

EXPERIENCE and TECHNOLOGY

FOR GEAR QUALITY
CONTROL IN
PRODUCTION



MARPOSS



M62 OBR

MEASUREMENTS LIST: OBR, ROOT RADIUS, TIP RADIUS, RUNOUT & CONCENTRICITY

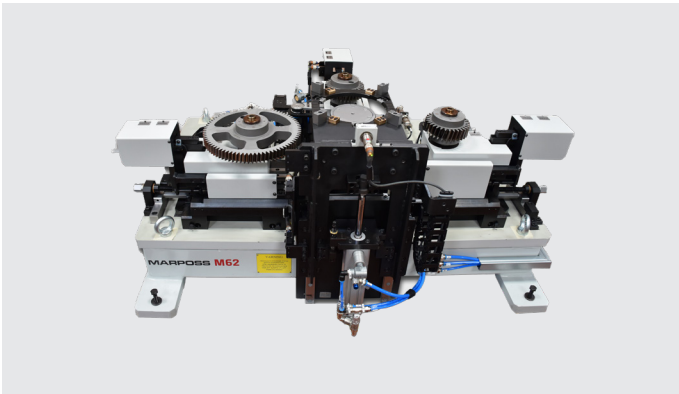
A simple, contact bench system to control gear teeth parameters with a wide range of retoolability.



M62 OBD

MEASUREMENTS LIST: OBD, ROOT DIAMETER, TIP DIAMETER

Automatic or manual bench system to control gear teeth using calibrated ball contacts or blade with defined geometry.



M62 DOUBLE FLANK

MEASUREMENTS LIST: F_i'' , f_i'' , RADIAL RUNOUT (Fr''), AVERAGE CENTER DISTANCE (Aa''), NICK & OBD*

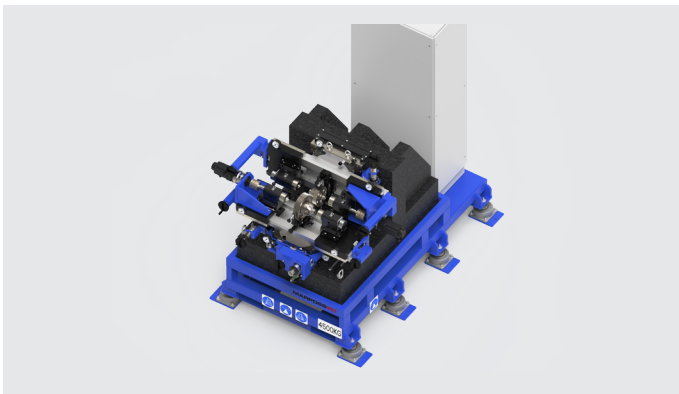
Standard or fully customized bench system for dynamic inspection of gears and shafts to check functional parameters in double flank rolling action.



M62 DF + GIMBAL

MEASUREMENTS LIST: HELIX AVERAGE ERROR & TAPER VARIATION ERROR

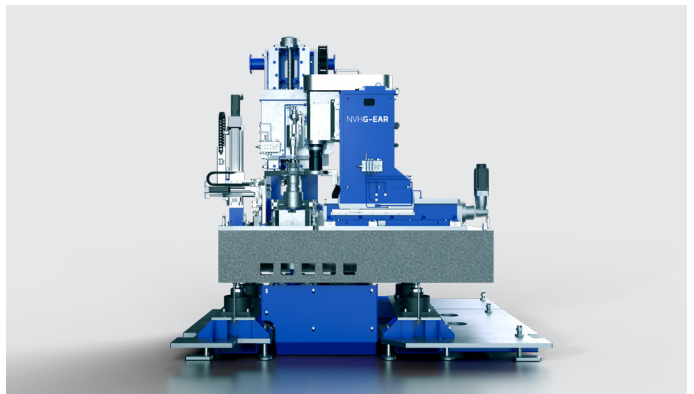
An automatic bench system for the traditional gear roller checks & the additional Lead and Tooth Taper inspection with the integration of a second rolling master mounted on a fork with a gimbal movement capabilities



M62 SINGLE FLANK

MEASUREMENTS LIST: F_{is} , f_i' , fl' , fe , BACKLASH, NICK, & FFT ANALYSIS.

Automatic or semi-automatic bench system for the Transmission Error inspection in single flank working condition, real working condition.



NVH GEAR

MEASUREMENTS LIST: SINGLE FLANK COMPOSITE VARIATION & GEAR SPECTRUM

Measuring machine with solid and robust structure, capable to test gears under high speed and torque conditions. The Noise Vibration Harshness analysis investigates the vibro-acoustical behavior of a single gear component