



MEASURING CRANKSHAFTS

IN LESS THAN A MINUTE
DIRECTLY ON THE SHOP FLOOR



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When it comes to quality control of such complex parts, measuring crankshafts **can be a cumbersome and time-consuming process**, possibly requiring an **environmentally controlled room**.

VICIVISION has developed a **specific software tool** dedicated to **crankshaft measurements**, able to provide dimensional control results of the highest accuracy. VICIVISION measurement systems offer a solution for specific dimensions of the **eccentric pin**:

- **Stroke**
- **Diameter**
- **Roundness**
- **Cylindricity**
- **Run-out**
- **Timings**
- **Dynamic parallelism**
- **Radii**

The software provides export to a **DXF file of the pin radii** before the **rolling process**, allowing the operator to save it along with the part serial number.

After rolling the previously saved profile can be imported and **compared with the actual profile** in order to check the **penetration parameters**.

VICIVISION's optical measurement systems automatically collect data and produce a measurement report in under a minute.

Large volume manufacturers can **adjust production parameters** based on measurement trends. Adjusting parameters in advance means avoiding out of tolerance results and consequently **considerable reduction in rework** while increasing yield.

With its **tool wear in compensation function**, the system can communicate with the CNC to automatically correct tool parameters. Reducing inefficiencies translates into **increased productivity, yield and throughput**. This allows manufacturers the ability to run more product while increasing customer quality and satisfaction.