

Yansam Tools Machinery Launches Metal Sawing Tools



HSS Circular Saws

Lishui, Zhejiang Jul 13, 2022 ([Issuewire.com](https://www.issuewire.com)) - **Yansam Tools Machinery**, a leading cutting tool manufacturer in China established in 2004, specializing in the field of metal sawing tools, research, development, production, and sales. They are a national high-tech enterprise in China. They have a range of products on their website (www.yansamtool.com).

The range of products they have announced includes [HSS Circular Saw](#), [HSS And DIN Circular Saw Blades](#), [Cermet Saw Blades](#), [Carbide Saw Blades](#), [Solid Carbide DIN Saws](#), and **Circular**

Knives.

HSS saw blades, also known as cold saws, are used to cut ferrous and non-ferrous metal materials. High-speed steel (HSS) consists of carbon (C), tungsten (W), molybdenum (Mo), chromium (Cr), and vanadium (V), and can be alloyed with additional cobalt.

They are characterized by high hardness, strong resistance to softening at high temperatures, and can maintain a high level of hardness at 600 °C or above. In addition, the cutting speed of HSS can reach more than 60 meters per minute. Therefore, they call it high-speed steel (HSS) saw blade.

They are less expensive but relatively easier to dull compared with similar products. In addition, **HSS saw blades** can be sharpened with a sharpener or CNC grinder, reducing costs. To date, HSS saw blades have the lowest cost per cut of all sawing methods.

Cermet is a special product obtained through synthesizing ceramic dust, silicon carbides, and metal oxides that are resistant to the highest temperatures, such as chrome, cobalt, nickel, titanium, aluminum, and tungsten. Cermet is a material with a hardness between silicon carbide and diamond. It is very resistant to high cutting temperatures and is able to withstand extremely high machining rates. Cermet generates an excellent surface finish on the cut material and an extra-long tool life.

HM DIN saw blades are manufactured without a hub, with very low parallelism, and feature teeth according to norm Din 1837 A (tooth form A industrial standard) and Din 1838 B (tooth B form). They grind all the surfaces with mirror finishing in order to obtain the best cutting results. The only carbide they use for the saws is an extra-fine grain, manufactured by a Swiss producer.

The [circular knives](#) are usually sharpened like a linear blade knife, and can be with or without teeth depending on the materials they have to cut. Technical advances in blade geometry and the experience that they have acquired across several applications show that for some materials a specific tooth type or a particular notch considerably increases cutting performance. They normally manufacture knives to specific customer designs.

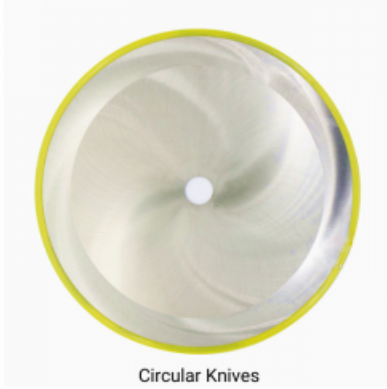
They accept OEM, and ODM, and the blades are customized according to customers' demands.

“For **HSS saw blade**, everyone has different special concerns about it, and what we do is to maximize the product requirements of each customer, so the quality of our HSS saw blade has been well received by many customers...”, said company CEO, Zhenhuai Xu.

[Yansam Tools](#) has modern workshops, automatic production lines, NACHI vacuum heat treatment equipment, high-performance PVD coating equipment, a high-precision 4-axis CNC gear grinding machine, and various advanced equipment and instruments for precision testing.



Cermet Saw Blades



Circular Knives



Solid Carbide DIN Saws

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