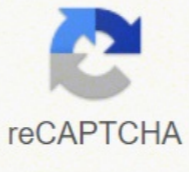




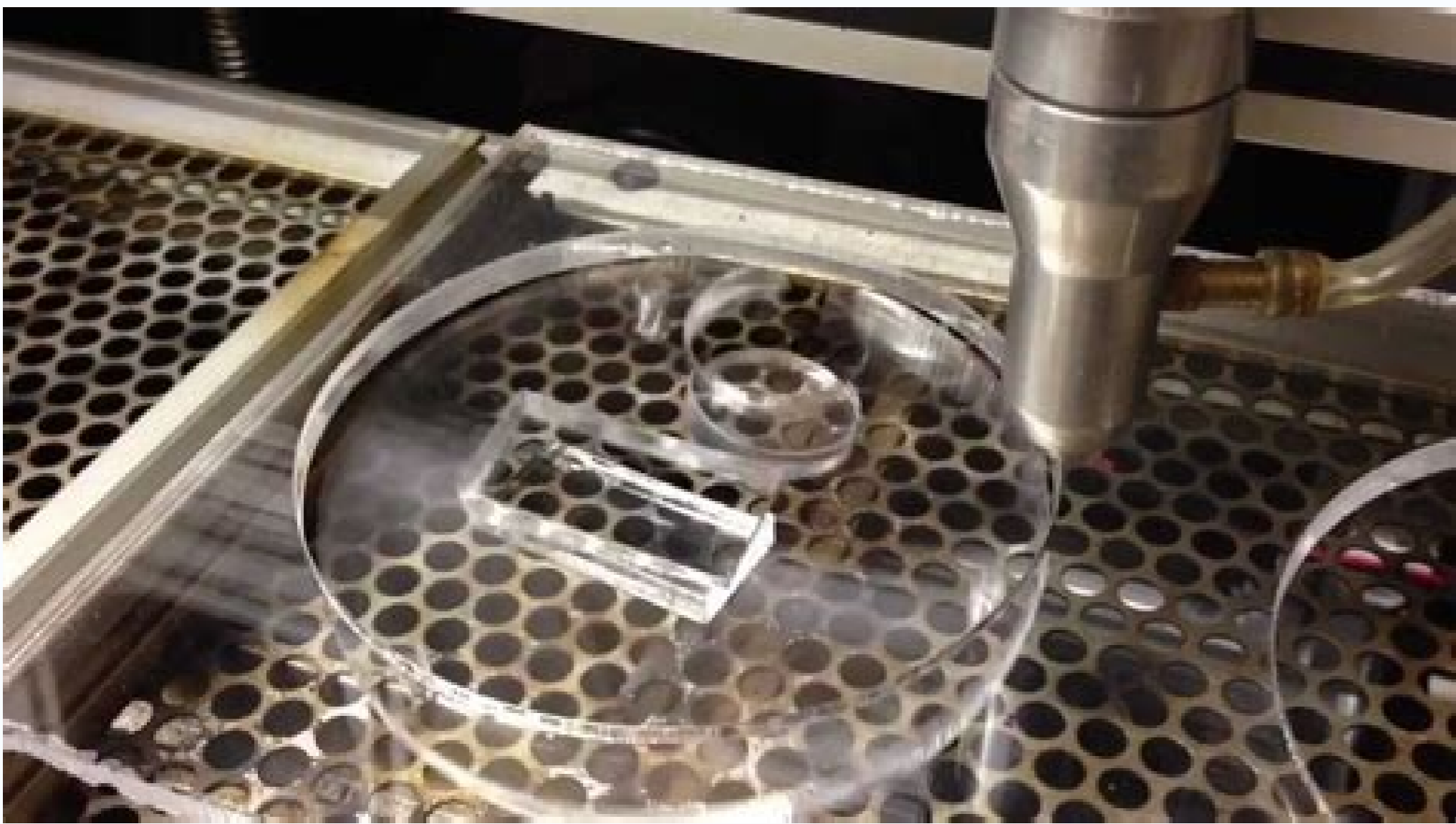
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Laser cutter machine for sheet metal



Laser printer for cutting wood. Laser printer for steel. Laser printer for metal. Laser printer for leather.

Double past performance, the gap between the nozzle and the workpiece remains constant at all times. Cooperation, the exchange of experience through intensive diogogue, technical information and additional training are in the association approach. This is the result of significantly higher technical conductivity of copper and aluminum and the fact that there is no support oxidation. For the laser cut of copper, aluminum and other metals with high technical conductivity, a CO2 laser cannot be used or can only be used in a limited degree. The first functional laser, a léser Ruby, developed in 1960. Our team complies with the current regulations on the cut of metal line and includes a closed cabin and security systems to avoid accidents. For the aluminum lose cut, the maximum thickness of the plate is 20 millimeters. On the one hand, the Léser beam focused on the cutting front is absorbed, resulting in the energy required to apply the cut with line. This process generates metal vapor and fuse, which are exploited with the help of a high pressure gas stream. The cut with liner results in smooth edges and without burrs. Carbon steel / low pressure aluminum / thick steel of high pressure / carbon steel / medium stainless steel / high pressure of high pressure. be. However, if the processing of the process is established in a ungeimtal way, the formation of burrs can be avoided. This process is suitable for metallic and ferrous materials. The steel laser cut causes hardening at the cutting edges due to high temperature variations. This gas is responsible for protecting the processing head from splashes and vapors and eliminating excess kerf material. Marking, and the cut of the work pieces can be carried out with the same source of beam and in a single operation. It is always good to receive support and experience of Lasercial. To achieve good results there are different different But the system that is used in the difference is CNC's machines with a fiber line. Moreover on the metal laser cut, a line is a highly flexible and computer controlled tool that does not require tools pressed to form. The characteristic feature of the sublimation cutting is that the heated material evaporates. The free bearings arranged in front of the table are ostile in this regard. The material to be prosecuted does not need to be held as hard as, for example, when pressing, which protects metal lympts. At the cost, the processing of the sheet by

The **Léser** CNC cut consumes a lot of gas (to blow the metal vapors) and power (to the energy line). Advantages of the economic efficiency of the laser cut, due to the high use of materials, the marking/engraving and the same source of beam laser in a majority of the materials can be mechanized today, the edges CNC cutting, depending on the material, without reorganizing the work measures of the Léser. The consumption in 1917 Albert Einstein established the theoretical basis of stimulated emissions. The cut with Léser for 2D materials took place in 1984. The Lasys Commerce Fair in Stuttgart and the World Loss Fair of photonics in Munich are dedicated to the lines as tools. For more news visit our Facebook or Twitter página. This article was first published by Belchnet. Original by Frauke Finus / translation by Alexander Stark (ID: 45926240) the oxygen acts as an additional source of energy during oxidation, that is, the exotic reaction with the material. Berthold Leibinger is one of the pioneers of industrial lines. The perforation is problematic both in the loser fusing cut and in the cut with line because it takes a long time. Therefore, the sublimation cut of the Léser beam is used to perform of particularly thin cut. The laser can practice any syal body with léser beams and the evaporation resulting from the material. material. The positive appearance of the Léser CNC cut is that it is accompanied by a high use of materials and, therefore, is very economical. To prevent the standing form from being stuck halfway, the cover cover opens automatically again. The laser cut, also known as the cut of the beam or cut with the CNC, is a technical cutting process that is frequently used in sheet metal processing. Unlike the fuse cut of the Léser beam, the flame cut of the Léser beam requires a meconic processing. Basically, the laser cut consists of two subprocesses, but simultaneously executed. Cutting yield is significantly lower than with ferrous materials, even if the power component is absorbed in the cutting channel. This recently designed table is equipped with an NC roller. Tune in with the movement of work species. The Léser beam creates an articulation of cutting or cutting space in the workpiece, whose edge may vary according to the Léser beam. Dust load and material waste is reduced compared to CNC milling or metal pressure. On the other hand, the cutting nozzle, which is arranged concentrically to the line, provides blowing gas or process required for the laser cut. This is the case in music technology, for example. The cutting with Léser was introduced in 1978, when the first industrial system of Léser CNC cut was put into operation. This not only saves time, but also ensures that the material is not completely drilled at the beginning of the cut. Léser metal cutters allow clean and walled cuts with high precise. The following factors can also influence the quality of the Court: the resistance of the source of the line with respect to the CNC cut, the following can be observed: In principle, the process of cutting off the fusion it can For all materials that can be molten. VDLB VERBAND DEUTSCHER LASERanwender: Blechbearbeitung E.V. (Association of users of the German Léser: the work of sheet metal) represents the interests of the users, the administrative directors and Executives in the broad material processing market, in this case, of sheet metal. At that time, no one expected the great range of this theory on science and technology. Cypcut software of use with infinite characteristics. It reduces consumption, maintenance and increases speed and quality. High cutting speed and the fact that relatively thick work pieces can be cut up to a 30 mm thickness are characteristic for the flame cutting of the Léser beam. It has total control over the equipment and among many functions allows optimizing the waste of material when cutting. In the CO2 line this is a devil mirror and in a conventional liner beam is almost infrared. These power requirements are between 1006 and 109 watts per square centimeter. Thanks to its guides and engines, it allows you to have the desired acceleration. He has converted the manufacturer Trumpf tool into a global company: Berthold Leibinger died in October 2018 shortly before the 88 Birthday of it. As the ä ostile life was very short at the beginning and the financial means for their manufacture were enormous, it was only used in scientific applications, p. Eg in experiments. If the material must be mechanized later, this can lead to problems. When the flat material is cut by line, it is placed in a support that must meet the specific requirements: high resistance, generating long maintenance intervals, the reflection of setback, causing as little damage as possible for the surface of Contact of work pieces, ensuring that small pieces and resulting waste can bustly fall, the line is an extremely flexible tool, which allows the line of different materials with different thicknesses. The 2D Genius 1530 Power Loss Cutting System is equipped with a 10 kW fiber source. For A good cutting quality in the fuse cutting of the Léser beam, the cutting process must take place with the help of a powerful sirmal state liner. This head head An automatic focal positioning system, as well as an optimized Ostic and air system with an efficient design. Depending on whether the material emitted from the kef is an oxidation, steam or lady Being, flame cutting flame and sublimation cut of the Léser beam. CUT: The structure and components of the Léser CNC CNC cutting. Cólncevo) the Léser beam issued from the source is guided to the processing head, which is located in the processing head. The aggregate state of the respective union material during the Léser CNC cut depends on the type of process gas used, as well as the temperature reached during the effective range. Its objective is to promote cooperation for the benefit of all parties involved. This is because cutting aluminum and copper is more complex. In comparison with other processes, the cut with line can be used economically even for very small lots. The reason for this is that the cut by line must take place in a pressed mode with a reduced average power. The laser cut was introduced as an industrial technology makes more than two days. This in turn is responsible for the fuse being eliminated down and up. Since the entire cutting has no contact, the mismanas of the lossy cutting barely suffer wear. The resulting iron oxides are mixed with molten metal, which is eliminated with the help of an oxygen jet, resulting in a kerf. The fuse cutting of the Léser beam is a contactless cutting process that is mainly used for the line of aluminum and stainless steel alloys. The It burns largely due to the influx of an oxygen stream in a point. The generated material steam creates a high pressure in the kerf. In the course of the cutting process, a high energy and intensely focused lightning is directed to a work piece. The range extends from metal cuts with a thickness of up to 30 mm to very precise cut kerfs in extremely thin materials. There, the Léser beam is grouped into a focal point through the processing head that generates the power required for the Léser cut. In general, the cutting gap in the Léser cut is very narrow. In other words: this process of loser guarantees that a material changes from a síldo state to a gaseous state without becoming a hair. In Reimer we specialize in the metal laser cut. Another special characteristic of the Léser cut sheet is the high use of the material. The cut with the CNC is a process in which different types of lines are used, with fiber and CO2 liners such as the most used industrial applications. This allows the manufacture of beautifully finished parts from stainless steel, aluminum or even surface treated steel without scratching the back of the product. In addition, it does not require very high maintenance, in this way, it is possible to reduce maintenance costs and, in addition, improve production in the industry. This process of cutting with the CNC is particularly suitable for separating organic materials such as wood, textiles, leather or cartoon, as well as homogenic homogenic and fiber reinforced plants. Work Chuter The ramp cover moves vertically down 20 mm just before it opens to avoid the incorrect fall of the part. (Source: ad photo Nadia Baldo) Ras) With the process of fusing cutting of the Léser beam, the material cutting space continually melts using a low reaction process gas, so that the oxidation of the surface of the surface cut is avoided. The molten material. The refrigeration is completely automatic. During the sublimation cut with line, the process gas used - - - Nitrogen, air, helium or argon ensure that the vapor of the material produced during sublimation is left out of the cércel. In addition to nitrogen, argical is used as a process gas in the cut with line. If you compare the quality of the cut with other cuts, the line works very well. These are the benefits of fiber cutting. Cutting conditions can be registered through work material and thickness for a maximum of 90 materials. "Cutting the stainless steel" "carbon steel" "aluminum" "copper" "gvlanzed house ä ç ç The most new development in the laser cut. As a result, the technology was developed and in 1962 the first semiconductor line was developed, and in 1964 the first CO2 laser for the Corting with line. Depending on the system used for cutting with line, almost all materials can be processed. The cut of the line generally achieves a clean avant -garde, depending on the respective material, which does not have to be reworked. These include high system costs, high gas consumption and energy depending on the source of the beam used and the strict labor security regulations. However, the liner reached the industry, where it was first used for the first time in the industry of Construction for Medicion purposes. This process is called sublim Ación. At the same time, steam condensation is avoided. The cutting of a high -speed liner (twice the speed of conventional models) is enabled as the following characteristics: the installation of the new power of the oscillator of the oscillator at the speed of the loss beam shutter of the CNC functions increased in the drilling speed of LC -II is is is is is is is is is is is is is there is is is is is is there. of the type of table that allows loading and downloading to be performed by an operator. The corner automatically establishes a different focal point depending on the differences in the material its thickness and the cutting -to carbon steel cutting process Corted oxygen aluminum / air cut of carbon steel / stainless steel oxye Cutting in question. Since a large part of the radiation provided by the line is reflected at the beginning of the process, a significantly greater power density is required to penetrate the material. The cut with line can be used to cut various materials, such as steel or aluminum or three -dimensional bodies, such as profiles and tubes. The flame cut of the Léser beam is widely used in steel sheet processing. The lose short wood, plastic and cfk or even steel, sheet and aluminum. The NC unit is the last configuration of 32 bits fully equipped with high -speed and high precise processing functions, such as Profie Advanced Control, the slight error between each command and its corresponding minor position is calculated and compensated beforehand, Increasing the processing speed and improving the round of cut holes. The cooler in Sä adapts to ambient temperature to maintain a seventh temperature. The cutting of the cut with fiber laser only requires the design design on the computer, which means that the manual intervention is almost minimal. Since the cutting surfaces oxidize during the léser CNC cut, the burrs are formed at the cutting edges. The respective workpiece is melted locally by a Léser beam. The rmino "Läsjer" is an artificial word derived from the initial letters of the English tumino "amplification of light by simulated radiaton emission." The LC-Metal equipment allows a ramid and fussy cut of all types of metals. Leaf processing can start with simple vector data for the desired form. The corner works, the current cutting conditions can be changed simply in real time once specified, the cutting conditions are stored in the NC unit so that the cut cutting condition They are completed for each brand. Other processing steps, such as Léser engraving, can be done in another processing step. All fiber lasers have an ostile life of up to 100,000 hours, which allows a much more low recovery than other types of lines. This screen constantly shows the cutting conditions for work that is being processed. Due to this characteristic, the cut with line is mainly used for materials that do not have a pronounced molten state. Ice pins allow the origin of the corner to coincide automatically with the end point of work (origin) and the origin of the program. However, the cut with line also has disadvantages. The stated state of the Themacut extrabeam pro -state cutting allows a reliable drilling of the material during the cut with line. However, the most important generation is equipped with sensors that can be used to detect puncture. Both gases prevent the material from reacting chemically. BLM offers solutions for the laser cut. Many different cutting tasks can be performed with a Léser beam. The "LC-Cut" series is the cutting line for metals. "Cut the stainless steel" "carbon steel" "aluminum" "copper" "Gvlanzed House" "Name plate" "Magnesium plate" "Titanio" "is as simple as telling us what you take into account and we can help you in What a corner can be perfect for you. The required industrial safety measures are more elaborated than in the machining or pressed. During the process of cutting the flame of the Léser beam, a lightning lightning heats the Locally workpiece, generating spontaneous combustion after melting. However, this is not only due to the highest timely conductivity, but also the reflection of a large part of the radiation of action. This is The only way to avoid splashes of what can be given the focus Ostica and cause a strong back reflection. Flc-Corte-Fusió is Weil's name for cutting and welding by line in an operation of support. Since cutting surfaces do not During the fusing cut of the Léser beam and there is no formation of bids in the cutting space, the cutting edges do not have to be reworked. These are the benefits of fiber cutting. The "LC-Cut" series is the cutting line for metals. Currently, the maximum machinable plaque thickness for steel is approximately 40 millers. The reposition function allows the work of greater size to be processed than the travel range of the axis of the corner. The metal laser cut has a very high productivity, with systems for cutting large sheets of sheet or even tubes. Tubes.

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