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Silicon Dicing As a Lucrative Business by James Blee

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For people who are aware of the features and quality of services of diamond dicing, the increasing popularity silicon dicing might come up as a huge surprise. It is true matter of fact that comparing the two, the former is undoubtedly better and produces much better results. However, the problem with diamond machining oriented operations is its high costs, need for skilled labor and several other technical requisites which are not only difficult to handle but also requires a substantial requirement which many investors are struggling to afford, particularly at present in the times of global recession.

Therefore, despite several complications and relatively inferior quality of services, silicon dicing has been coming up as a cheap and prospective alternative for the industrial sectors. One of the main reasons that make it a lucrative business as of now is the great return money at disposal. With more and more people starting to opt for this very option, it has gradually given rise to may sub categories of services as well such as quartz, glass, ceramic dicing and many others.

silicon wafer dicing is also used for stacked and embedded memory applications as well. During operations, one of the chief problems that arise is the problem of backside chipping while resorting to mechanical sawing leading to a substantial reduction in the overall yield or throughput. To maintain higher levels of yields, it is necessary to control the feed speed of the saw and preferably set it at a relatively slower level.

This problem have however been overcome to a great extent with the introduction of the scientific laser sawing. This not only yields a much better yield and quality of products but is also simple to operate which allows the factories to get the job executed with a relatively smaller team of professionals.

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