
SPECIAL SOLUTIONS



We develop sonotrodes in all available materials and for a wide variety of applications.

The example shown above corresponds to a sonotrode which –contrary to the usual requirements- required a very high amount of transverse vibrations. The sonotrode was deployed at the stress test of a sensitive electronic component.

The most important requirement regarding this sonotrode was that the functional parts to be tested had to vibrate not only vertically but also horizontally, so as to simulate the stress conditions of a vehicle at full speed. This application placed high demands on its construction. The task would not be solved efficiently without a methodical engineering system and a computerised analysis.

Here are some more examples of other special applications: assembled sonotrodes or sonotrodes with a partial reinforcement of carbide.

When used with extreme high abrasion on very small work surfaces, the use of sonotrodes with replaceable tip may be very sensible. Such assembled sonotrodes are cheaper because only the tip has to be replaced. On a case-by-case basis we will gladly check if the development of these special “tips” is economically viable and technically feasible.



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