



## When Is It Worthwhile To Create A Custom Vfd?

VFDs are a critical component in today's industrial facilities. They help control the speed of an electric motor by adjusting the frequency of the electrical power. [Vfd suppliers in Ahmedabad](#) are ideal for adjusting fan or pump speeds to match the required output in an application, when compared to a fixed-speed motor.

In fact, VFDs can help reduce electricity costs by as much as 60 percent when compared with a fixed-speed motor operating at constant speeds during start-up and shutdown periods.

Variable frequency drives (VFDs) help control the speed of an electric motor by adjusting the frequency of the electrical power.

VFDs are used in many applications, including pumps, fans, conveyors, compressors and even machine tools.

They're also found in three-phase motors where they control how many poles are running on each phase of your electrical system so you can save energy and money by matching your loads with what's available from your utility company during peak periods when demand is highest (for example: summer months).

VFDs are also used to control fan speeds, pump speeds and other applications where speed control is important. For example, you can use a VFD to adjust the output of a centrifugal pump or fan from zero RPM up to full speed depending on your application requirements.

### **Makes sense to consider a custom design when your application requires a significant departure from existing industry standards**

It makes sense to consider a custom design when your application requires a significant departure from existing industry standards or if there are conflicting demands from various stakeholders within your company.



Examples of conflicting demands can include operations engineers who desire optional features not found on standard VFDs and maintenance engineers who want to simplify spare parts inventory and manufacturer service agreements for readily available drives in their geographic location.

If you have the resources, then it is worth considering working with a reputable vfd suppliers in Ahmedabad that can provide these services. Some manufacturers offer this service while others may require that you work with an experienced third-party provider.

If you are not in a position to design a custom VFD for your application, then there are several industry-standard designs that can be used as starting points. A good place to start is by considering the parameters of your application and determining which of these factors may have the most impact on performance, cost, or reliability:

## Conclusion

We hope that you're now convinced of the benefits of custom VFDs and ready to start your own design process. If you would like to learn more about vfd products, please contact **vfd suppliers in Ahmedabad** to get more accurate information.

Source: [When Is It Worthwhile To Create A Custom Vfd?](#)