

Volumetric compensation through interferometry improves machine performance



Volumetric compensation improves process accuracy



Reduces time taken for the verification process



Background:

BOST Machine Tools Company is based in Gipuzkoa, Spain. It designs, manufactures and installs vertical lathes for sectors with complex and high value parts. BOST's activity requires the frequent use of calibration equipment for the installation and set-up of machines.



Challenge:

BOST machine tools must exhibit very high repeatability and minimal geometric errors. These geometric errors may be due to different reasons, such as manufacturing defects or wear, and may cause the machines to be inaccurate in their positioning.



Solution:

Using the XM-60 multi-axis calibrator, BOST is now able to detect 18 geometric errors, with further errors detected using Renishaw's QC20 ballbar and the XK10 alignment laser system.



The volumetric compensation of a machine tool enables you to improve its performance by a large percentage, ensuring the optimal functioning of the whole process.

BOST Machine Tools Company (Spain)

