OPTOCONTROL INDUSTRIAL

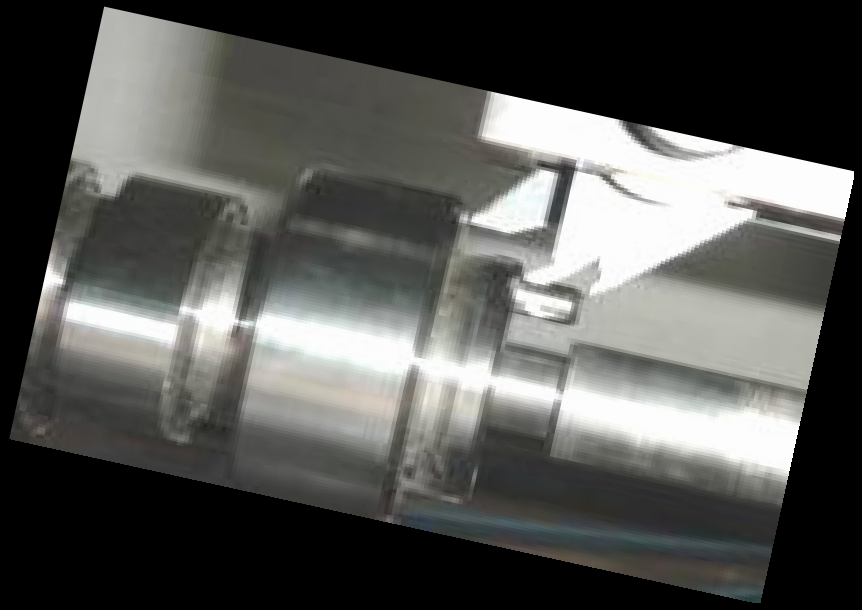
OTTAT®

THREADCONTROL

THREAD ANALYZERS

OPTOCONTROL INDUSTRIAL

Non -touch and Contact Solutions



OPTOCONTROL INDUSTRIAL
PATENTED THREAD ANALYZERS

OTTAT®

THREADCONTROL

OPTICAL THEORY FOR
THREAD ANALYSIS TECHNOLOGY

WE INSPECT AND ANALYZE EACH THREAD CONDITION IN PRODUCTION LINES OR LAB ENVIRONMENTS

UNIQUE IN THE WORLD

OPTOCONTROL INDUSTRIAL

DEVELOPED AND PATENTED THE MOST ACCURATE

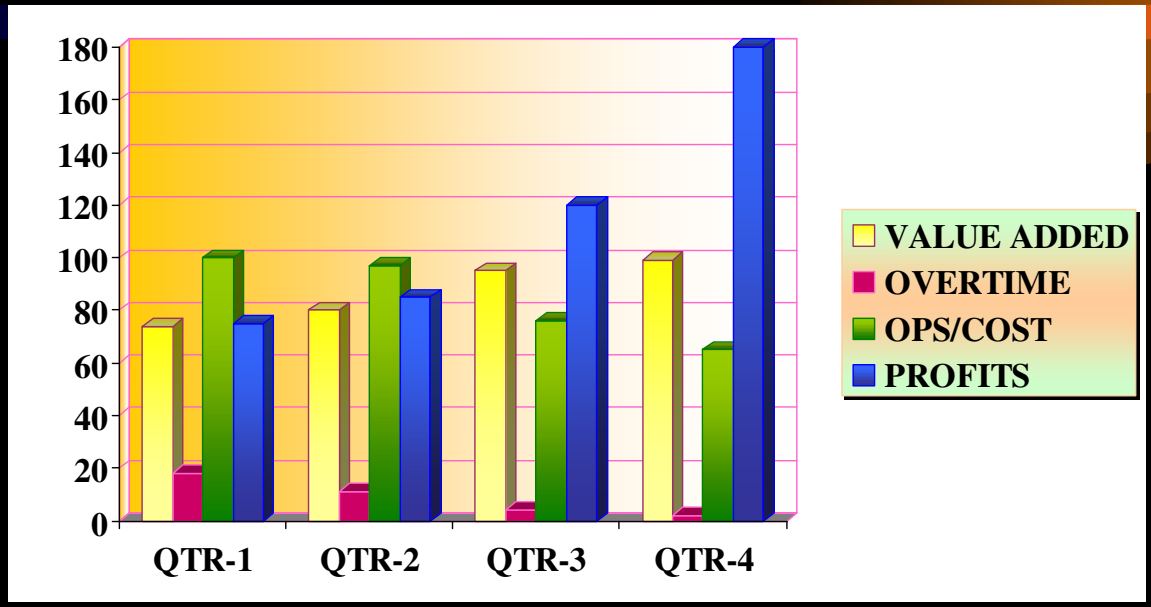
NON TOUCH OPTICAL THREAD ANALYZER

"ELECTRONIC EYE"

BETTER THAN EDI CURRENT SYSTEMS

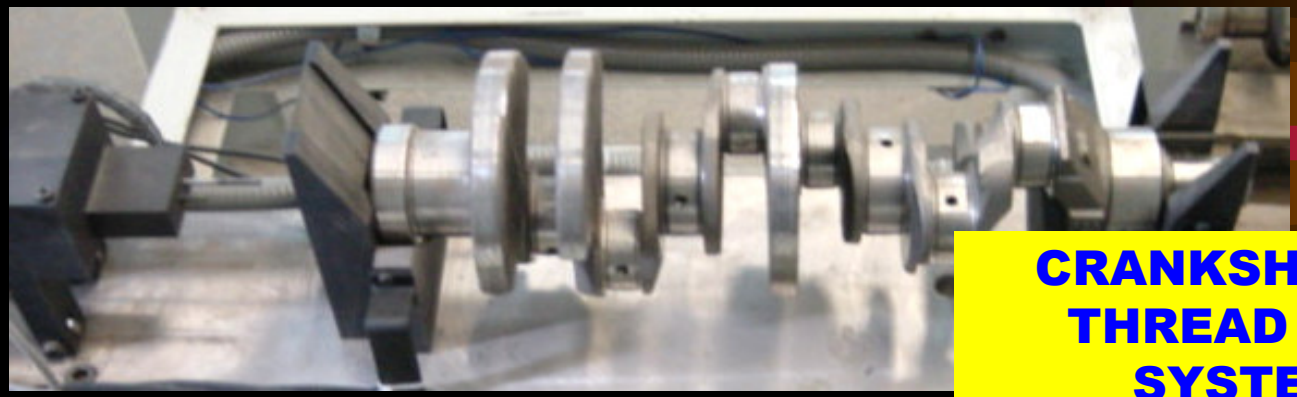
- "NON DESTRUCTIVE INSPECTION"
  - "NON TOUCH – NO DAMAGE TO THREAD DURING INSPECTION"
    - "WET or DRY CONDITIONS"
    - "FOR CONDUCTIVE OR NON CONDUCTIVE MATERIALS LIKE:
- PLASTICS, WOOD, PAPER, CARBON FIBERS, RUBBER, GLASS, ETC.

PRODUCTION OPTIMIZATION BENEFITS



ANALYZES 5 TO 20 TIMES FASTER
THAN ANY OTHER METHOD

MULTIPLE HOLE ANALYZERS



CRANKSHAFT MULTI-THREAD ANALYSIS SYSTEM WITH ROTATIONAL PROBES

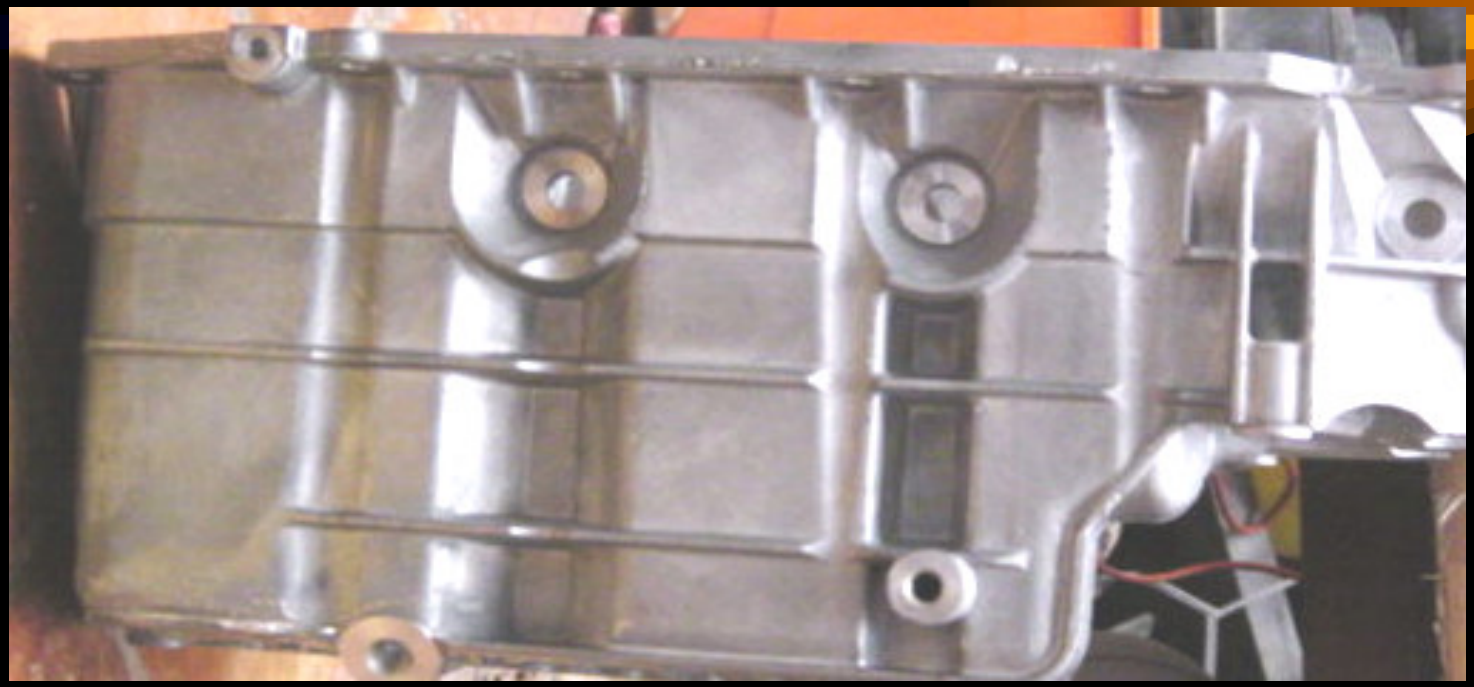
CRANKSHAFT WITH 7 THREADED HOLES

THREAD PRESENCE AND THREAD COUNT

4 THREADS INSPECTION IN:

13 SECONDS CYCLE TIME WITH ONE HEADER

ANY MATERIAL



ALUMINUM ENGINE OIL PAN
THREAD ANALYSIS
CAPABILITIES

MULTIPLE CHARACTERISTICS INSPECTION GAGES

CAM SHAFT

1 MICROMETER ACCURACY INSPECTION GAUGE PLUS OPTICAL THREAD ANAYSIS MULTI-PRECISION GAGE

COST OF POOR QUALITY REDUCTION

HIGH VOLUME PRODUCTION OR LAB APPLICATIONS

AVOID HUMAN ERROR

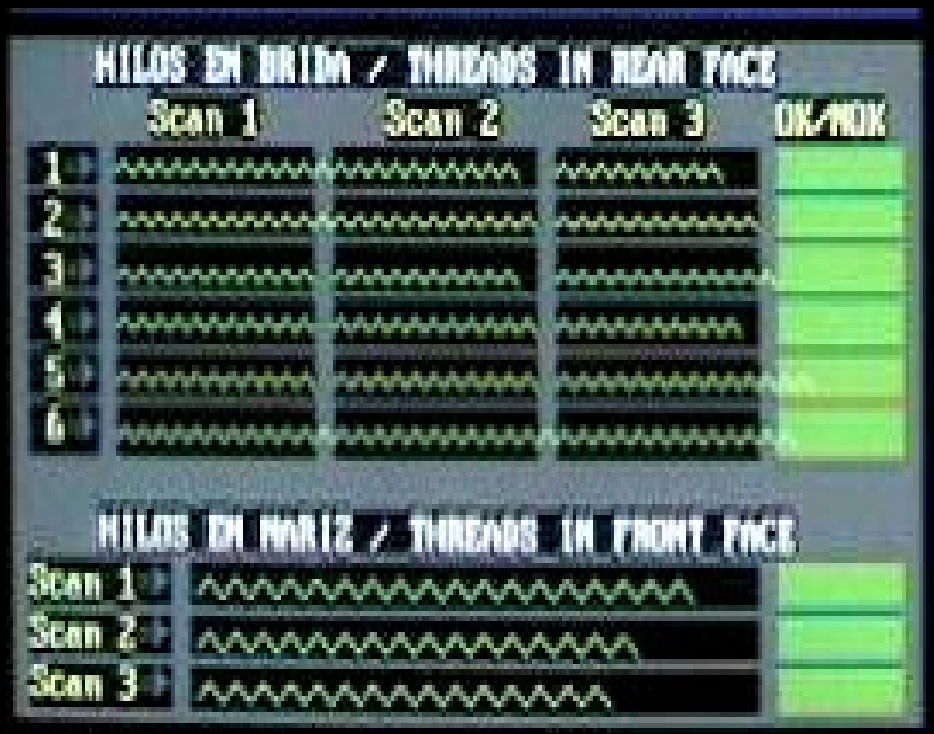
REAL TIME MONITORING REDUCING OR ELIMINATING: COST OF POOR QUALITY

REJECTED THREAD SHOWN HOLE 189

SYSTEM FEATURES

- NON CONTACT PROBES
- CAPABILITY TO SEE INITIAL CHAMFER, THREAD AND HOLE END SHAPE
- HOLE DEPTH & DIAMETER
- ANGLE MEASUREMENT
- STANDARD, METRIC OR CUSTOMIZED THREADS
- CHECKS INTERNAL OR EXTERNAL THREADS
- INTERCHANGEABLE PROBES
- COUNTS THREADS
- DETECTS ON ANY MATERIAL
- CAPABILITY TO INTERFACE WITH ANY STANDARD CONTROLLER

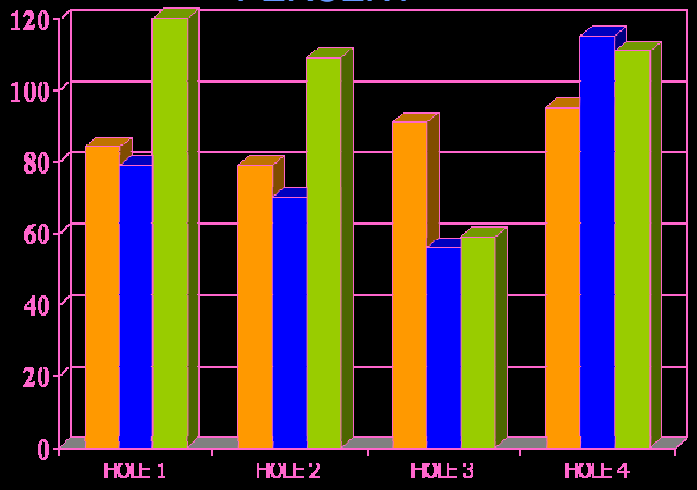
CUSTOMIZED ANALYZER SOFTWARE



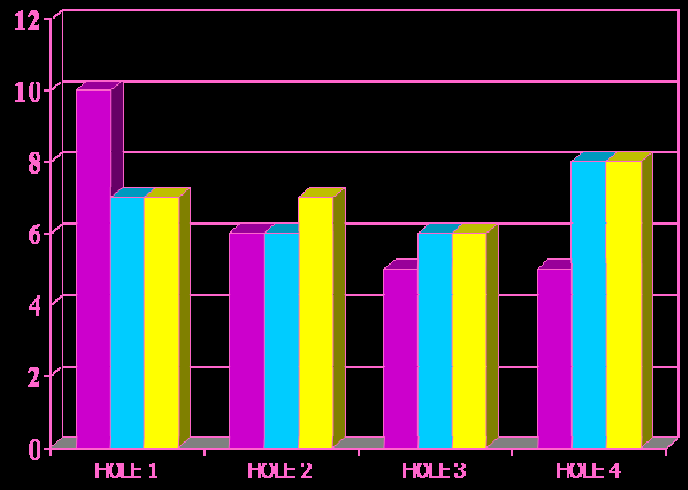
- FRIENDLY SCREEN
- REPROGRAMABLE SCANNING
- DOUBLE CHECK OPTION
- AUTO DIAGNOSTIC

THREAD CHARACTERISTICS

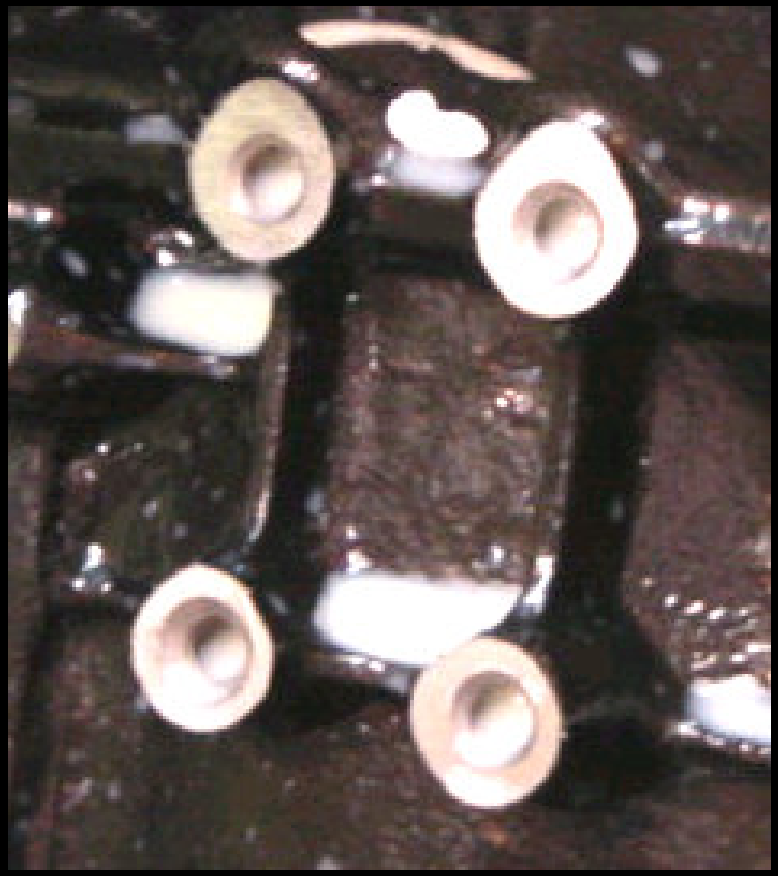
THREAD PERCENT



DISTANCE BETWEEN THREADS



IS COOLANT AN ISSUE ?

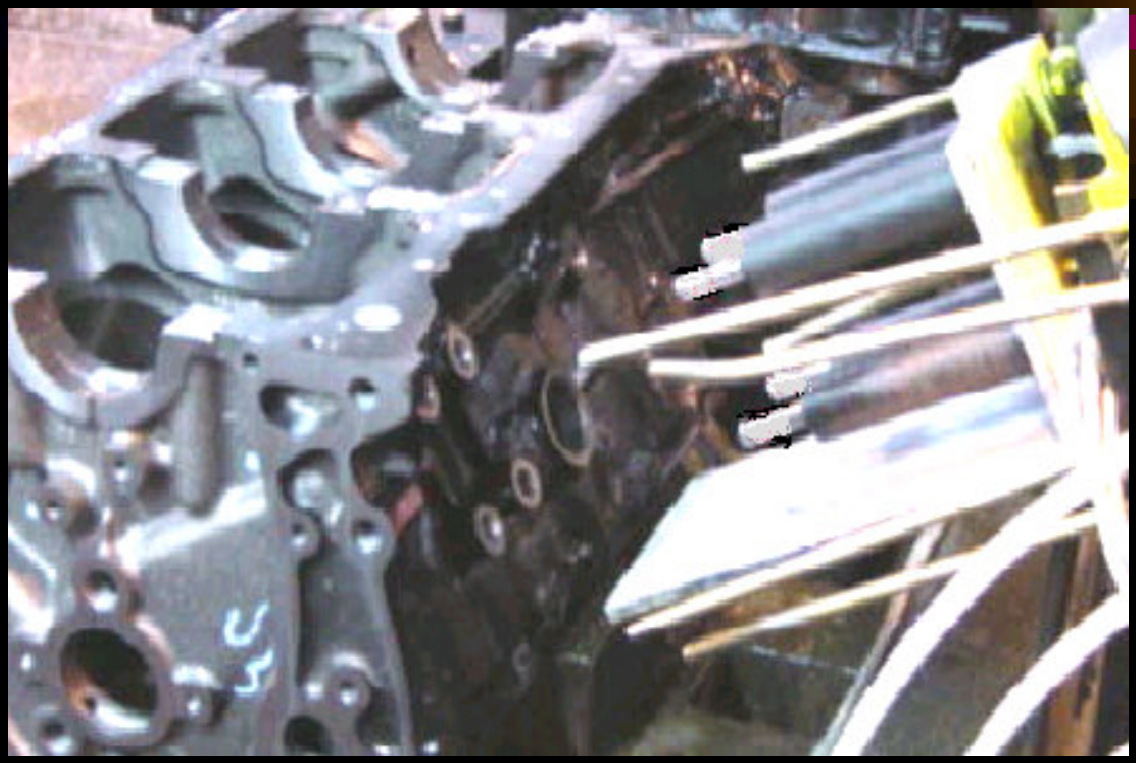


- OUR ***OTTAT*** SYSTEM CAN READ UNDER WET CONDITIONS

OTTAT PROBE SLIDE INCLUDING CUSTOMIZED DESIGN

- OTTAT POWERED SLIDE FOR PROBES SENSING INTO THE HOLES
- THE OTTAT MACHINE CYCLE TIME IS ADJUSTED ACCORDING TO THE AMOUNT OF HOLES TO INSPECT AND TO THE CUSTOMER REQUIREMENTS
- CONFIRMATION CYCLE CAN BE PROGRAMMED TO CHECK REJECTS AS NEEDED

DESIGN FLEXIBILITY



GENERAL MOTORS 3.1 AND 3.5 LTR ENGINE BLOCK THREAD ANALYZER

- QUICK CHANGE DESIGN DEVELOP MENTS FOR SIMILAR PARTS

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