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Six Advantages of Carbon Vanes by [Stevan Gerrand](#)

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Carbon vanes may be the perfect answer when it comes to replacing parts, especially if you are dealing with rotary pumps of any kind. Of course if you have another type of part you've been using with the pump for a long time, it may be difficult to even think about switching, but here are six reasons you should consider carbon vanes rather than other types:

They lubricate themselves. The best property of carbon vanes is that they lubricate themselves, even when you are running them dry. This cuts down on the amount of maintenance you have to do, even reducing the amount of down time your machines will have.

Carbon vanes last a long time. Most people don't realize just how long carbon vanes will last. This material's exceptional hardness, excellent strength, and good impact resistance combine to create a product that seem to last forever—at least in terms of your machine.

They work well for both pharmaceutical and food industries. One of the biggest problems in the food and pharmaceutical industries is finding machine parts that are safe to use around things that will be consumed by humans. Carbon vanes are perfect for pumps and machines that will be around foods or other consumables.

Carbon vanes have a low coefficient of thermal expansion. There are plenty of applications where the temperature fluctuates widely, especially on the higher end of the heat spectrum. Carbon vanes will hold up well through all of this.

They're safe to breathe in. Even companies that are making breathing air supply units will find that these types of vanes are perfect for their pump uses. This material is safe for this type of application, which is also a pretty standard use of it.

Carbon vanes have a wide variety of applications. They are commonly used in the printing industry, medical and laboratory environments, pond aeration, and numerous other areas.

The level of maintenance offered with carbon vane versions of these machines is much lower, and they also operate at very low noise levels in comparison. Some company offers carbon vanes and everything needed to keep the machines that use them in good working order. The company has all the grades and sizes in stock so that they can quickly and easily make exactly what you need. Their custom grinding equipment will turn out vanes that perform the best they possibly can.

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