

What is laser welded diamond blade, how to distinguish it with other blades?

There are three kinds of welding method for [diamond blade](#), including laser welded, sintered and high frequency welded. How to distinguish laser welded diamond blade with other saw blades? It is simple and easy by looking at where the diamond segments meet the core of the blade can help you getting a sense of which welding method was used.

When you look at that edge where the [diamond segments](#) meet the blade core, you will see a rough weld. It is not smooth or flat, it is jagged and rough. This is indicative of the laser welding process.

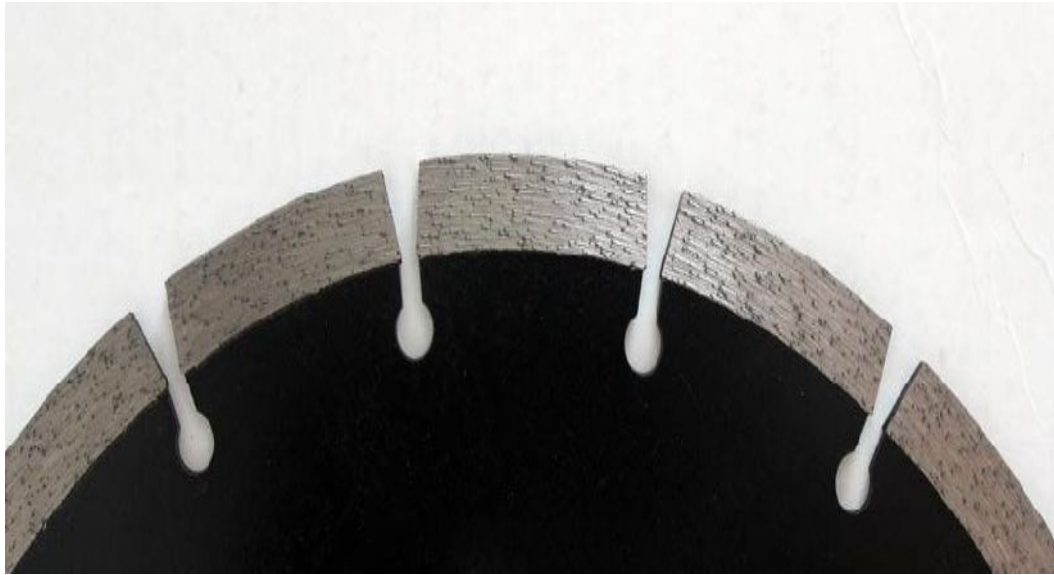
The following images are



Laser welded diamond blades



High Frequency Diamond Saw blades -Use in Stone industry mainly.



Sintered diamond saw blades, all the diameter less than 300mm/12inch

The main advantages and benefits of laser welded diamond blades over other welding methods are:

- the depth and width of the weld area is large.
- the weld is extremely accurate, so the blade core is very minimally affected.
- laser welded can withstand higher temperatures during cutting and extending blade life significantly.
- The most important point is that the diamond segments would not drop during cutting.

Laser welded diamond blade is used in construction industry mainly, especially in [concrete cutting](#). Some concrete contains steel bars, the temperature of diamond segments goes up quickly when cutting the steel bars in concrete, the diamond blade segments may drop, it is very dangerous to the operators.

The disadvantage of laser welding diamond blade is that the diamond

segments can not be replaced like high frequency welding blades when they are used up, and thus the cores are wasted.

If you have any questions on any of the welds, please feel free to comment or email us directly. Our engineers are glad to serve you.

Related Articles:

- a. [How to Cut a Concrete With Diamond Circular Saw?](#)
- b. [How do you choose the right diamond saw blade?](#)
- c. [Buy Concrete Diamond Blades for Building Contractors.](#)
- d. [What is the diamond segment welding technique?](#)



Different grades of diamond tool & diamond blade are designed and manufactured according to different market demands, ChinShine sales&marketing department II is in charge of the marketing & sales business towards Europe, America and other areas where high grade tools are needed .

Due to the specific focus on high-grade diamond tools, our

department wouldn't accept low-grade products order and low-price OEM order. With the support of senior professors in local university, we have established a super hard material lab specializing in researches in diamond and all sorts of metal powder, keeping refining the diamond mixture to manufacture diamond segments. In addition, we are a member of the diamond saw blade association and the stone association where we have the opportunity to gain acquaintance with the newest and the best diamond tools technique and stone from all over the world. Based on this advantage, ChinShine is striving to become the best cost-effect manufacturer of stone cutting tools and diamond tools.

By forceful technical support and scientific research, we have been experimenting new cutting materials and new diamond formula to lower the cost on the premise of high quality. As a member of the China(Xiamen) stone association, we have many opportunities to use diamond blades, diamond segments and other diamond grinding abrasive tools to test hundreds of stones from all over the world.

Various stones technical information provided by customers is also highly appreciated to help our researches.

Another advantage is that we are adept in producing special & complex tools including diamond saw blades and diamond

segments which are applicable to concrete and stone industry. If you have special demands, Chinshine II is the best Choice.



Name: Quanzhou ChinShine(CS) Diamond Tools Co.,Ltd. -China

Diamond Blade Organizer

Phone: +86-59251-17207(Ext:2)

Fax: +86-59260-51397

Mobile: +86-1539-6257291 -English

Email: sales@diamond-blade.org

Technique Support: info@diamond-blade.org

<http://www.diamond-blade.org>

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