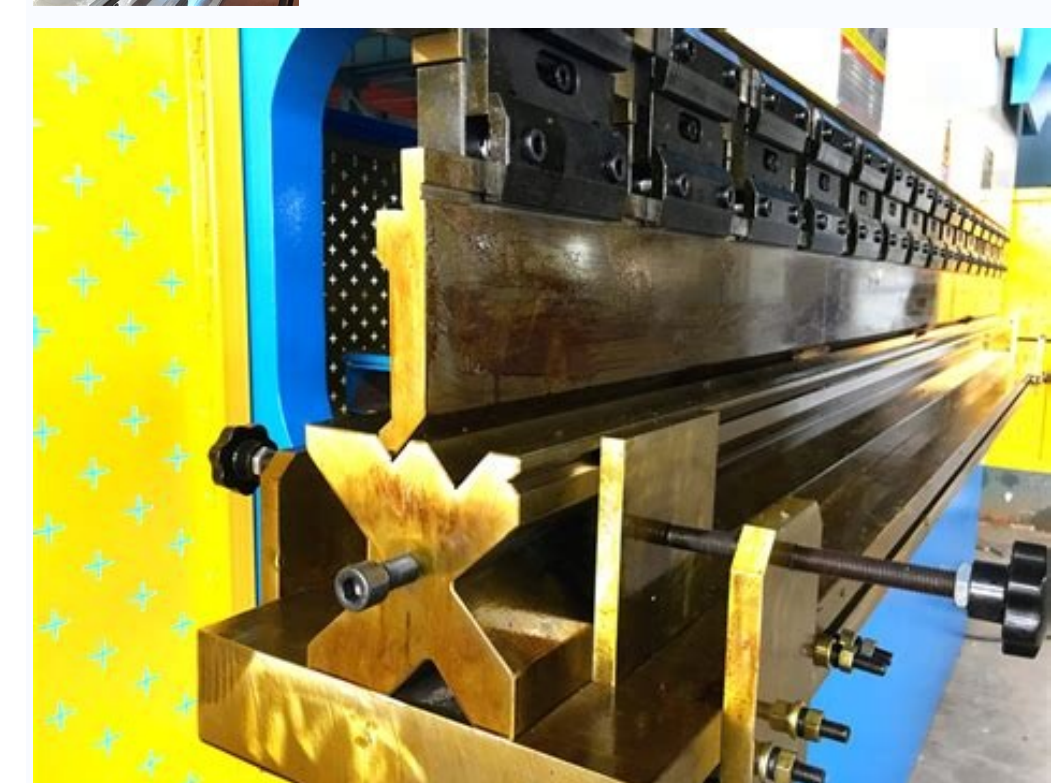
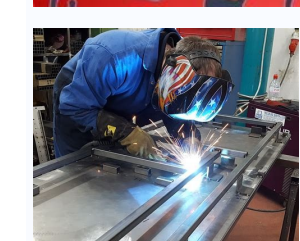
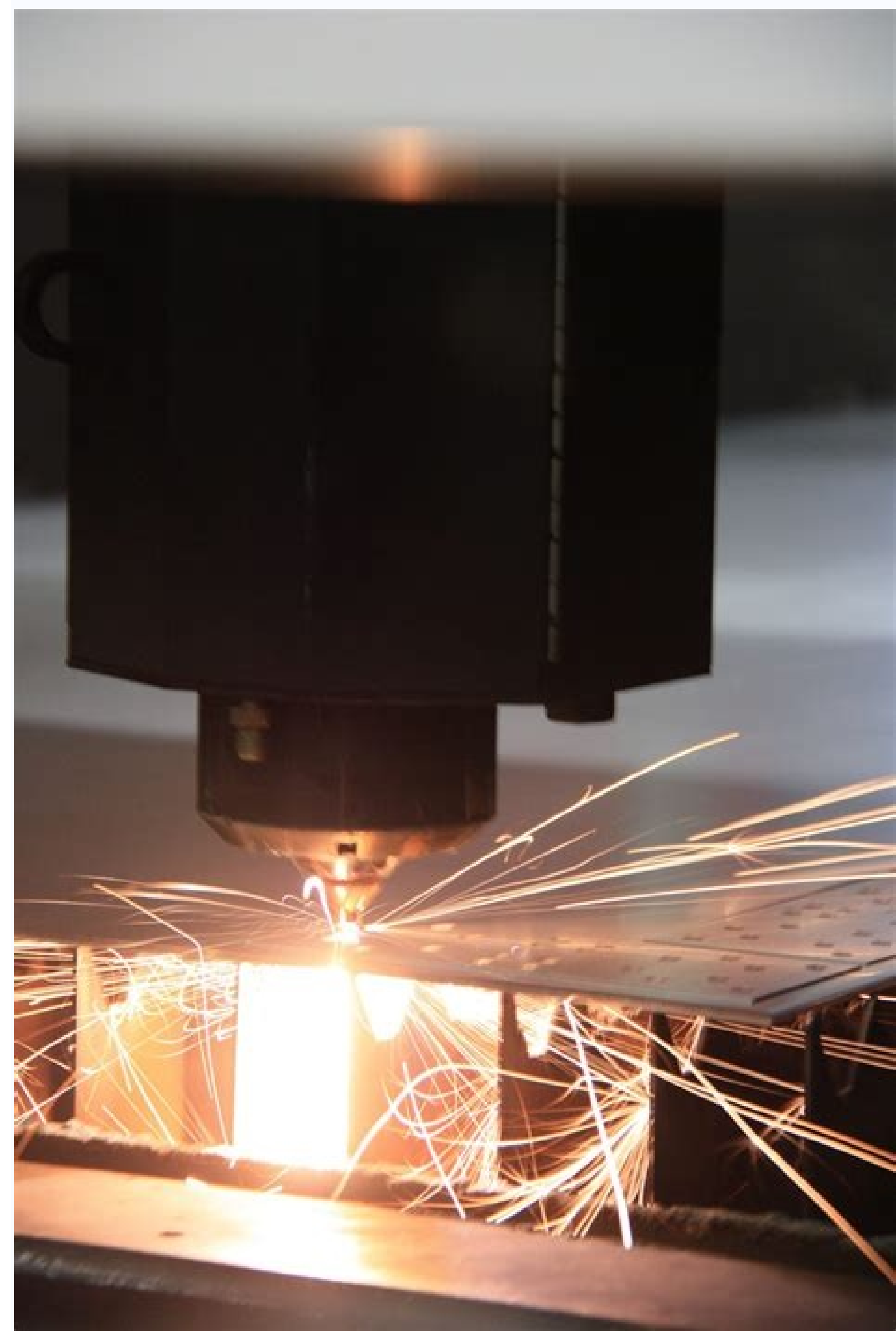


I'm not robot!



Cnc router cutting near me. Cnc steel cutting near me. Can a cnc router cut stainless steel. Cnc design cutting near me. Cnc sheet metal cutting near me.

This machine uses a 400w BLDC spindle motor, that comes with it's own inverter - relatively inexpensive and easy to find, very common solution with hobbyists. But needs a 40V/10A industrial power supply. Something like this, but I didn't buy the mounting bracket and power supply with the motor; don't forget to buy tooling and collets. The machines axes are powered by NEMA 17 40Ncm torque motors, this works fine however. The more torque the better. These are connected to ACME trapezoidal leadscrews, I got online. The Z axis moves on linear bearings, these are the same as on a 3D printer. I SCIU I also it has a separate power supply for the stepper motors. A 12V/10A industrial power supply. That's it, at least for the mechanical build. Building this CNC. I used various tools, so I'm not going to list them. Obviously you can figure something out, if you don't have the tools. This build has a lot of 3D printed parts, printed on an Anet A8 printer, using ABS plastics - I recommend ABS over PLA for these applications because it's not as brittle. Hey geeks, I was doing test cuts on my home made cnc and the results turned out satisfactory. So today I am sharing my build here. Technical details: ● XY table 500x600mm and 100mm in height. ● I am using 3 nema 17 unipolar stepper motors. (Sourced from photo copier machine) ● Threaded rod and normal nuts (Added two nuts to handle back lash). ● Drawer Slides for movement. ● Arduino with CNC shield v3. ● 3000rpm Spindle. 2000 to 27000 rpm. ● 4mm 4 flute tool. Swissmade Raytools laser head. This is a lowendide power laser fiber cutter, also named as a fiber metal sheet laser cutting machine, which is mainly used to processing thin metal plates, especially the sheet below 20mm. And this fiber laser machine is suitable for almost all metal plates, such as carbon steel plate, stainless steel plate, iron plate, alloy plate, aluminum plate, copper plate, and other metal plates. Because of its comprehensive processing materials, this sheet metal cutting machine is widely used in many industries. Such as the advertising industry, metal cutting, signs, kitchen Control. Support track accuracy 0.05mm, positioning accuracy 0.01mm Maximum cutting speed 100m / min, maximum moving speed 100m / min Support Maximum acceleration 1G Call Us Today: +86-531-69959633 03-29-2011, 05:36 PM #1 I'm bored waiting for fcs to run on a frame design, so here's a "what I did last week" post - I cut stainless steel using my router. Pics are below. I was working on welding copper sensor bumps (threaded hoses) to the stainless exhaust pipes on my motorcycle. My first idea was to drill the required holes in the pipes with a hole saw, so I got one at the hardware store. I made a test cut in a table of 304 I'd bought to practice on before I tore into my bike's pipes. The hole saw melted on the stainless. Must have got a crappy one... Alright, so it was late at night and I want to make some holes. I ran inside, programmed a quick hole pocketing operation and put my pipe on my router. I cut 0.800" per pass at 10ipm with a 2 flute carbide endmill. It took about 20 minutes to cut a 3/4" hole (mostly due to the pipe being round, so I had to cut about 0.2" deep). It turned out nice. I'm not saying the surface finish is amazing, but the hole was the right size and considering I was welding to it, perfectly serviceable. The last pic is the finished part. Don't judge my weld to harshly. I'm still a beginner and this was my first stainless work ever. I consider it a failure the second pipe on my router, so I backed a hole with a dressed tool and grinding wheel and then made it round with a carbide burr in a forehand. That was probably faster than the router but not quite as fun. Similar Thread(s) Attached Thumbnails CNC mill build thread 03-29-2011, 10:18 PM #2 I'm impressed :D I have seen another 3 axis machine cutting steel, mild steel, 50 pins programmed it to go in and just take a whiff off each pass. The cutting would've taken hours! The big issue is tool pressure going into such a hard material. Most woodworking machines can't take the pressure and lack the rigidity to do practical cutting. 03-29-2011, 10:39 PM #3 That's how I do aluminum cutting on my router - it takes hours and the finish still usually isn't great, but good enough. I usually go more like 0.010" per pass at up to 20ipm on aluminum though. I was surprised it did as well as it did on the stainless. CNC mill build thread 03-29-2011, 10:44 PM #4 I always believe that almost anything can be done - it's all in the approach this was my experiment. [nonmedia]" - cutting steel/nonmedia" I was programmed to 120ipm but for the initial slot through I dropped it to 60. part was the pass lock's bumped it up to the 120 (1/2 way thru the rod) - it takes only 01 engagement per loop but as you can see 120 ipm can remove material quickly. it was the same deal as yours. not a perfect finish but not to shabby either the only problem that I found was that there were fine needle like chips everywhere A post knows no boundary yet he is bound to the boundaries of ones own mind! Take control of woodworking tasks and streamline production with a stainless steel cutting cnc router from the Alibaba tools marketplace. Our marketplace features a huge range of wood router tools, with CNC machines, manual routers, hand-held devices, and all of the specialist tools carpenters could need. Pick vertical or horizontal routers, add a router table to your workshop, or kit your construction team with portable wood shaping tools to give them the capabilities they need. It's all available wholesale at Alibaba. Finding the right stainless steel cutting cnc router couldn't be easier When you search the wholesale wood router and stainless steel cutting cnc router listings at Alibaba, you'll find a massive selection of styles, sizes and brands. To start with, there are many CNC routers. These larger wood shaping stations fit into industrial settings and often have the most versatile cutting systems. They can be programmed and automated for high volume production - handy when producing furniture, frames, or toys. Simpler routers include plunge routers to create recesses and grooves, fixed base routers for edge shaping, and standard routers for general wood shaping. Routers tend to vary from heavy duty to extremely lightweight, and many workshops prefer to keep a varied stock to cover every situation. Filter the Alibaba router listings to find the ideal stainless steel cutting cnc router. You can search for specific wood router models and toggle specifications like weight, power rating, cutting style, throughput rates, table configuration, and many other important features. That way, you can pick a fixed router for heavy processing or the most portable wholesale routers for on-site carpentry. Whether you are cutting dado rails for home construction projects or working on complex sculptures, the wood router selection at Alibaba has what you need. Page 27 Like control of woodworking tasks and streamline production with a 48 cnc router from the Alibaba tools marketplace. Our marketplace features a huge range of wood router tools, with CNC machines, manual routers, hand-held devices, and all of the specialist tools carpenters could need. Pick vertical or horizontal routers, add a router table to your workshop, or kit your construction team with portable wood shaping tools to give them the capabilities they need. It's all available wholesale at Alibaba. Finding the right 48 cnc router couldn't be easier. When you search the wholesale wood router and 48 cnc router listings at Alibaba, you'll find a massive selection of styles, sizes and brands. To start with, there are many CNC routers. These larger wood shaping stations fit into industrial settings and often have the most versatile cutting systems. They can be programmed and automated for high volume production - handy when producing furniture, frames, or toys. Simpler routers include plunge routers to create recesses and grooves, fixed base routers for edge shaping, and standard routers for general wood shaping. Routers tend to vary from heavy duty to extremely lightweight, and many workshops prefer to keep a varied stock to cover every situation. Filter the Alibaba router listings to find the ideal 48 cnc router. You can search for specific wood router models and toggle specifications like weight, power rating, cutting style, throughput rates, table configuration, and many other important features. That way, you can pick a fixed router for heavy processing or the most portable wholesale routers for on-site carpentry. Whether you are cutting dado rails for home construction projects or working on complex sculptures, the wood router selection at Alibaba has what you need. Page 28 Report Suspicious Activity Part STORE Forums > Open Builds > Laser Cutters > Some features disabled for guests. Register Today. Part STORE Forums > Open Builds > Laser Cutters >

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