

# Silicon Prices on the Rise: What You Need to Know

If you're a business owner who relies on silicon to create your products, then you need to be aware of the current market trends. Silicon prices have been on the rise in recent months, and they don't show any signs of dropping anytime soon. So what does this mean for your business? In this blog post, we will discuss the current state of the silicon market and what you can do to prepare for these rising prices.

[Silicon prices](#) are up! That's right, the cost of a vital ingredient used in everything from computers and electronics has gone through the roof. While some people worry that this will have an impact on our daily lives as consumers - especially given its importance within many modern technologies such as smartphones or tablets- others see opportunity for entrepreneurs with innovative ideas about how they might be able to take advantage by selling their products cheaper than competitors due at least partly because the higher prices imposed upon them thanks largely to demand exceeding supply over recent years .

Silicon is one mineral found naturally occurring throughout Earth's crust but it only accounts for 2% by weight so there must be other sources being used now like aluminum which costs nearly double what you would expect if just

## What Are the Factors That Influence Silicon Wafer Prices?



## Manufacturing Cost

While silicon in the form of silicates makes up over 25% of the Earth's crust, wafer production requires the transformation of silicon into its purest form. The extraction of silicon from quartz rock won't be enough to change the element's properties and electrical characteristics. In other words, pure silicon isn't naturally produced. To achieve its desired form that's fit for wafer production, extracted silicon has to undergo a refining process before it is mixed with a dopant. This lengthy and tedious process that significantly affects the total cost of its production also determines the price for this commodity.

## Equipment

The creation of silicon wafers requires the use of highly specialized equipment. Various types of complex and heavy machines are needed to grow and buffer silicon ingots before they're sliced into wafers. The cost of each piece of equipment is baked into the overall manufacturing cost of these silicon products.

## Utility and Demand

Since silicon wafers are a major component of semiconductor and integrated circuit manufacturing, these are used by tech companies and OEMs across a wide spectrum of industries. According to research, [semiconductor](#) sales across the globe have increased from \$149.4 billion in 1999 to about \$413.3 billion in 2019. Based on this rising trend, worldwide semiconductor industry sales are expected to reach \$460 billion by the end of 2021. It's important to note that global semiconductor sales are mainly driven by products that are purchased by consumers. These include laptops and various communication devices such as smartphones. As the demand for electronics increases, so does the price of the silicon material used for creating wafers and semiconductors.

Silicon prices are on the rise, so what does that mean for your business? Well, it means you need to start stocking up now. Prices are only going to continue to go up, so don't wait until the last minute and find yourself paying double or even triple the price. Keep an eye on our blog for updates on silicon prices; we'll be sure to let you know when it's time to buy in bulk!



### **Interested To Learn More About Silicon Prices?**

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