INTERIM CHECK for CMMs
Use regular health checks to measure your parts with confidence

www.hexagonmetrology.com
INTERIM CHECK for CMMs with PC-DMIS

Are you confident in the measurement results from your CMM?
The new INTERIM CHECK package from Hexagon Metrology is designed to give the user regular feedback on the current machine accuracy in-between the normal verification and calibration visits:

- The ISO 10360 standard strongly recommends a regular check of the accuracy of the measuring machine during the interval between calibrations.
- INTERIM CHECK performs a verification on the repeatability of the measuring machine in relation to the measurements taken after the last calibration of the system.
- INTERIM CHECK is the program officially recognized by Hexagon Metrology for the in-between validation of bridge CMMs with the PC-DMIS measuring software.
- The report generated by INTERIM CHECK may be combined with the measured workpiece report as a proof of the reliability of measurement results.
- The report generated by INTERIM CHECK may also be used to request quick technical assistance, avoiding time consuming checking of the customer’s application.
- The verification data is stored in the internal INTERIM CHECK database every time the INTERIM CHECK application is executed.
- The data stored in the database ensures traceability of the measuring machine accuracy over time. If repeatability is verified regularly, your measurement results can hardly be disputed.
- If involved in a collision or in case of an event that may raise doubts about your machine accuracy, INTERIM CHECK gives you an immediate feedback on the steps to be taken.

The INTERIM CHECK kit consists of Hardware and Software tools

The INTERIM CHECK Ball Bar:

- This tool consists of a swiveling support and a bar (Ball Bar) with two end spheres which have calibrated diameters.
- This Ball Bar distance is measured on the CMM just after the Calibration using the INTERIM CHECK software, which records the results for use later.
- Once the Distance value has been measured it may be used as a reference to verify the machine repeatability in the period before the next machine calibration.
- The Ball Bar can be supplied with an optional SIT* certificate

The INTERIM CHECK Software Application:

- The INTERIM CHECK Software Application is a program which allows the easy measurement of Ball Bars, the calculation of results and the generation of user friendly results.
- INTERIM CHECK uses PC-DMIS to measure the distance between two spheres, this measurement is possible with the ball bar in any orientation.
- The user defines a few parameters, manually measures the position of the spheres and then the INTERIM CHECK program takes over.
- Data is stored each time the INTERIM CHECK application is used for easy comparison over time.
- The reports generated offer guidance to the user if results are not within specification.

For more information about INTERIM CHECK please contact your local Hexagon Metrology supplier

* SIT is one of the signatories of the Mutual Recognition Agreement EA-MLA and ILAC-MRA for the calibration certificates.