Brand new technology

CWS 640
CWS 640
A robust laser system for process inline measurement of surface quality parameters in the nanometer range.
CWS 640 consists of:
• CWS optical head
• CWS power unit with uninterrupted power supply
• CWS software for analyze and visualization

SURFACE QUALITY DETECTION FOR EVERY PROCESS

GRINDING POLISHING FINE MACHINING

• BRING THE MEASUREMENT INTO PRODUCTION
  Qisab CWS 640 allows measurement of surface parameters within the industrial process.
• BEYOND THE HUMAN EYE
  Replaces manual inspection.
• SURFACE QUALITY DETECTION FOR BETTER PROCESS CONTROL
  With CWS 640 you will achieve enhanced tool maintenance and replacement scheduling.

The QISAB technology is specifically developed to make qualitative statistical surface measurements in industrial process environment.

MARKET SEGMENTS
Wherever objective measurement and control of surface quality are required in your business.

• MEASUREMENT AREA ≥ 4x4 mm
• MEASURING TIME 1 ms
• ANALYSIS TIME ≤ 0.2 sec
• REQUIRED POSITIONING ACC. < 1 mm (+/- 0.5 mm)
• WORKING DISTANCE 75 mm

AEROSPACE  DIE & MOULD  STEEL & ALUMINIUM

AUTOMOTIVE  MEDICAL  OPTICS/GLASS

www.qisab.com
APPLICATIONS & BENEFITS
WITH AUTOMATED INLINE METROLOGY INSPECTION

CWS APPLICATIONS AND SIGNIFICANCES

• Suitable for automated inline processes
• Robust system, therefore suitable for automated inline metrology inspection
• Fast inline surface measurements of:
  - Roughness
  - Surface errors
  - Assymetry and assymetry angle
  - Structure and structure angle
  - Gloss
• Easy to determine and follow up surface quality
• Non-contact measurement
• Areal surface meaurment
• Independent on surface texture orientation
• Replaces manual inspections

CWS BENEFITS AND ADDED VALUES

• Objective measurements
• Shorter process time
• Possibility for process optimizations
• Automating of previous manual process
• Inline surface process control
• Less scrap by faster inline surface quality inspection
• Enhanced tool maintenance and replacement scheduling

HQ Office address
QSO Interferometer Systems AB
Montörgatan 7
SE 302 62 Halmstad
Sweden
www.qisab.com

Sweden
+46 35 299 54 00
info@qisab.com

France
+33 97 518 9867
patrice.belin@qisab.com

Germany
+49 7361 5561495
marco.speich@qisab.com