



TOOL WEAR COMPENSATION

STAY UP-TO-DATE WITH
PRODUCTION PROCESS CHANGES



PRODUCING ONLY PARTS WITHIN TOLERANCE.

Producing more parts with the **same number of CNC-lathes** means increasing efficiency. It means making **the most of your potential**.

Using traditional measuring tools during quality control processes may prove to be inaccurate, subjective, time consuming and perhaps not generate the level of data required. It can take over 10 minutes for a complete measurement to collect useful data to correct the process.

An **optical measuring machine** takes this to a whole new level, ensuring accurate and instant results and **digital data collection**.

The measuring machine, placed directly on the shop floor next to the CNC-lathe, collects data which can be output in a graphical PDF report and saved into a CSV file.



With the **VICIVISION Tool Wear Compensation (TWC)** function, the machine helps to correct the tool parameters, eliminating any human transcription error.

The TWC software reads the CSV files, processes them, **calculates the offsets**, then makes them available to a **PLC** via **Profinet** or **Profibus connection**, to **implement automatic compensation**.

The ultimate goal of an optical measuring machine is not only measuring, but also making sure the CNC lathe produces **all the parts within tolerance**, avoiding machine downtime and rejects.

The outcome: **increasing efficiency** with the **fastest return on investment**.

