

Cost airbag for polishing processes

The latest generation of abrasive substances improves process security in surface refinement

The flawless surface treatment of aluminium work pieces is increasingly gaining importance in the automotive sector. Price pressure and rising standards for the look and feel of aluminium components define the polishing business of automobile industry suppliers. Consistent polishing results at the highest level are often difficult to achieve because of uncertainties in the process.

Surface refinement as the final step in the polishing process is especially prone to errors. Polishing marks and scratches are often due to the polishing powder itself. Defects lead to spending a lot of time on rework and to high scrap rates, both of which are costly. The larger the work pieces, the bigger the problem. Even very small, individual polishing marks are cause to reject entire parts.

As a countermeasure, Menzerna has invested in the development of innovative polishing technologies that prevent such effects. Polishing media that result in significantly lower scrap rates have been successfully developed in close cooperation with various suppliers.

What is the result? Our polishing powders of the latest generation set themselves apart with the virtually 100% elimination of coarse particles that can cause scratches. Only the finest abrasive material of the desired size is used in emulsions or solid pastes – guaranteed. Dr. Stephan Dech, Head of Development at Menzerna: “Even though coarser particles are removed from the polishing powders, the full removal rate is maintained. Damage to the work piece is effectively prevented.”

Menzerna thereby offers its customers a high level of process security for processing sensitive or delicate materials. Rework costs are eliminated and the scrap rate is reduced. A cost airbag for the entire customer process.