to start the router without opening a cabinet door. Fully adjustable fenceSimple, quick and reliable adjustment. Mobile furniture, but solidHard plastic furniture slips on floors.1: Double dust collecting vacuum ports in cabinet and fence provides aspiration both above and below the router bit, making this router table one of the cleanest machines available.2: Super storage A large, deep drawer allows you to corral all routers and accessories in one convenient place. Bit supports mounted on the door – only wooden with drilled holes – allow you to instantly find the right bit.3: Safe and convenient switch The external switch allows you to turn on the router without opening a cabinet door. When it's stopped off you can even stop it with your knee, leaving both hands free to hold the workpiece. The switch is optional; You can use the switch on the router.4: MDF for Cabinet stability, top and fence are mostly MDF, which comes flat and stays flat. MDF is also heavy. The extra weight makes this router mass stable and mitigates the vibration of the router.5: The fully adjustable fence Faces of the sliding fence allow you to adjust the opening up to 3 inches wide. A pair of clamps locks the fence in position - simple, fast and reliable.6: Top solid rock Top is a thick sandwich: 3/4-in. MDF between layers of 1/4-in. hardboard. It won't warp, sag or flex, no matter what you run over it.7: Hard wood work surfaces is surprisingly abrasive and grind away at finishes and other surfaces. But the laminate top and fence face on this router table will remain smooth and slick for years. Laminate is optional, though. If you skip it, you'll save about \$30 and a few stages of construction.8: Mobile, but solid hard-sliding plastic furniture allow you to easily slide this router table onto the floor. But unlike rollers, the slips won't wobble and cost you a fortune. There is no wrong router for a meal. Over the years, we've seen all sorts of routers working very well in tables: the big ones, the small ones, the basic fixes and the plunge patterns. That said, the most serious woodcutters I know prefer basic fixed routers in tables. And everyone agrees that the bigger is the better; most professionals use a 3 hp model. If you are in the market for a new router, consider a combo kit (an engine, a fixed base and a plunge base). This way, you can mount a base in the table and quickly transfer the engine to the other base for manual routing. Also consider a model that allows you to adjust the height above the table. By inserting a shaft through the countertop, you can raise or lower the router. Very precise, very convenient. The craftsman, Milwaukee, Porter-Cable, Ridgid and Triton offer this option on some models. For more tips on buying the router, see our review of medium-sized routers. The cabinetPhoto 1: Build cabinetAssemble cabinet box, and then install drawer slides and doors. Wrap-style hinges make doors easy to hang and adjust. I designed this DIY router table for easy construction. It's mostly a matter of cutting the parts from the cutting list and assembling them, as shown in Figure A. But before you start on the cabinet, think about the height of your table. I made my 34-1/4 inch tall to match the height of my table saw. In this way, the router table can act as a support outfeed for saw or vice versa. If you want to do the same, you may need to change the height of the sides and back. Cut all parts of the cabinet (parts A – G) and strip them with hardwood edges (S – W). I used maple. When sticking to the edge, I used masking tape to hold it in place until the set of glue, although there were some stubborn stains stubbornly I needed the extra force of the clamps. The edges have two purposes: Protects the edges of the MDF, which are prone to carving and dental, and look good at the end of the router meal. With all the pieces edged, we assembled the cabinet using screws with the washing head. You could use other types of screws, but the washing heads eliminate the need to drill deep depths of contrasink, add some strength and, like the edges, look good. Important: Before screwing into the middle shelf, measure the height of the router and make sure that the shelf location will allow you to remove the router's engine from the base. I placed the 12 inch shelf from the top, but the router might require more space. This can also change the height of the drawer parts. When the cabinet is complete, hang the doors using wrapped hinges (Photo 1). There are several styles available; just be sure to use a full version overlay, because the doors fully cover the front edges of the sides. The hinges I used are 00H5833 at leevalley.com. Nail on furniture slips, mount the external switch and cut one hole for the power cord and another just above the middle sized shelf to fit the vacuum hose. You will also have to cut a hole in the top of the closet, but leave that for later. TabletopPhoto 2: Make a sandwich layers of cardboard board hardboard at both sides of the MDF core. Glue on the bottom layer first so it looks here. You can press the pieces together with an MDF platform, 2x4s and clamps after showing, or by stacking weights on the sandwich. Tabletd sandwich detailHere to use an MDF plate as a bonding platform when applying 2x4s and clamps. Photo 3: Cut the support part off the prominent hardboard using a color-trim bit. The bearing rolls along the core, guiding the side so that it shaves the perfect hardboard even with the core. Then cut a hole for the router (see Photo 5), and the top layer of the hardboard as shown in Photo 2 and cut it in the same way. Photo 4: Laminate the topWrap top with hardwood edges, spread on contact cement and apply plastic laminate. Slip sticks allow you to center the laminate before lowering it to the top. Once the laminate comes into contact with the top, it is permanently blocked; there is no second chance. Photo 5: Mount the base of the routerRemove the plastic plate and handles at the base of the router and set the base at the top of the table. Mark the locations of screw holes and holes, so you can screw the base at the top. Be sure to orient the base so that the depth lock faces the front of the table. Think of the top as a sandwich. The core of MDF (D) is meat, and 1/4-in. hardboard (N) is bread. Here's the recipe: First, glue a layer of hardboard (cut about 1/2 inches larger than the final size) to the MDF core (Photo 2). We pressed the pieces together using an MDF plate as a platform, 2x4s and clamps. This is a complicated glue-up, and I we recommend that you make a complete dry run with all the first clamps. For a simpler approach, use weights. Place the board on a perfectly flat and sturdy surface, apply the adhesive and place the MDF core on it. Then set weights on MDF - a lot of weights. Six 5-gallon gallon slot of water will fit nicely on the sandwich and apply plenty of weight (just be careful not to spill!). When the adhesive has dried, cut the hard cardboard (Photo 3) and cut a hole through the hardboard and MDF, using the router base as a template to mark the hole. You can center the hole in the table, so it looks in Figure A. But I like the extra support in front of the router bit, so I centered the 8 inch hole at the back of the table. After you have cut the hole, center the countertop on the cabinet and follow the hole on top of the cabinet. Then cut a hole at the top of the cabinet at least 1/2 inch larger than the hole in the countertop. Now add the second layer of hardboard to the table. But don't make a hole in it. The top layer of the hard plate forms the work surface and supports the router. To complete the countertop, add the hardwood edges, followed by the plastic laminate (Photo 4). Lighten the edge of the table with a little sander to prevent the brittle laminate chipped. While rolling the top, go ahead and stock the laminate for the fence faces too. If you have additional laminate, make extra faces to replace the damaged ones later. Now you are ready to install the router. Using a hole saw, drill down a router hole sized to match the largest bit of router. Then mark and drill the screws (Photo 5), so you can fix the base of the router on the table. When you have worn countersink holes through the laminate to fit the screw heads, go slowly and cautiously. There is only slightly more than 1/4 inch of material there; you're too bored and in big trouble. With the base of the router mounted, the countertop is complete. Center it on the cabinet and fasten it with actuated screws from inside the cabinet. Table fence routerPhoto 6: Make two parts of the fence at onceCut a hole in a plank of MDF, then cut the plank in half to make two perfectly suitable parts: the base and the string. When the fence is assembled, the cutouts form an opening for the router bit. Photo 7: Slot the fence trackDill pairs of holes in the fence track to mark the ends of each slot. With the router turned off, set the string over the router bit. Turn on the router and cut until you reach the second hole. Cut each slot in the same way. The cleat on a scrap of wood as long as a temporary fence. Gard slotting detailHere to use the hose to turn on and off the slot cuts. The base of the fence and the string will come from a piece of MDF. Cut this void to 8-5/8 x 32 inches and drill it out 3-in. in the center with a jigsaw or hole seen. Break the gap in half and you have both sides, perfectly suited (Photo 6). Now it's time to put the new table to work! You're going to use it. Use. Slots cut into the fence rails, which allow the faces of the fence to slide in or out. First, mark the location of the slot on the fence line (Figure A). Then drill a 5/16 hole in. at both ends of each slot. Chuck a 5/16-in. bit right into the router and lift it to a height of about 7/8 inches above the table. Set the fence string on the router table so that the bit comes out through the first hole on the left. Grab a temporary fence, turn on the router and push the stock from right to left (Photo 7) until the bit enters the hole at the other end. Turn off the router and let the bit stop completely before moving on to the next slot. (Aren't you glad you added that external power switch?) Join the two halves of the fence with glue and screws. Add triangular fence supports (K) and dust port (P). The faces of the fence need 3/4-in. niches to counter the ends of the transport bolts and 5/16-in holes. for the screw rods. Holes need to align perfectly with the slots on the fence track, so it's a good idea to cut a fake fence face out of a piece of MDF, drill the holes and test the fit. If the fit is correct, use fake as a pattern to drill the faces of the fence. Bolt on the faces and fence is ready for action. A router mounted on a table does some things better than a portable router: In some situations, it's simply faster and easier to push wood over a router than to push a router over wood. In other situations, a sturdy table and a fence give you more control and precision. And then there are jobs that only a mass of routers can do: Making high panel doors, for example, requires big bits of router that are not safe in a hand router. Other bits, such as those that cut a lock door or drawer joints, require a precision that only a router table can provide. A router table can also model parts that are too small for portable routing. For any type of work, a router table along with the store vacuum cleaner can give you much better dust control than you can get with a portable router. Finishing toxi I built the last drawer box, so I could use the router table to reduce 1/4-in.deep in the drawer sides (BB). But you could skip the rabbets altogether and simply make the front and back drawer (AA) 1/2 inch shorter. I mounted the drawer on full-extension slides, although other styles would work as well. I gave him drawers, doors and closet two layers of polyurethane finish, inside and out. Then I added the door pull and magnetic catches and congratulated me on a great addition to my wooden shop. A second option of mass router would be to build a router table from a countertop Old. General dimensions: 34-1/4" high x 32 "wide x 23" depth. These materials are available at most home centers, although plastic laminate can be a special control element. Additional materials: wooden adhesive, 2 screws with washing head, 1-5/8 screws, contact cement, polyurethane finishI ordered ordered articles of rockler.com: safety power tool switch, No. 20915; and nail-on furniture slips (pack 4), No. 18665.Use this chart to set discounts for

your 4'x 8' x 3/4' FOI MDF. Benchtop Router Table PlansQuired Tools for this DIY router table fence projectHave the tools for this DIY how to make a router table project lined upfore you'll save time and frustration. ClemeCorded drillcounterCountersink drill bitDrill bit setDust maskExtension cordClueHearing protectionJigsawOne-handed bar clemsRouterSafety glassesShop vacuumTable sawTime measureRequired Materials for this DIY router table fence projectEvoid last-minute shopping trips by are all your materials ready ahead a time. Here's a list.1-5/8-in. screws2 screws washing-capContact cementNail-on furniture slipsPolyurethane finishSafety power tool switchLegie wood glue

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