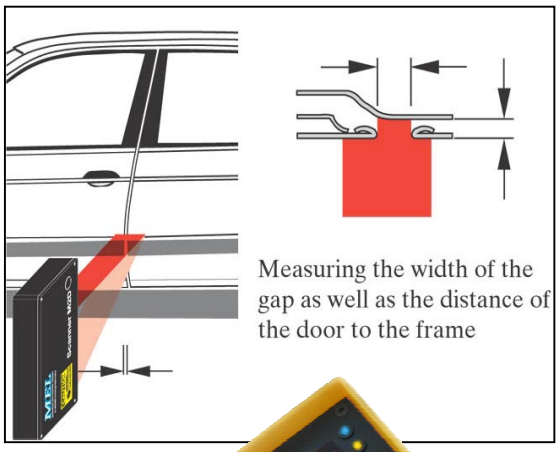
Mobile Laser-GapScan



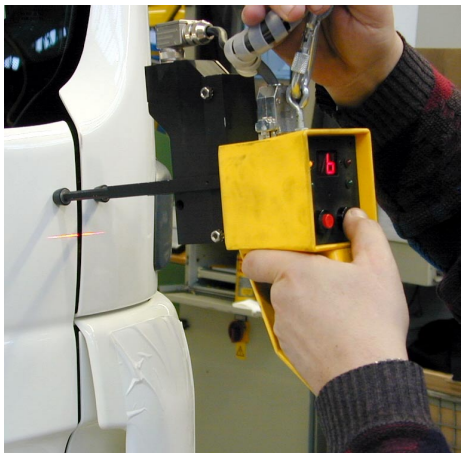
MELs new mobile GapScan-Unit, based on M2D-75/30 LaserScanner measures gaps in automotive production touchless and fast with laser precision.

The MEL M2D LaserSanner measure online :

Gap width	**inner and outer edges**
Surface	**left and right heigth**
evenness	**corner radius**
gap depth	**gap profile**

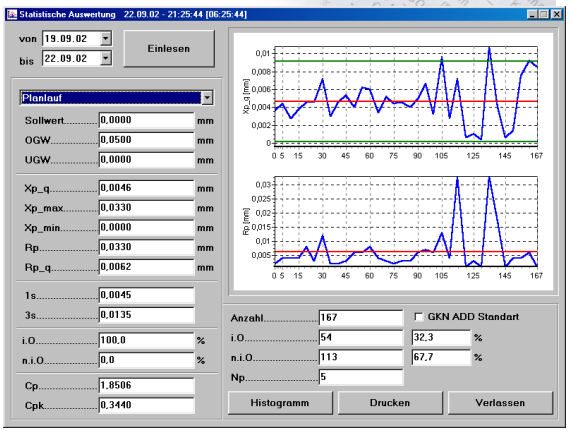
The MEL M2D-LaserScanner measures gap width, height, heigth- differences on both sides of the gap and gap profile inside the gap “in one shot”. The measurement is made in less than 1 second. Results are available immediately on-screen, in form of OK and Not-OK signalisation and as well as printed protocol and database entry.

For statistics, a separate software module can be combined with the MEL-GAP-software routine. Tolerances can be read in from the factory master databases or teached manually, with interactive support through the MEL-system. Tool-verification and calibration process is done automatically, using a dedicated calibration fixture while using the “teach” routine.



The M2D-75/30-LaserScanners have a range of 30 mm in x-axis, scann frequency is 50 Hz. The z-axis range is 75 mm, standoff distance is 90 mm. This allows to measure at at a distance, rubber feet protect the fresh paint car against damage.

The “object” must be in the measurement range for the MEL M2D-LaserScanner to make a measurement. Precise positio-ning is not required. Car gaps were measured in the production line, while the cars move forward. Vibrations do not make impact on the results.



The system can be teached to: radius, angle, distance. Absolute and relative values can be measured.

The cars come in up to 1.000 different colors: black, metallic, white, red, green, blue. The MEL M2D laser measures all colors with the same steady results.

For more information call: