

RE-SHARPENING CUTTING TOOLS

Without excellent tool preparation, it is impossible to achieve great turning results. When using tools that can be re-sharpened, this operation is of prime importance.



Bandi SA is renowned for its expertise and its innovations in the field of bar turning for the watchmaking sector. The family business, established in 1970 in Courtételle in Switzerland, employs a workforce of 60, and is one of the highest performers in the production of very high-end components. The most complex parts in all alloys have become a daily process. Customer satisfaction has guaranteed the company's success as it continues to go from strength to strength.

Production quality depends on your equipment...

CEO of Bandi SA, Mr. Bandi is convinced that his company's success can be partly attributed to their choice of production equipment. It's not wise to try and economise on equipment if you want to continue to be successful in this market. This is why Bandi SA has its focus on high and consistent standards of quality when it comes to choosing our machines.

Agathon and Tornos began working together in the Courtételle workshops. In addition to the fact that the Agathon and Tornos sites are geographically close together, the two companies' experience in this sector has also been a crucial factor.

Mr. Bandi is convinced that running a bank of machines with 150 Deco units from Tornos without

an Agathon 175 DIA would be unthinkable. The top priority at present is the re-sharpening of steel carbides. Without good tool preparation it is not possible to achieve good turning results. In this context, an Agathon 175 DIA is the logical complement to a Tornos machine.

The advantages of these two machines are very clear. During the training process for Deco machines at Tornos in Moutier, hard metal turning tools are sharpened on an Agathon machine. In this way, the knowledge acquired can be put into practice immediately once staff is back in the workshop.

A quality sharpening machine...

Even after purchasing a machine, we continue to work a great deal with Agathon, explains Tornos Marketing Manager Mr. Brice Renggli: *"When it comes to questions of application, we can immediately rule out a source of error if the customer is working with a hard metal tool sharpening machine from Agathon. Poor quality parts can sometimes be the result of using an insufficiently precise sharpening machine. In principle, this can be ruled out when an Agathon machine is used."*

Mr. Crevoisier, a specialist at Bandi SA appreciates the advantages of the Agathon 175 DIA machine: *"The micrometer approach and the angular adjustments*

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deliver on their promises. The micrometer approach is equipped with a fixed drum that does not rotate when the tool holder oscillates, thus guaranteeing additional safety for the target dimension. Even when making angular adjustments with the basic tool holder the user can count on the accuracy of the angle set."



...offering many options

At Bandi SA, only bronze bond diamond grinding wheels are used on the Agathon 175 DIA machine. Compared to Bakelite bond grinding wheels, they last much longer, which more than justifies the higher purchase price.

Agathon offers a wide range of accessories for the 175 DIA. These are designed to cover almost any application imaginable. In addition to the standard tool holder, which is available in two sizes, it is also worth mentioning the manual sharpening table, the

chip breaker grinder and the chip breaker sharpening machine. The hard metal tool sharpening machine can also be fitted with a device to sharpen milling tools for circular and conical sharpening.

To find out more, contact:

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