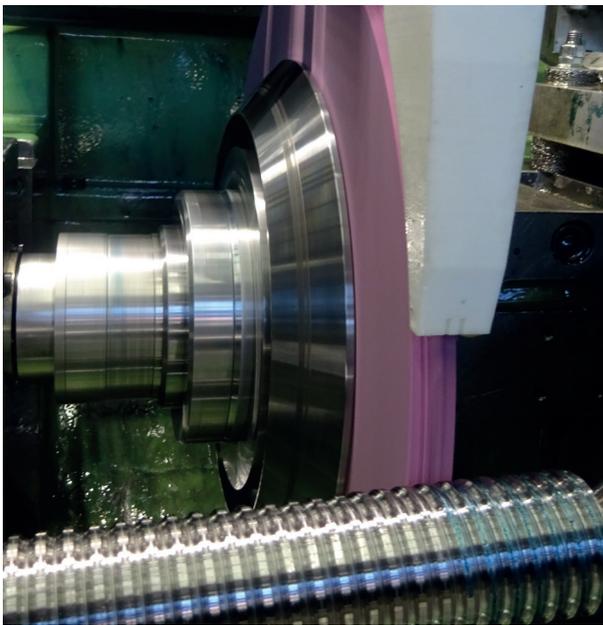


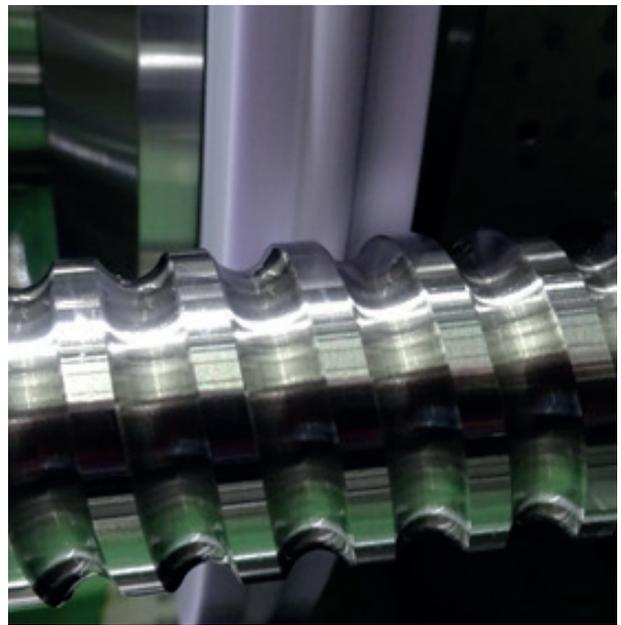
# Technical Information September 2020

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## Optimized thread grinding process for Ball Screws



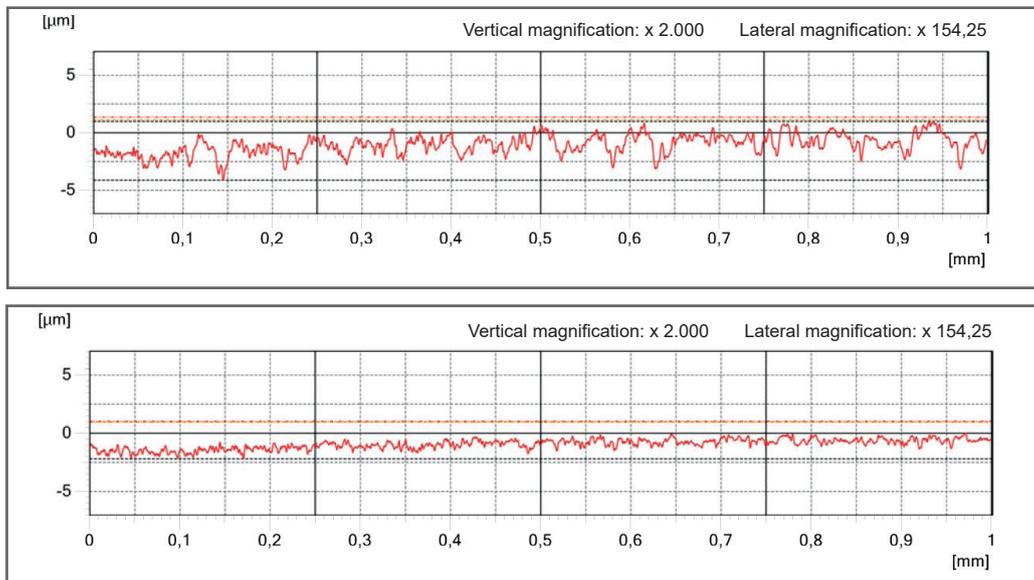
Examples of the production



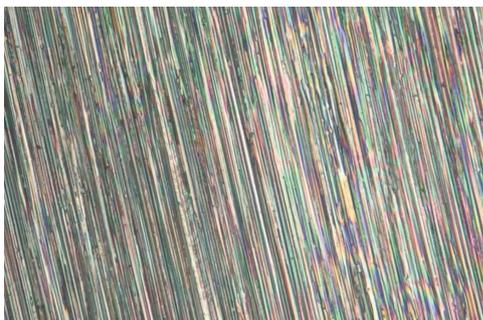
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As part of the further development and improvement of our products, a new, optimized thread grinding process will be used in our production for all ball screw shafts in the future.

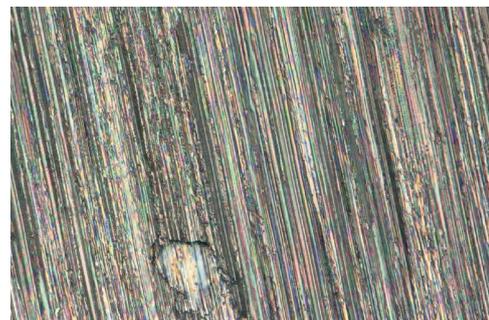
This new grinding process can be recognized by the slightly different grinding pattern of the shaft thread and by significantly better running behavior and smoother running of the nut.



The surface topography of the shaft threads could be improved by the new grinding process. Testing has shown that this new process optimizes lifetime and smoothness of running behavior of ball screws.



By optimizing the process parameters and improving the supply of cooling lubricants, a much finer surface finish can be achieved during grinding.



With conventional grinding processes, additions can weld with the workpiece material and tear out small parts of it, damaging the surface.

If the grinding process continues, even a change in the macro structure of the grinding wheel can occur.