

60 years of Dr. Fritsch

Milestones for the Diamond Tool Industry



Since the foundation of the company in 1953, so for already 60 years, the name Dr. Fritsch has stood for highest quality and processing standards in the development and production of machines for the diamond tool industry. Moreover, the research and development of particularly high-quality sinter metal powders has been part of our business for decades. Since 2010 we are also distributing industrial diamonds.

The success story of Dr. Fritsch started with the trade of diamond dies. The diamond tool industry had continuously been growing, but the breakthrough in the production of tools came as soon as synthetic diamond was available in larger quantities. Due to the increasing demand, Dr. Fritsch developed the Sintering Press DSP 6 for the production of segments for grinding wheels and saws.



What once started with the Sintering Press DSP 6 ...

First production in the garage

In the early days the machines were developed in a one-room-apartment and manufactured resp. demonstrated in several garages. There was neither a workshop nor a research and development laboratory available. In order to gain new customers, the DSP 6 – which was much smaller than today's sintering presses – was packed into the boot of a Mercedes and demonstrated to potential customers on site.

The manager, Mr. Karl Weber, understood from the very beginning that only the active exchange with the customers, the knowledge of their needs, a detailed analysis of the

market and a comprehensive service, can make a business successful. This philosophy hasn't changed ever since.

Our highly qualified service technicians are at the disposal of our customers worldwide, in order to guarantee a smooth running production.

Our service includes commissioning and maintenance of the machines, spare part supply, extensive assistance and advice, appropriate training and know-how transfer.

Dr. Fritsch has exhibited its own machines for the first time on a fair in Kiev in 1976. It is worth mentioning that the success of the fair was also due to the fact, that Dr. Fritsch was the only exhibitor who offered the visitors snacks and drinks.

Ever since, the numbers of fairs in which we are participating has steadily increased. Nowadays we present our machines and powders at important national and international fairs like the Marmomacc in Verona, Italy, the BAUMA in Munich and the Stone Fair in Xiamen, China.

In 1984 a further step was made to strengthen the position of the company within the diamond tool industry. Due to the steady growth it became necessary to divide Dr. Fritsch into two business units - machines and powders - and subsequently establish two separate companies: Dr. Fritsch Sondermaschinen GmbH for machines and Dr. Fritsch GmbH & Co. KG for metal powder.



Metal powders from A to Z

The foundation of Dr. Fritsch GmbH & Co. KG – in short, Dr. Fritsch Metal Powder – was the basis for the expansion of our business. While in the past our priority was to support customers upon request in manufacturing diamond tools, at

this point we started the research and development of powders and bonds for different applications.

Initially we offered our customers only ready-to-use powder bonds. Today our product range includes not only bonds but also raw materials. From A like aluminium to Z like zinc, we provide nearly all raw materials which are used for manufacturing diamond tools, in any quantity and different package sizes.

For several years now, pre-alloyed materials and industrial diamond are completing our product range.

Furthermore we support our customers with services such as granulating and mixing or even developing powders to customer's specific request.

In 2002 Ute Wilkinson and Gerhard Weber took over the management and successfully continued the work started by their father Karl Weber. Further milestones have been set in the history of Dr. Fritsch like the foundation of Dr. Fritsch Machines & Powders Pvt. Ltd. in Bangalore, India in 2004.

Leading edge thinking for new challenges

Since the demands of a successful diamond tool production are changing rapidly, future-oriented concepts and actions are essential to cope with challenges.

A good example for this is the processing of materials like natural stone or reinforced concrete with diamond wire that has become increasingly important.

In particular the multi-wire saws for cutting thin slabs have an enormous growth potential.

For the production of green compacts for diamond wire saws Dr. Fritsch has developed the Bead Cold Press BCP 100. This machine offers a high productivity (up to 18 beads/min.) as well as a constant quality of



... has been optimized today with the Sintering Press DSP 518

the beads. In addition, the flexible concept of the machine allows the production of a great variety of bead dimensions.

Another innovation that has been introduced with the development and production of diamond tools is the use of granulated metal powder and diamond for the cold pressing of segments. One of the advantages of granulated powder is the even distribution in the segment and the considerably reduction of die wear. By using our latest innovation, the Granulating Machine GA 300, the benefits can even be maximized. With an output of up to 30 kg per hour the machine guarantees highest productivity and quality of the granules.

We would like to face the challenges of the future together with you and contribute to your success.

Finally we thank all our customers for their confidence and the long-standing cooperation.

Your Dr. Fritsch team