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There are Specific Characteristics of Metal Fabricators by Fred Lannister

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Precision work is very important for metal fabricators because if you are even a few degrees off in your cuts or bends, it can ruin the entire project. Dependable tools that can provide high levels of performance for many years can help you remain productive and effective and, most of all, profitable.

Fabricators have to make use of numerous tools, from shears and lathes to milling machines and drill presses. When you are picking out your tools, you need to take time and make sure that they have the capabilities to provide the results you need and the durability to stand up to all the work they will have to do. For example, there are some specific characteristics you should look for on different machines.

Vertical Band Saw

Cutting metal is a precise application, and there is not a lot of room for error. A vertical band saw provides the control and cutting power you need and permit you to do curved cuts as well. When you look at the different models available, make certain you selected a design that uses high-quality components for tight cut tolerances and fast cut times.

Everything from the table size to the frame and base need to meet your companyâ€™s requirements, and you need to pay particular attention to the blade specifications. Finally, if you plan on using your vertical band saw for extreme amounts of work, make certain that the motor and the transmission will be able to handle the load.

Tube Benders

Bending a metal tube without folding the material entirely in half can be a delicate process that requires special equipment. Tube benders can be both manual or hydraulic, and lots of of them have computers attached to enhance the precision and ensure the perfect bend every time. Metal fabricators that produce a high volume of products generally understand how critical this kind of consistent precision really is.

Manual tube benders are often used for delicate projects like brake lines and furnishings, but they may also be used for bigger products like motorcycle chassis, roll cages, handrails and more. Hydraulic benders, however, may be used when more power is required and are great for large industrial projects.

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Working with metal is an art and it's important to have quality equipment and machines that can help you form the designs you envision. If you are doing heavy duty metal bending using a a pipe bender, hydraulic press brake, or other such equipment can really speed up the process. Also, adding a a vertical band saw will give you a lot of options while producing quality work.

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