



Technology and Developments

# MANUAL AND MOTORIZED GEARS AND WORMS TESTERS

## MAIN FEATURE

Measurement of gears (internal / external teeth) and worms.  
Quality control according to international standards (ISO /DIN /AGMA/...)

- Measurement of composite errors ( $F''_i$ ,  $f''_i$ ,  $f_r$ ..)
- Detection of shocks on teeth
- specific algorithms for acoustic noise detection
- FFT analysis

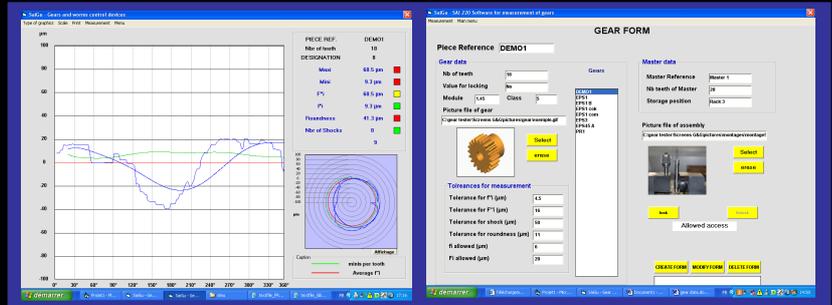


## ACCURATE QUALITY CONTROL USED BY AUTOMOTIVE INDUSTRY

Including a basis with (optional) accessories as bracket, worm support, gear supports ,...according to the type of gear/worms to measure.  
Possibility to adapt the testers for integration on production lines.

## MEASUREMENT

Made by an incremental gauge sensor from Heidenhain (precision  $\pm 0.2 \mu\text{m}$ ), coupled with a rotary encoder, to acquire the instant angle position during measurement data acquisition.



## MEASUREMENT SOFTWARE

offers the following main functions :

- Gear / worm data base (characteristics of the gears to measure, class of accuracy or tolerance allowed on each composite, ...)
- calculation of composite errors, graphics of data acquired and composite errors
- Results of measurement saved in files for traceability (EXCEL file, specific format file).