iAbrasive Makes A Brief Introduction About Superhard Materials

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Zhengzhou, China (PRWEB) April 23, 2014 -- Ray, the general manager of iAbrasive, makes a brief introduction on Tuesday about superhard materials. Superhard materials, as its name suggests, are materials with extremely high hardness. This kind of material was first recognized by mankind as diamond, or what we call "jewel diamond". Natural diamond is mining below the earth’s surface; most natural diamonds have monocrystal structures. The larger the crystal is, the higher the value will be. It’s weight is measured by carat—1 carat equals 0.2 gram—and mainly used in accessories such as diamond ring and diamond necklace. Fine particles can be either made into cutters for non-ferrous metals or be used as abrasives to make various kinds of abrasive tools.

Man-made diamond is called synthetic diamond. The technology was first introduced to China in the late 1950s when quite a number of companies came to know that diamonds can be made by human but they didn’t put the idea into effect due to the lack of high voltage equipments. Everything comes to him who waits. In 1963, the first synthetic diamond in China was born under the cooperation of General Machinery Research Institute, Institute of Abrasives Grinding and the Academy of Geological Sciences. In 1966, together with the effort of Institute of Grinding, the Institute of Casting and Machinery Research in China achieved tremendous success in the launch of Cubic Press, which laid the foundation of synthetic diamond and pioneered the synthetic diamond industry in China. "It is fifty years up till now", says Ray.

I firmly believed that we shall take the opportunity of the fiftieth year for China superhard materials to gain new accomplishments and give evidence to the word that "Science and technology constitute a primary productive force". All of us shall strive for the promising future of China superhard materials. Ray added.

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