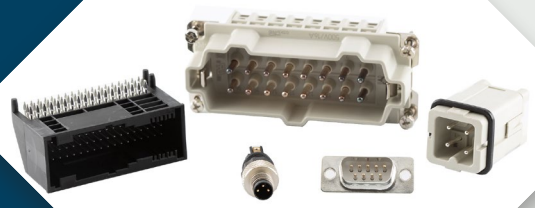
C260

Connector
Inspection



imess
Optische Mess- und Prüfanlagen

C260 Connector Inspection



The production of connectors is subject to strict demands regarding their geometry especially the pins. Therefore, it is necessary to check the connectors from both sides 100% inline. The system imess **C260** works with a Laser Profile Sensor reproducibly and sufficiently for the measurement system analysis.

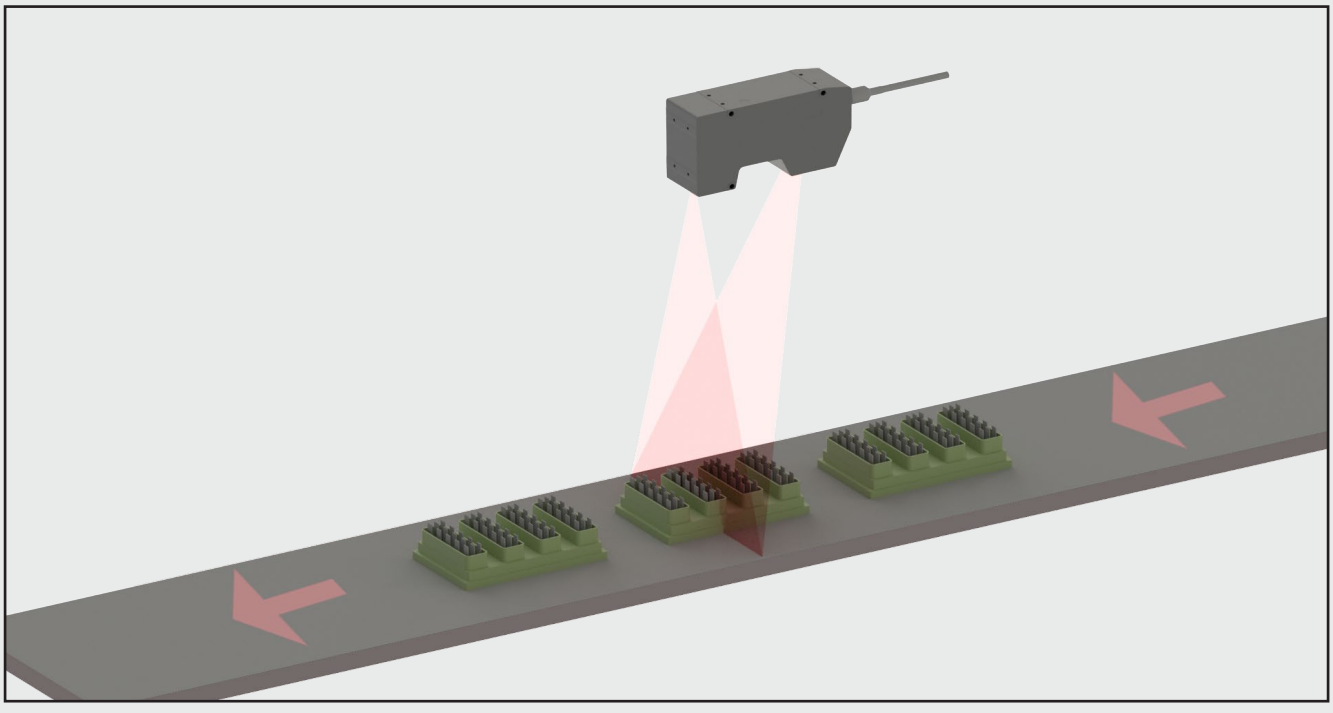
Take a look:
www.imess.com/vertrieb/C260.mp4

Characteristics

Characteristics
Swash circumference (top of pin)
Coplanarity / Flatness of pins
Pin length
further characteristics on demand

The inspection module **C260** consists of the laser profile sensor and the imess vision software both integrated inline. The connector is scanned with speed up to 60 mm per second. The collected data is evaluated both numerically and graphically regarding the characteristics. The operator sees the tolerance exceedances easily with significant OK/NOK depiction.

Accuracy
imess **C260** works with a capability index cg > 1,33 sufficiently for measurement analysis even for smallest tolerances.



Test setup

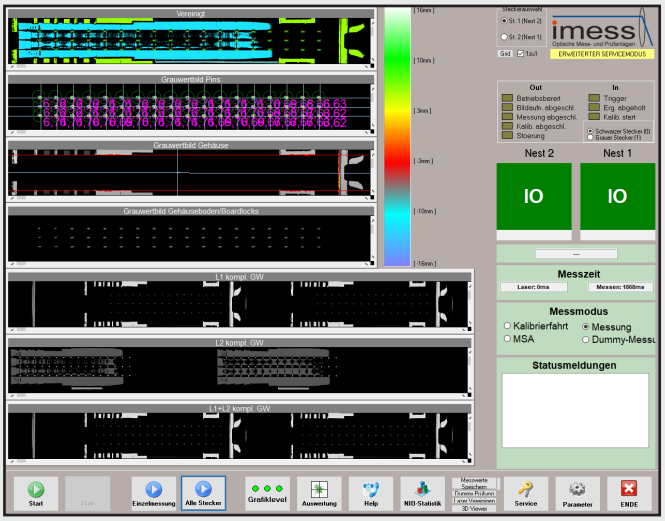
©imess - www.imess.com

sufficient for MSA

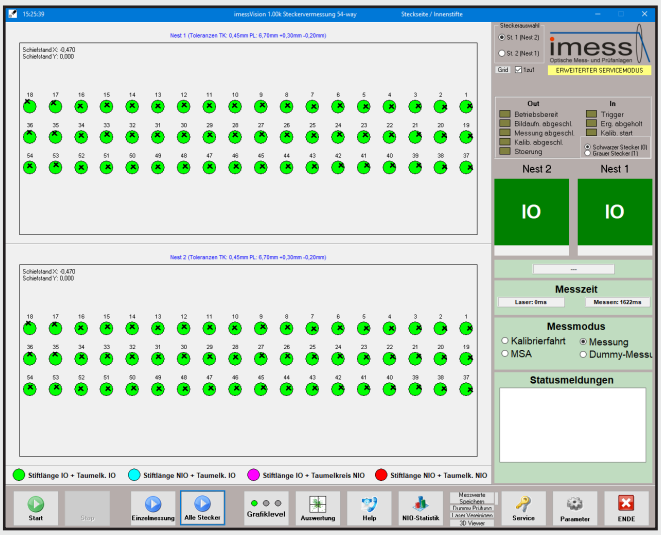
The imess **C260** is the sufficient measurement system for the certified process operation with an accuracy of factor 10 better than the product tolerance itself. The certified calibration item serves as proof.

traceable

All measurement values can be stored within the system and can be assigned to each single connector to prove the quality easily.
The results are documented continuously and saved in an Excel compatible format.



Software surface (expert view)



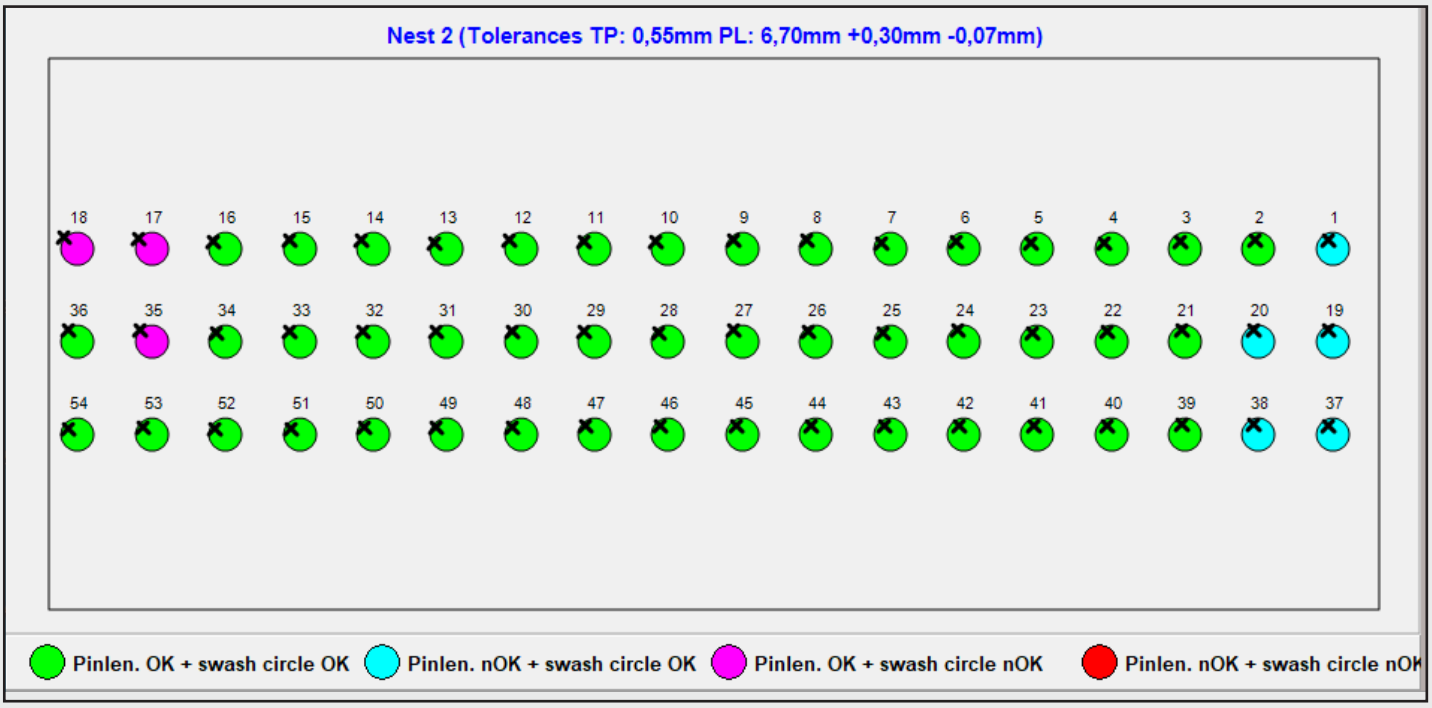
Software surface (operator view)

operator independent

The optical measurement of the connector offers several advantages. A substantial argument is the operator independence. The measurement of the connectors is done objectively in the production line 100%. The risk of subjective impression is eliminated.

interface compatible

The imess measurement module is connected to the customer PLC by selectable interfaces. Moreover, the measurement values can be handed over to CAQ systems (SAP, databases or similar).



Detail shot for evaluation with easily usable surface



Patrick Telders | imess Optische Mess- und Prüfanlagen GmbH | Stockumer Straße 28 | 58453 Witten | Germany

Internet: www.imess.com
Phone: +49 2302 96888-12
eMail: Patrick.Telders@imess.com

C260-2E-0420